The Human and Responsible light

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A

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Every Artemide product range has a QR-Code that can be used to check the latest updates related to technical data, energy data and light values.

This is how Artemide guarantees a continuous adaptation to LED technological innovations.

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Artemide Dictionary of Light

A

Accuracy (of measurement)
Approximate agreement between the result of a measurement and the actual value of the item being measured. It is a qualitative term: the term "precision" should not be used as a synonym.

Active cooling
System composed of one or more radiators made of a conductive materials, plus a fan or another element conveying air on the radiator.

Adjustable dowsers
Adjustable, removable partitions applied on a projector, able to screen its light as required.

Ampere (A)
The SI base unit used to measure the intensity of electric current.

Angle of inclination
Angle of inclination calculated upward from the horizontal of a lighting fixture.

Anti-dazzle grid
Element usually with square or hexagonal grid (other geometric shapes could be applied) able to cut unrequired, dazzling light rays that can cause glare. Its finish is usually black or aluminium. The shaped section allows the reflected light to be deviated towards specific angles, so that the dazzle effect is removed.

Asymmetric lens shield tube
Accessory located in front of a projector, able to cut unrequired, dazzling light rays that can cause glare.

Axial intensity
Lighting intensity emitted by any lighting device on its own main axis.

B

Backup Lighting
Part of the emergency lighting provided to ensure that an exit can be identified efficiently and used if the normal lighting system does not work.

Beam
in a projector, or in a rotosymmetrical / X-Y type device, it is double the angle made by the direction of the axial luminous intensity and the direction where intensity is ½ of the axial.

BIN
A term used in the LED industry to define selections of: Colour (the BIN defines a variable area of the chromaticity diagram). Luminous Flux (the BIN defines the amount of luminous flux emitted). Vf (the BIN specifies the maximum and minimum values of the voltage drop applied across the LED terminals).

Black body
It is an ideal object absorbing all incident electromagnetic radiations. Being black, it is neither reflecting nor transmitting any energy. The black body produces electromagnetic radiation as a consequence of its temperature.

C

Candela
SI unit of luminous intensity: the candela (cd) is the luminous intensity, in a given direction, of a light source that emits monochromatic radiation at a frequency of 540 THz and whose energy intensity in that direction is equal to 1/683 W per steradian.

Candela per square metre (m-2)
SI unit of luminance.

Catadiottric optic
Optical system usually mixed (refractive + reflective) on which reflection takes place, both because of the TIR principle and because of the use of mirrors.

CCT
Acronym of Correlated Color Temperature. It is expressed by the colour temperature in Kelvin degrees of a specific colour while in proximity of the black body curve in the different cromatic diagrams.

Cd/klm
Measurement unit of the luminous intensity. It is expressed in candles and is referred to the luminous flux installed, expressed in Kilo lumens.

Chromatic Rendering Index
Index evaluated by the ability to render a series of 14 colours, chosen using Munsell chromatic system, compared to a reference source depending on the colour temperature. If the colour temperature is below 5,000K, the reference source is the black body spectrum with the same colour temperature. If the CRI is higher, then the chosen reference source is a series D illuminant with colour temperature similar to the one of the source chosen.

Chromaticity diagram
Plane diagram in which the points, defined by the respective trichromatic coordinates, represent the chromaticity of colour stimuli.

Cold white
White colour of a light source with colour temperature greater than 5000 Kelvin.

Collimation lens
A lens directing the light rays incident on itself to the parallel optical axis of the lens itself.

Color temperature
It is the temperature of the black body producing a spectral emission with chromatic features similar to the source itself. The colours emitted by heating the black body are, starting from the lowest temperatures, red (up to 1,800K), orange (between 1,800 and 2,200K), warm white (between 2,200 and 3,500K), neutral white (between 3,500 and 5,000K), cold white (from 5,000K to infinity).

Color tolerance
Color difference inside a chromatic section of a lighting source (e.g. LED), usually produced by the manufacturer and identified with an acronym.

Colourimetry
Measurement of colours, based on a set of conventions.

Connector
Connecting element between two components of a system. It can be mechanical, electrical or electronic.

Cones
Photoreceptors of the retina containing pigments that are flexible in light which are the basis of the photopic vision process.

Constant current
See also definition of 'current'. Current supplied by an electrical device that is kept at a constant level. Constant current power supplies distribute a specific current within certain tension limits. These can vary from zero to a maximum value, or from a minimum to a maximum value.

Constant tension
See also definition of 'tension'. Tension supplied by an electrical device, kept at a constant level until its maximum power level is reached.

Contrast
Subjective adjustment of the difference in appearance of two parts of a visual field (observed simultaneously or in succession).

Current
Electrical charge flux (usually negative) passing through a surface during a time unit. It is a fundamental magnitude in the International System. It is measured in Ampere.

Cut off
In a photometric solid, it is the angle or the angles in which a net distinction between light and dark can be perceived. It is calculated in respect to the main axis of the device.

D

Dali
Digital Addressable Lighting Interface. Protocol managing a system of light fittings through a signal transmitted by a single pair of wires. The DALI system can manage single or groups of light fittings included in the same system. Also, it can switch on and off and create scenaries with light fittings belonging to a same system.

Dali-SwitchDim
Compactibility of the power supply to work on a DALI protocol only or also through the SwitchDim function. In this last case, the load dimming is made through a simple push-to-make switch at the supply voltage.

Dark light
Device showing a luminance lower than 3,000 cd/m2 in every 'C' plan for 'gamma' values equals or higher than 65°. It is calculated in respect to the main axis of the device. This value was originally 1,000 cd/m2, now it is increased to 3,000 cd/m2 for most devices.

Dialux
Light design software. Used to obtain all types of lighting calculations and related documentation in accordance with the legal regulations in force in various countries, as well as visualisations and animations for a realistic rendering of a project.

Diaphragm
element modulating the amount of luminous flux passing through an optic system.
A so called 'vignetting' phenomenon takes place if openings of other elements interfear with the above.

Diffraction
Deviation of the direction of propagation of radiation, determined by its wave nature, which occurs when the waves are restricted by obstacles.

Diffused lighting
Lighting in which the light on the work surface or on an object does not come from any particular direction.

Diffuser
Optical element, transparent or opaque, able to diffuse its incident light rays in the surrounding space.

Diffusion
Phenomenon whereby the spatial distribution of a beam of radiation changes when the beam is deflected in multiple directions, by a surface or a medium, without changes of frequency in its monochromatic components.

Dimmable
Light fittings that can adjust their light intensity.

Direct glare
Glare produced by light sources in the visual field.

Direct lighting
Lighting by devices that distribute the light intensity in such a way that 90-100% of the luminous flux goes directly onto the work surface, assuming that this surface is not infinite.

Dispersion
The white light that falls on the face of a prism, is dispersed and flows out from the opposite face with the spectral components separated. This occurs because the index of refraction of a given material is a function of wavelength and therefore different colours (different wavelengths) are refracted at different angles.

DMX
DMX512, often abbreviated DMX (Digital Multi-pleX) is a communications protocol used mainly to control scene lighting [and] for control from computers or central units of complex lighting systems with moving or conventional lights. Each DMX512 cable can transmit up to 512 8-bit values between 0 and 255, so that a cable can control up to 512 separate devices. Since DMX only supports 512 channels, there may be situations where separate DMX universes are needed. A DMX universe is a single line connecting the controller and all the devices associated with that cable. Most recent DMX consoles support more than one DMX universe, each of which must be wired independently. A DMX cable is made up of at least three poles for the transmission of signals.

Downlight
Device with direct emission, generally mounted in plasterboard ceilings.
It is used in corridors (where no glare control is needed) and in workplaces (where conformity to standard UNI 12464 with regard to direct glare and glare on video terminals must be ensured). They are usually installed in the room in a regular grid so that the lights are spaced evenly at 1.8 x 1.8 metres or 2.4 x 2.4 metres.

E

Efficacy
Ratio between the luminous flux of a lighting device and its power in watts. It is expressed in lumen/W.

Efficiency
Optical output; percentage ratio between the output luminous flux of the light fitting and the flux emitted by the light source. (See LOR)

Electrical connector
An electrical connector such as an electrical component, or an area of a printed circuit board, whose function is to electrically connect two or more electrical components exclusively by means of operations of a mechanical type (therefore without requiring electric welding).

Electrified track
Power supply system with voltage or low tension. Electrical conductors are located inside the track.

Electromagnetic wave
Electromagnetic energy carrier in single packs or 'quantums' of energy, with a defined energy value. It moves in a straight line at approximate 300,000 Km/s. It has associated magnetic and electrical fields varying in time following a sine law.

Elliptical reflector
Ellipsoidal mirror (rotational or not) that, with a light source on the first focus, can replicate its image on the second focus (if rotational ellipsoid) or on a specific area of the optical axis (if non rotational ellipsoid).

Emergency lighting
Lighting intended for use when a general lighting system fails due to a power failure.

Emission angle
See Beam.

EN 12464
Standard that defines lighting technology features such as average illumination, uniformity, colour rendering and UGR for interiors. This standard also defines the maximum luminance of a device to be used in environments where there are video terminals.

F

Field of Vision
Of the eye or eyes. Angular width of the space in which an object can be when the observer looks at an object directly in front of him. The field can be monocular or binocular.

Filter
Optic element that can totally or partially select the wave lengths of a light source spectrum. In case of a total selection (net cut of the wave lengths between certain values), it is called a bandpass filter.

Flood
Term to identify a 2 ½ theta opening between 15 and 20° in a projector.

Fluorescent source
Discharge lamp of the low pressure mercury type in which most of the light is emitted by a layer of fluorescent material excited by the ultraviolet radiation of the discharge.

Fresnel lens
Element allowing construction of large optics and small focal distance without the obstruction, the thickness and the weight of the material used to produce a spheric conventional lens of equivalent diottric power. The result is obtained dividing the spheric lens into a series of concentric circular sections, called Fresnel rings. For each zone the thickness of the lens is limited, while the continuous curve is transformed into a series of surfaces of non-continuous with the same curvature.

G

General Lighting
Essentially uniform lighting of an area or a volume that does not take into account specific local needs.

Glare
Visual condition in which there is discomfort or reduction of vision, caused by an unsuitable distribution or degree of brightness or too much contrast in space and time.

Goniophotometer
Instrument for the measurement of photometric magnitudes, for measuring the angular distribution of a magnitude of brightness emitted by a light source, a lighting fixture, a medium or a surface.

Artemide Dictionary of Light

H

Halogen source
Lamp containing a tungsten filament and a small amount of one or more halogen gases for the purposes of cyclic regeneration of the filament.

Hybrid optic
Optical system in which both mirrors and lenses are used. More generally, both reflective and refractive elements are employed.

I

Illuminance uniformity factor (on a given plane)
Measurement of the variation of illuminance on the plane concerned, expressed as: ratio between the minimum and maximum illuminance; ratio between the minimum and average illuminance.

Illumination
Photometric value showing the quantity of luminous flux for surface area. Common measurement units are lux (lumen / m2) used in the international system, and foot-candle (lumen/ft2) in the United States.

Localised illumination
Illumination designed to light an area with greater brightness in specific positions, such as where a very accurate visual task is being carried ou.

Incandescent source
Lamp in which the light is produced using an element brought to incandescence by the passage of electric current, which emits radiation in the visible range.

Infrared radiation
Optical radiation having a wavelength greater than those of visible radiation.

Insulating class
homogeneous grouping defined by the IEC (International Electrotechnical Commission), indicating the technical features applicable to an electric device in order to reduce electrical hazards in case of fault. Class I electrical devices: the protection is based on the mains insulation and on a additional security measures. This is made by the connection of the conducting parts accessible to a protection conductor (protection earthing/ grounding system) falling under the fixed electrical system. Class II electrical devices: also known as double insulation devices, are manufactured so that the earthing/grounding system is not required. In this case an eventual fault cannot cause the user to come into contact with dangerous electrical tensions. Class III electrical devices: the protection against electrocution is due to the use of SELV (Safety Extra-Low Voltage) security tension. The device is operated either by a battery or by a SELV transformer.

International System of Units
Abbreviated to "SI system" or sometimes just "SI", this is the set of units of measure agreed on by all countries that have signed the Metre Convention.

IP
International Protection (or protection class IP) is a code summing up the level of protection of an electrical appliance in case of accidental or intentional contact with a human body or with objects, and also the protection against contact with water. IPXX: the first digit shows the protection against the contact with solid bodies and the contact with dangerous parts.
The second digit shows the protection against the contact with liquids.

Iso-illuminance curve, isolux curve
Locus of points belonging to a surface at which the light intensity has the same value.

K

Kelvin
The kelvin (K) is a unit of measurement of temperature that is one of the seven base units of the International System of Units.
In lighting, it is the measurement of the colour of light. See colour temperature.

L

Lambert surface
Ideal surface that reflects the energy coming from one direction equally in all directions, and thus its luminance remains the same even if the viewpoint is different. It is therefore an ideal diffusing surface.

LED
Acronym of Light Emitting Diode. The LED is an electronic device made by the union of two elements composed of semiconductor material (typically silicon). The two elements are "doped", meaning that specific materials are added to them so that one has mainly negative charges (electrons) and the other one has mainly positive charges (holes). The passage of electrical current through the "junction" of the two elements causes the electron-hole recombination to occur, and this produces the phenomenon of the spontaneous emission of light at a given wavelength.
The LED is therefore a monochromatic light emitter; white LEDs are blue LEDs which, through their radiation, excite phosphors which in turn, according to the same phenomenon of spontaneous emission, convert part of the blue radiation into others of the visible spectrum.

Lens
Optical element producing convergence or divergence of light rays on itself, thanks to refraction.

Life cycle
See Service Life.

Light
Portion of electromagnetic waves spectrum that are visible to the human eye.

Light guide
Transparent optical element transporting light by means of TIR effect, e.g. optic fibre.

LOR (Efficiency)
Acronym for Light Output Ratio.
It is a percentage value obtained by the ratio between the luminous flux of a device and the luminous flux installed.

Louvre screen
Screen whose shielding elements are lamellae made of opaque or translucent material.

Lumen
SI unit of luminous flux. The lumen (lm) is the luminous flux emitted in a unit solid angle by a uniform point source having a luminous intensity of 1 candela.

Luminaire
Generic term to indicate a lighting device.

Luminance
Photometric valuee showing the luminous power of a light source for solid angle unit and for surface unit. It is used to define how bright a surface is at a certain angle. In the International System it is measured in candles per square metre (cd/m2), in the United States in foot-lambert.

Luminous flux
Photometric value showing the amount of light emitted by a light source. It comes from the radiant flux (W) and is expressed in lumen.

Luminous intensity
photometric value expressing the lighting power of a source for solid angle unit. It is an essential value in the International System; it is used to define how bright a specific point is at a certain angle. It is measured in candles (cd).

Lux (lx)
SI unit of illuminance. Illumination produced on a surface with an area of 1 square metre by a luminous flux of 1 lumen uniformly distributed on this surface.

LV (Low Voltage)
Components (electrified plates, optional extensions, cables and feeding kits) with 3-wire cables (+, -, signal) and 48VDC feeding tension. Feeding unit and control interfaces are needed in addition. Generally used for RGB LEDs, with the exception of Stand Alone versions.

M

MacAdam Ellipse
In CIE chromatic diagrams, these are elliptical areas defining the ability of the human eye in perceiving colour differences from the centre of the elliptical area. E.g., a Step3 MacAdam Ellipse means that on average the human eye is able to perceive 3 different colours from the centre to the border of the ellipse.

Mean daylight factor
Ratio, expressed as a percentage, between the average illuminance of the room and the illumination under the same time conditions on an external horizontal surface that receives light from the sky.

Mesopic vision
Intermediate vision between photopic and scotopic vision.

Metal Halide
A light source that produces light, directly or indirectly, by an electric discharge through a gas, a vapour metal or by a mix of different gases or vapours.

Minimum/average illuminance
In a illumination (lux) or luminance (cd/m2) map, it is the ratio between the lower and the average value observed.

Monochromatic radiation
Radiation characterised by a single wavelength. By extension, radiation characterised by a light waveband so limited that it can be defined by the indication of a single wavelength.

Monochromatism
Electromagnetic radiation in which the energy is concentrated in a single wavelength. Strictly speaking, monochromatic spectra are only emitted by lasers, but in reality those emitted by LEDs are also defined as monochromatic radiations, even if they are not exactly so.

Multi lens optic
Optical system made of more lenses, used to make very precise projections. MV (Medium Voltage): components (electrified plates, optional extensions, cables and feeding kits) with 7-wire cables (Neutral, Direct Line, Indirect Line, Auxiliary Line, Earth, DALI1 and DALI2) and 230 VAC feeding tension. If dimming is required, an external DALI circuit complete with DALI power supply, group controller and scene controller is needed. Used for feeding and dimming fluorescent lamps, white LEDs, spot groups and RGB Stand Alone LED versions.

MV (Medium Voltage)
Components (electrified plates, optional extensions, cables and feeding kits) with 7-wire cables (Neutral, Direct Line, Indirect Line, Auxiliary Line, Earth, DALI1 and DALI2) and 230 VAC feeding tension. If dimming is required, an external DALI circuit complete with DALI power supply, group controller and scene controller is needed. Used for feeding and dimming fluorescent lamps, white LEDs, spot groups and RGB Stand Alone LED versions.

MWL (My White Light)
See Tunable White.

N

Neutral white
White colour of a light source with a colour temperature between 3500 and 5000 Kelvin.

O

Ohm's Law
In physics, Ohm's Law, whose name comes from the German physicist Georg Simon Ohm, expresses the constitutive law of proportionality between the electric potential difference across a conductor and the intensity of the electric current passing through it. The constant of proportionality is the electrical resistance. Denoting the electric potential difference at the terminals of an electrical conductor with V, and the electric current passing through it with I, Ohm's law states that V = R.I, where R is the electrical resistance characteristic of the conductor. It is a constant, regardless of the value of the current. The current comprises an ordered movement of electrons, driven by an electric field, which have kinetic energy. The work done on them by the field in the unit of time is given by the power. When the flow of charges passes through a resistor, part or all of the kinetic energy of the charges is transferred to the material. This phenomenon is called the Joule effect, and the power transferred to the material is given by: P (W) = V (v) . I (A)

Optics
Part of physics that studies the phenomena connected with the emission, propagation and detection of light.

Optical radiation
Electromagnetic radiation having a wavelength between the X-ray transition region (≈≅1 mm) and the radio waves transition region (≈≅1 mm).

P

Passive cooling
System composed of one or more radiators making sure that a light source (usually LED) is working at an adequate temperature. This system is based entirely on the shape and mass of the radiators.

Photon
From the Greek "Phos, photos" which means light, the photon or quantum of light is the elementary particle of energy making up electromagnetic radiation.

Photometric solid
Spatial representation of the light intensity radiated by any lighting body

Photometry
from greek FOTOS (light) and METRIA (measurement). Branch of physics studying the measurement of photometric values. These are related to the portion of electromagnetic waves spectrum that are visible to the human eye. Photometric values are obtained by radiometric valuess through integration of the radiometric spectrum, calculated on the photopic V curve (lambda) multiplied by 683.

Photopic vision
Vision that occurs when the eye adapts to luminance levels greater than 3-4 candelas per square metre. The cones are considered the main active elements of vision in these conditions.

Planck's law
Planck's law is a law of physics devised by German physicist Max Planck, stating that the energy associated with electromagnetic radiation is transmitted in indivisible packets called quanta, each of which is associated with a single photon.

PMMA
Acronym for Poly Methyl MethAcrylate, a plastic material with transparency and appearance very similar to those of glass; it was initially marketed by German company Rohm under the trade name "Plexiglas". It is widely used in the automotive sector (rear lamp covers of cars and motorcycles) and in lighting.

Polycarbonate
Plastic material with excellent properties of mechanical resistance, especially to bending. It is used instead of glass or PMMA, where good impact resistance and good flexibility are required. It is sensitive to ultraviolet light, which is why it is often treated with paint that can filter the rays.

Power
The power is defined as the work (W) performed in a unit of time (t). According to the principle of equality between work and energy, power measures the amount of energy exchanged in the unit of time, in any transformation process, whether this is mechanical, electrical, thermal or chemical. Measured in watts (W).

Power supply
A power supply is an electrical device that changes the output electrical tension from AC alternate to DC continuous. The electrical power can be adapted in this way so that other electrical equipment can be used. Through a transformer, the level of output tension and current, and therefore power, are modified.

Primary optics
Elements that are first intercepted by light in an optical system.

Profile spot
projector with optic elements able to 'shape' the projection, obtaining a net distinction between light and dark in the projected light profile.

Projector
Optic device able to transfer lighting energy from a source to a projection plan. The transfer can be made replicating the image such as in cinema projectors (imaging optic) or without replicating the image such as in the illuminators (non imaging optic).

R

Radiant energy
Energy emitted, transferred or received as radiation. Measured in joules, j = W.S

Radiation
Emission or transportation of energy in the form of electromagnetic waves or particles.

Radiometry
From latin RADIUS (ray) and greek METRIA (measurement). Branch of physics studying measurement of radiometric magnitudes related to electromagnetic energy, such as radiating flux (W), radiating intensity (W*sr-1), radiation (W*m-2), radiance (W*sr-1*m-2).

Reflection
Physical phenomenon that occurs when a ray of light projects onto a mirror surface. The angle between the incident ray and the perpendicular to the incident point are equal to the angle between the reflected ray and the perpendicular to the incident point.

Reflectance
Ratio between the luminous flux reflected by a surface and the luminous flux incident on the surface.

Reflective Screen
Screen in which the shielding depends mainly on the phenomenon of refraction.

Reflector
Optic element able to reflect light. This term includes all elements treated with vacuum-sealed aluminium and producing a specular surface. It is a fact though that also all opaque elements are to some extent reflectors.

Refraction
physical phenomenon that occurs when a ray of light projects onto a border between two mediums with a different refraction index (or with two different densities). The refraction law, also known as Snell law, is defined as follows: n*sen(i) = n'*sen(i'). n and n' are refraction indexes of the first and second medium; "i" and " i ' " are the angles relative to the perpendicular of, respectively, the incident ray and the refracted ray.

Remote Control
Infrared remote control for light management.

Retrofit
Light source using an advanced technology replacing an obsolete one with the same mechanical features.

Retroreflector
Optical device designed to deflect the rays that fall on it towards the source of the light. The rays undergo two refractions and a reflection in variously shaped elements.

RGB
Acronym for RED – GREEN – BLUE, used to identify systems with multi-coloured light sources which, through additive synthesis, can create all the colours of the visible range and their possible combinations, including white.

Rods
Photoreceptors of the retina in which pigments are sensitive to scotopic vision. Rods are considered not to play any role in the discrimination of colour stimuli.

S

Security lighting
Part of the emergency lighting system designed to ensure the safety of persons.

Saturation
Attribute of a visual sensation that allows you to judge the proportion of pure chromatic colour in the total sensation.

Scotopic vision
Vision that occurs when the eye adapts to luminance levels less than a few hundredths of a candela per square metre; the rods are considered the main active components of the eye in this condition. The spectrum appears not coloured.

Screen
Part of a lighting device consisting of translucent or opaque elements, geometrically arranged in such a way as to hide the lights from the observer at certain angles.

Secondary optics
In an optical system, these are elements that are intercepted by light in the second place. LED power supplies are created especially for the piloting of LED load. There are two main groups: the constant current power supplies regulate directly the current of the LED load, while the constant tension power supplies create a continuous tension through which other devices controlling LED loads can be operated.

Sensitivity
Quotient between the response Y of a detector and its excitation X.

Service Life
Time period from the first time a light source is switched on and a specific percentage of its estimated life span (e.g. 70%). LED manufacturers estimate the life cycle through tests lasting less than its determined life span. E.g L70 (6K)>36,000 hours means that the light source will produce a luminous flux higher than 70% of its initial luminous flux after 36,000 hours. Also, this estimate was performed through a test of 6,000 hours.

Solid angle
Solid angle subtended at the centre of a sphere by a cap with an area that is numerically equal to the square of the radius. Measured in steradian, sr.

Source
Any element able to product an electromagnetic radiation.

Spectrum
Distribution of a radiometric magnitude (radiance, radiation intensity, radiating flux), as a function of radiations frequency or wave length.

Standard EN60598-1
Standard regarding electrical safety of lighting devices.

Standard IEC/EN 62471
Standard regulating photo biological perspective of the usage of LED sources.

Steradian (sr)
SI unit derived from a solid angle which, having its vertex in the centre of a sphere, cuts an area of the spherical surface equal to that of a square having the radius of the sphere as its side.

T

TCO (Total Cost Ownership)
Latest generation calculation tool used to come up with lighting and system control solutions to ensure a targeted use of energy resources, starting from regular estimates of the costs of installing and operating the equipment.

Tension
Difference between the electric potential between two points in space, caused by their electrical power.

Thermal management
Management of the thermic dissipation of a light fitting, usually LED.

Thermal radiation
Emission process in which the radiant energy has its origin in the thermal agitation of the particles making up the matter (atoms, molecules, ions).

ϑ (Theta)
Theta - In a photometric solid with rotational or X-Y symmetry, the angle between the intensity vector with half the maximum value of the solid and a second intensity vector also with half the maximum value, but whose position is a mirror image of the first vector.

ϑ/2 (Theta ½)
In a photometric solid with rotational symmetry or XY symmetry, the angle between the maximum intensity vector of the solid and a second intensity vector with half the maximum value.

2 ϑ/½ (2 Theta ½)
In a device with rotational or X-Y symmetry, twice the angle between the maximum intensity and the intensity equal to half of the maximum.

TIR lens
Optical element that, associated with an LED, works as a parabolic reflector using the total reflection principle. This happens when the light hits a border between two optical mediums, one firmer and one softer. TIR is the acronym for Total Internal Reflection.

Transformer
Electrical device used to transform input and output electrical power parameters (tension, current intensity), maintaining constant electrical power. The transformer is a device that can be operated in alternate current, thanks to the electromagnetic principles linked to variable fluxes.

Tunable white
Light source able to create different tones of white light, going from warm (2,500K) to cold white (6,500K). It can be made of white or coloured sources.
Neutral white: white light with neutral colour temperature (3,500-5,000K).
Warm white: white light with warm colour temperature (2,500-3,500K).
Cool white: white light with cold colour temperature (5,000-10,000K).

U

UGR
Unigied Glare Ratio. Parameter expressing the glare of a light fitting, through the evaluation of its luminance.

Ultraviolet radiation
Optical radiation with wavelengths shorter than those of visible radiation. In the range between 100 and 400 nm, ultraviolet radiation is generally indicated with the symbols UVA between 315 and 400 nm, UVB between 280 and 315 nm and UVC between 100 and 280 nm.

Uni EN 12464 standard
UNI standard that establishes the lighting technology parameters related to workstations. The standard defines characteristics such as: Minimum illumination, uniformity, colour rendering of sources and UGR for various workplaces. This standard also prescribes the maximum permissible luminance of a device for its use in places where there are video terminals.

V

Very Wide Flood
Term to identify a 2 ½ theta opening greater than 30° in a projector.

Visible radiation
Optical radiation that directly causes a visual sensation. Even if the range of wavelengths concerned in vision depends on the individual and on the illuminance on the retina, the lower limit is normally indicated between 360 nm and 400 nm and the upper limit between 760 nm and 830 nm.

Visual performance
Degree of effectiveness of the visual system, measured for example by the speed and accuracy with which a visual task is accomplished.

Visual task
Set of elements of the work performed.

Voltage drop
Voltage drop (Vf) is a synonym of the potential difference. More specifically if a resistor of resistance R is inserted between two points A and B of an electrical circuit and traversed by a current of intensity I, Ohm's law states that the electric potential at A is greater than at B in a quantity equal to R·i. In other words, between A and B there is a potential difference, or voltage drop, equal to $\Delta V = R \cdot I$

W

Wall washer
Luminaire designed to illuminate the walls of buildings, whether external or internal; wall washers can be with white light or RGB, they are very frequently used to create spectacular effects outside.

Warm white
White colour of a light source with a colour temperature between 2700 and 3500 Kelvin.

Wavelength (λ)
Distance between two successive points, in the direction of propagation of a periodic wave, in which the oscillation has the same phase. Measured in metres (m) and nano metres (nm).

Wide Flood
Term to identify a 2 ½ theta opening between 20 and 30° in a projector.

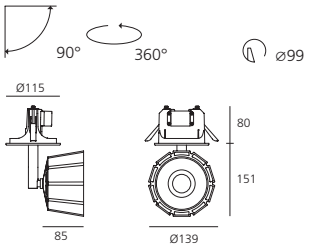
How to read the catalogue

Product table

POWER OF DEVICE	WEIGHT OF DEVICE	LUMINOUS BEAM OPENING	DEVICE LUMINOUS FLUX	LIGHT COLOR TEMPERATURE	DEVICE COLOR	PRODUCT CODE VERSION A	PRODUCT CODE VERSION B	PRODUCT PHOTO IP DEGREE OF PROTECTION APPROVALS ORIENTATION AND ROTATION VALUES SILHOUETTE

LED						non dimmable*	Dali-SwitchDim**
W	Weight	Beam	Flux	CCT	Color	Code	Code
36 W	1,30 kg	2x8°	2768 lm	3000 K	○	M141420	M141421
					●	M141410	M141411
					◑	M141480	M141481
					●	M141450	M141451
			2962 lm	4000 K	○	M141620	M141621
					●	M141610	M141611
					◑	M141680	M141681
					●	M141650	M141651
		2x18°	2452 lm	3000 K	○	M141520	M141521
					●	M141510	M141511
					◑	M141580	M141581
					●	M141550	M141551
			2623 lm	4000 K	○	M141720	M141721
					●	M141710	M141711
					◑	M141780	M141781
					●	M141750	M141751

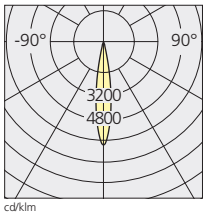
IP20 ⧈ 850°



Luminous data table

	PRODUCT NAME AND SPECIFIC SOURCE	LIGHT SOURCE DATA	LIGHT SOURCE DATA OUTPUT BY THE DEVICE	POLAR CURVE AND DEVICE W	LIGHT CONE LIGHT COLOUR TEMPERATURE AND LIGHT BEAM OPENING

Airlite 2x8°	LED		luminaire		36 W	3000 K	α=2x8°
Power	31 W	31 W	36 W	36 W			
Flux	3454 lm	3695 lm	2768 lm	2962 lm			
CCT	3000 K	4000 K	3000 K	4000 K			
CRI	=80 (min.)						
Color tolerance	MacAdam 3SDCM						
Serivce life	L70(6K)>36000h						
Beam			2x8°	2x8°			
Efficiency			80%	80%			
Efficacy	111 lm/W	119 lm/W	76 lm/W	81 lm/W			



H m	Ø m	EMax lux	EM lux
1	0,29	18063	8829
2	0,58	4516	2207
3	0,86	2007	981
4	1,15	1129	552
5	1,44	723	353

IN A SPOTLIGHT OR, MORE GENERALLY, IN A DEVICE WITH ROTATIONAL OR X-Y TYPE SYMMETRY, DOUBLE THE ANGLE BETWEEN THE DIRECTION OF AXIAL LIGHT INTENSITY AND THE DIRECTION WHERE THE INTENSITY EQUALS ½ THE AXIAL INTENSITY. THE HUMAN EYE PERCEIVES THE LIGHTING VALUES IN THIS CONE AS CONSTANTS.

LIGHTING DEVICE EFFICIENCY
RATIO BETWEEN THE INSTALLED FLOW AND THE ABSORBED POWER MEASURED AT THE PLUG (WHICH THEREFORE INCLUDES POWER SUPPLY LOSSES). MEASURED IN LM/W.

LIGHTING DEVICE EFFICACY
RATIO, EXPRESSED IN %, BETWEEN THE INSTALLED FLOW AND THE OUTPUT FLOW.

Key

Classifications

Class I
Device in which electrical safety is provided by an additional protective conductor (earth) connected to the metal frame of the lamp.

Class II
Device in which protection against electric shocks is not provided solely by the basic insulation, but which has additional safety measures such as double or reinforced insulation.
These measures do not involve earthing devices and do not depend on the installation conditions.

Class III
Device in which protection against electric shocks is based on a safety extra-low voltage power source and in which no voltages greater than this can be generated.
A class III device does not need earth protection.

Approvals

ENEC certification of European conformity.

Feeding tension

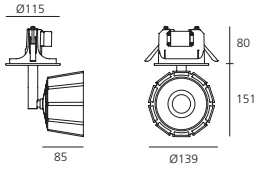
LV

Low Voltage
Components (electrified plates, optional extensions, cables and feeding kits) with 3-wire cables (+, -, signal) and 48VDC feeding tension. Feeding unit and control interfaces are needed in addition. Generally used for RGB LEDs, with the exception of Stand Alone versions.

MV

Medium Voltage
Components (electrified plates, optional extensions, cables and feeding kits) with 7-wire cables (Neutral, Direct Line, Indirect Line, Auxiliary Line, Earth, DALI 1 and DALI 2) and 230 VAC feeding tension. If dimming is required, an external DALI circuit complete with DALI power supply, group controller and scene controller is needed. Used for feeding and dimming fluorescent lamps, white LEDs, spot groups and RGB Stand Alone LED versions.

Rates



The diagrams shown in this catalogue are expressed in millimetres.

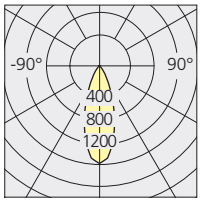
IP degree of protection

Electrical fittings are designed to prevent the intrusion and contact of solids and liquids with live parts.
Resistance to the penetration of solids and liquids is expressed by the acronym IP, followed by two digits that show the degree of protection: the first digit refers to solid bodies, the second to liquids.

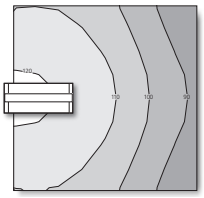
First digit
0 No protection.
1 Protected against the penetration of solid bodies larger than 50 mm.
2 Protected against the penetration of solid bodies larger than 12 mm.
3 Protected against the penetration of solid bodies larger than 2.5 mm.
4 Protected against the penetration of solid bodies larger than 1 mm.
5 Protected against dust.
6 Totally dust-tight.

Second digit
0 No protection.
1 Protected against dripping water.
2 Protected against dripping water up to 15° from the vertical.
3 Protected against rain.
4 Protected against splashing water.
5 Protected against water jets.
6 Protected against waves.
7 Water-tight on immersion.
8 Water-tight on submersion.

Photometric data



Photometric curve in polar coordinates
This represents the distribution of light intensity (expressed in candelas/1000 lumen) emitted by the device on the planes passing through the optical axis of the device. Two curves are indicated for each device, one relating to the transversal plane C0 - C180 (continuous line) and the other to the longitudinal plane C90 - C270 (dotted line).
The photometric curve defines the lighting technology properties of the device, such as luminous flux control, the type of emission and the direction of maximum intensity. These are required for verification of the illumination values during application. The photometric curves shown in this catalogue are only provided as guidelines. The Dialux calculation programme should be used for accurate photometric data.



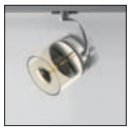
Isolux curve
This is a graphical representation of the distribution of illumination values on the horizontal plane (floor lamps). The isolux lines connect points of equal illumination values.

H m	Ø m	EMax lux	EM lux
1	0,75	2671	1110
2	1,50	668	277
3	2,26	297	123
4	3,01	167	69
5	3,76	107	44

Light cone
This indicates the maximum illumination level expressed in lux measured in horizontal portions at different heights with respect to the device. øC0 and øC90 represent the lengths of the axes of the sections. The two values will be the same when the emissions are rotationally symmetric. The angle of emission indicates the plane angle subtended by the directions in which the luminous intensity is 50% of the maximum intensity.

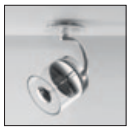
Light performance index

Projector Spotlight


128
Cata
LED **TW**

129
Cata
LED

130
Cata
LED **TW**


131
Cata
LED

146
Airlite
LED **TW**

148
Airlite
LED

152
Airlite
LED **TW**

154
Airlite
LED

170
Picto 70
LED

172
Picto 70
HIT/HALO

188
Picto 70
LED

190
Picto 70
HIT/HALO

174
Picto 100
LED

176
Picto 100
HIT/HALO

192
Picto 100
LED

194
Picto 100
HIT/HALO

178
Picto 125
LED **TW**

180
Picto 125
LED

196
Picto 125
LED **TW**

198
Picto 125
LED

182
Picto 125
HIT

184
Picto 125
HALO

200
Picto 125
HIT

202
Picto 125
HALO

210
37 Cube
LED

212
37 Cube per
Algoritmo System

230
PAD
LED

230
PAD per
Algoritmo System

232
PAD
LED

233
PAD
LED

234
PAD Square
LED

235
PAD Square per
Algoritmo System

236
PAD Square
LED

237
PAD Square
LED

Downlight fixed/adjustable

246
PAD 80
LED

248
PAD 80
LED

264
Everything M Std
LED

268
Everything M Std
LED

272
Everything M Pro
LED

274
Everything M Pro
LED

280
Luceri LED

290
Luceri Kadro LED

304
Rastaf 86 LED

306
Rastaf 86 LED

General light

156
Airlite
LED

312
Tagora 80
LED

313
Tagora 80
HIT/HALO

324
Tagora 80
LED

325
Tagora 80
HIT/HALO

338
Tagora 80
LED

339
Tagora 80
HIT/HALO

314
Tagora 270
LED

316
Tagora 270
HIT/fluo

326
Tagora 270
LED

327
Tagora 270
HIT/fluo

340
Tagora 270
LED

341
Tagora 270
HIT/fluo

318
Tagora 570
LED

319
Tagora 570
fluo

330
Tagora 570
LED

331
Tagora 570
fluo

342
Tagora 570
LED

343
Tagora 570
fluo

320
Tagora 970
LED

321
Tagora 970
fluo

332
Tagora 970
LED

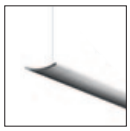
333
Tagora 970
fluo

344
Tagora 970
LED

346
Tagora 970
fluo

350
Ourea 156 LED

351
Ourea 156 LED



380
Surf System LED

380
Surf System LED

384
Surf Parete LED

394
Mouette
simmetrica fluo

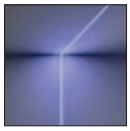
396
Mouette
simmetrica fluo

398
Mouette
asimmetrica fluo

400
Mouette mini
fluo

Professional light

30
Algoritmo Floor
LED



42
Algoritmo System
LED/fluo

60
Algoritmo System
LED/fluo

100
Algoritmo
Stand alone LED/fluo

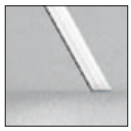
354
Solar LED

362
Chocolate terra
LED

374
Elle Satin
LED

375
Elle Eye
LED

386
Fuso
LED



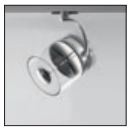
406
Nothing 86 System

422
Nothing 86 System
LED/fluo/HIT/HALO

440
Nothing 86
Stand alone LED/fluo

Type index

Track


114
Cata

146
Airlite

170
Picto 70

174
Picto 100

178
Picto 125

230
PAD

234
PAD Square

for Algoritmo System

212
37 Cube

230
PAD

235
PAD Square

Semirecessed

152
Airlite

210
37 Cube

233
PAD

237
PAD Square

Ceiling recessed

238
PAD 80

264
Everything M Std

268
Everything M Std

272
Everything M Pro

274
Everything M Pro

280
Luceri LED

290
Luceri Kadro LED

304
Rastaf LED

306
Rastaf LED

354
Solar LED

312
Tagora 80

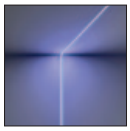
314
Tagora 270

318
Tagora 570

320
Tagora 970

406
Nothing 86 System

Wall/Ceiling recessed

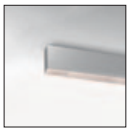

42
Algoritmo System

Floor recessed

30
Algoritmo Floor

Ceiling

60
Algoritmo System


100
Algoritmo
Stand alone

130
Cata

188
Picto 70

192
Picto 100

198
Picto 125

230
PAD

234
PAD Square

248
Pad 80

324
Tagora 80

326
Tagora 270

330
Tagora 570

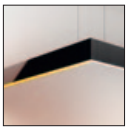
332
Tagora 970

350
Ourea 156 LED

422
Nothing 86 System

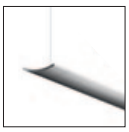
440
Nothing 86 System
Stand alone

Suspension


60
Algoritmo System

100
Algoritmo
Stand alone

156
Airlite


376
Surf System LED

370
Elle Satin

370
Elle Eye

386
Fuso

338
Tagora 80

340
Tagora 270

342
Tagora 570

344
Tagora 970

351
Ourea 156 LED

394
Mouette
simmetrica fluo

396
Mouette
simmetrica fluo

398
Mouette
asimmetrica fluo

400
Mouette mini
fluo

422
Nothing 86 System

440
Nothing 86
Stand alone

Floor

362
Chocolate terra
LED

Wall

376
Surf System LED

384
Surf Parete LED

60
Algoritmo System

100
Algoritmo
Stand alone

Algoritmo

Carlotta de Bevilacqua
Paola di Arianello

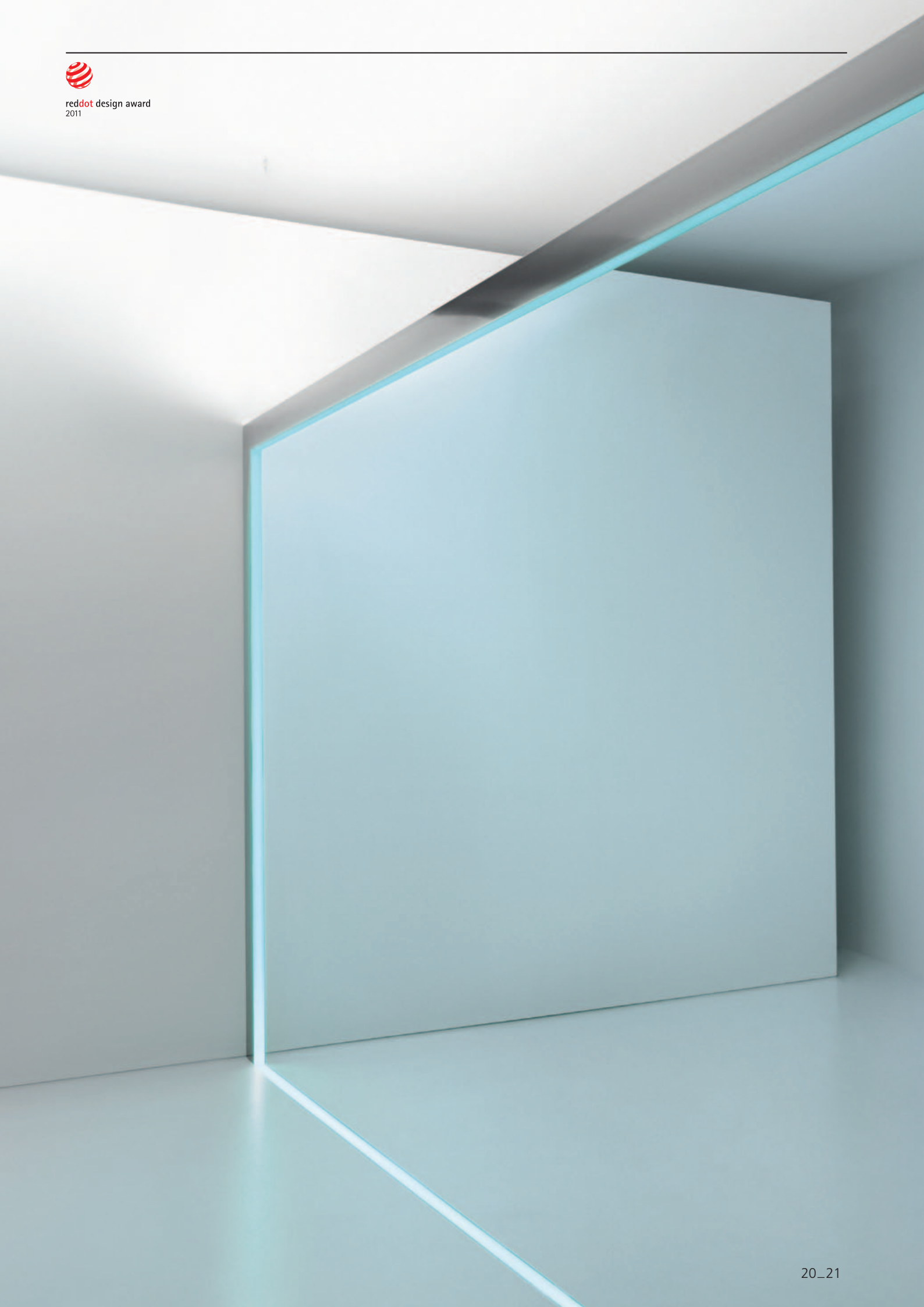
2010

Algoritmo

Carlotta de Bevilacqua
Paola di Arianello

2010

Algoritmo is an innovative system allowing a new way of lighting through an integrated, dynamic dialogue with architecture. Light becomes a constructive element and an open system, creating different perspectives and functional identities in the space. 5 lighting performances are included in a single extruded aluminium body: ambient lighting, directional lighting and accent lighting.The versatility of this system allows the ability to create different lighting configurations without interruptions and discontinuities between floor, wall, ceiling and internal space. It is possible to create lines and corners of continuous light on the same plan or at a 90 degree angle. Defined, thin lines are created by the two light sources, fluorescent (white light with different colour temperatures) and LED (dynamic RGB and white light). This makes Algoritmo the perfect architectural system for multiple spaces: home, office, hospitality, retail, museum.Different installation options – surface recessed, surface mounted, suspended – allow an infinite choice of lighting solutions for every style of architecture.



Algoritmo System LED Dark light optic system

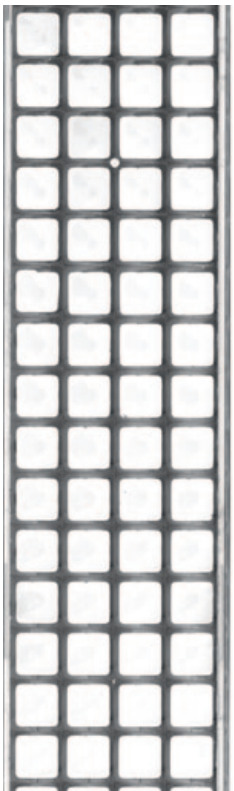
Dark light LED optic System
UGR index control and 65° luminance (EN 12464)

Patent-pending proprietary optic system made by a thin black square-meshed grid and by a system of square plano-convex lenses of appropriate beam angle. The internal part of the grid is white painted and has a high reflection coefficient, so that the light incident on the grid is retrieved within the Algoritmo body.

A net 'cut off' at the required angle is obtained through this system.
The convex profile of the lens is designed with images optic techniques, so that the emission is limited within the 65° required by standard EN 12464.

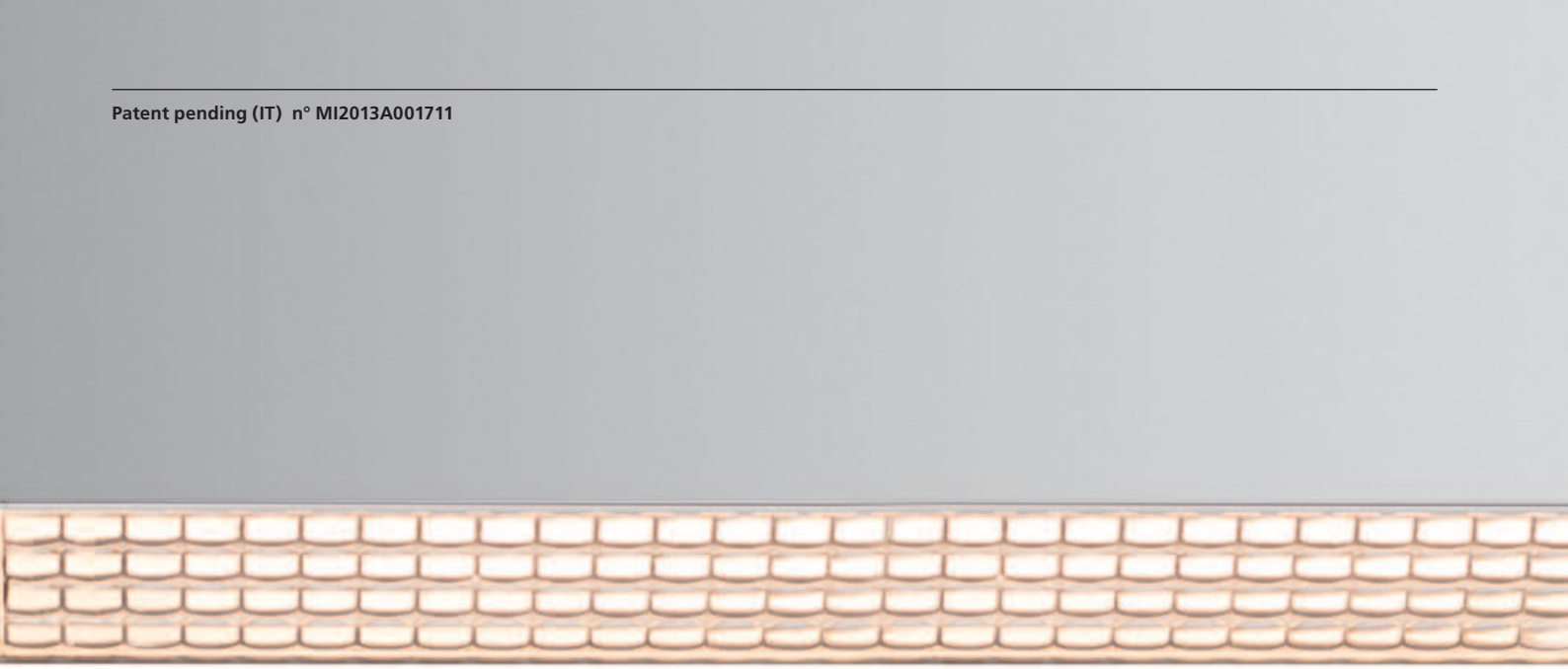
UGR<19
Angle luminance equals to 65° and beyond:
<3,000 cd/m2.

light ON



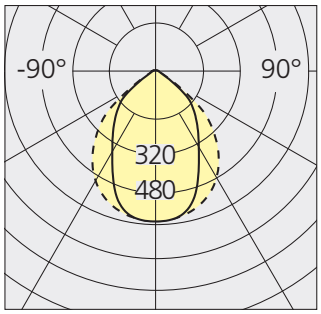
light OFF

Patent pending (IT) n° MI2013A001711



UGR < 19

2θ/2 = 68°	3000 K	4000 K
E_0 (h 1m)	916 lux	976 lux
E_0 (h 2m)	229 lux	244lux



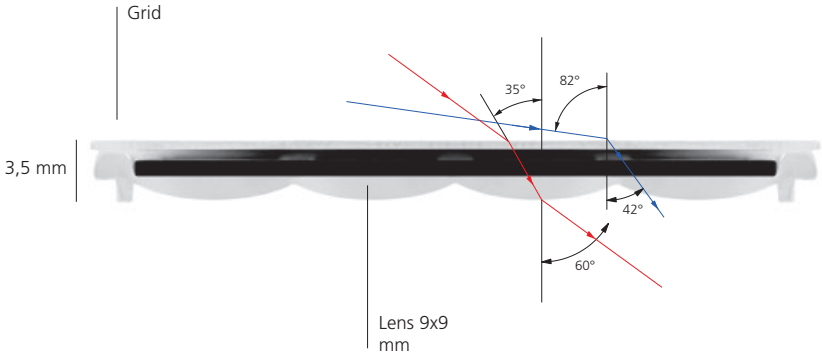
cd/k lm

C0 - C180
C90 - C270

Operating diagram of the optical device used on Algoritmo Dark:

The grid positioned over the lenses allows only the rays falling into the required output angular limits to be incident to the lenses.
The rays beyond these limits are recovered and redirected inside the light box (if the ray is incident to the white surface) or cancelled (if the ray is incident to the black edge).

Functioning scheme



Algoritmo Guide to completing the installation

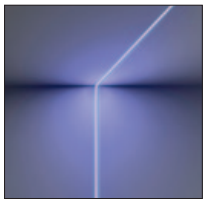
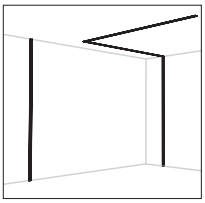
- Modular system for ceiling- or wall-recessed installation, for wall-mounting, surface-mounted ceiling or suspended installation (Algoritmo system).
- Available also in IP67 floor recessed version (Algoritmo floor) and stand-alone version (Algoritmo stand-alone).
- Installation available in continuous line or at a 90 degree angle, on the same plan (Algoritmo system and Algoritmo floor) or on perpendicular plans (Algoritmo system).
- Different lighting sources available:

  Diffused or dark light fluorescent
- Dark light monochromatic LED (warm white or neutral white), diffused, wall washer.
- Accent lighting with 3 high-efficiency LED white projectors: PAD, PAD Square and 37 Cube.

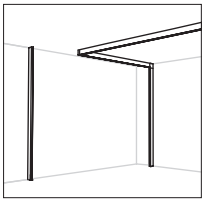
Algoritmo Installation

Algoritmo Floor
floor recessed

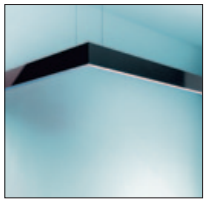
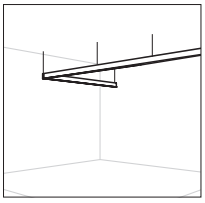
Algoritmo System
wall- or ceiling recessed

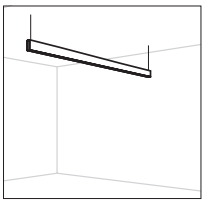
Algoritmo System
Wall/ceiling
surface-mounted
configurations, linear
or at a 90 degree angle.



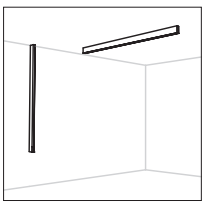
Algoritmo System
Linear or at a 90 degree
angle installations.

Algoritmo Stand-alone
Suspension

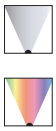
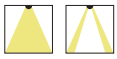
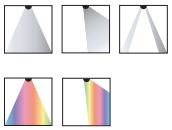
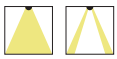
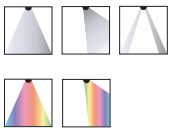
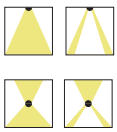
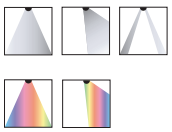
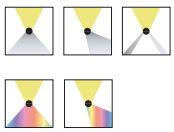
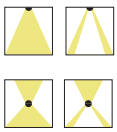
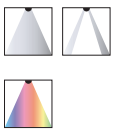
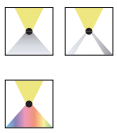
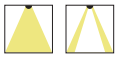
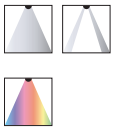


Algoritmo Stand-alone
Surface-mounted
ceiling installation.

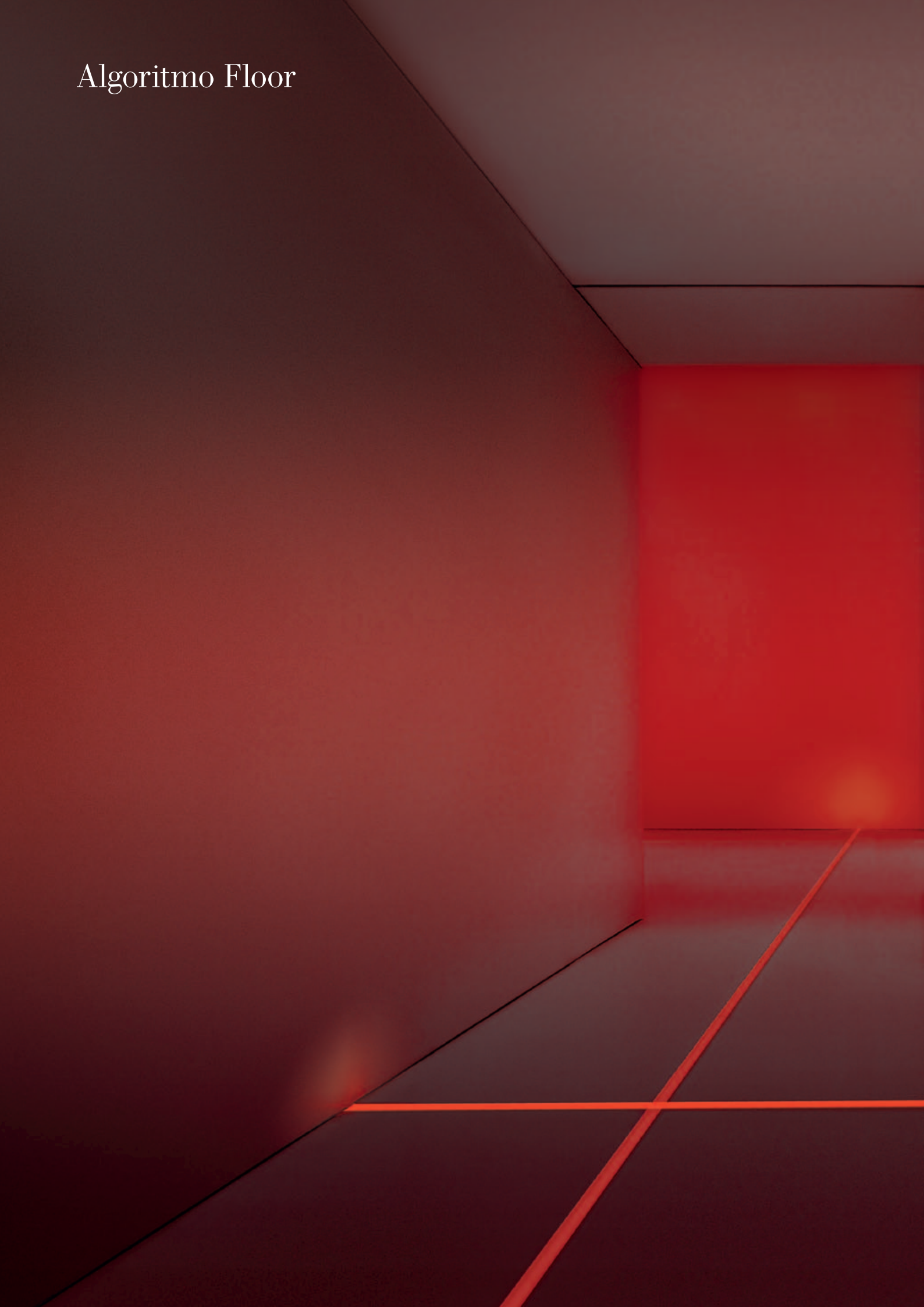


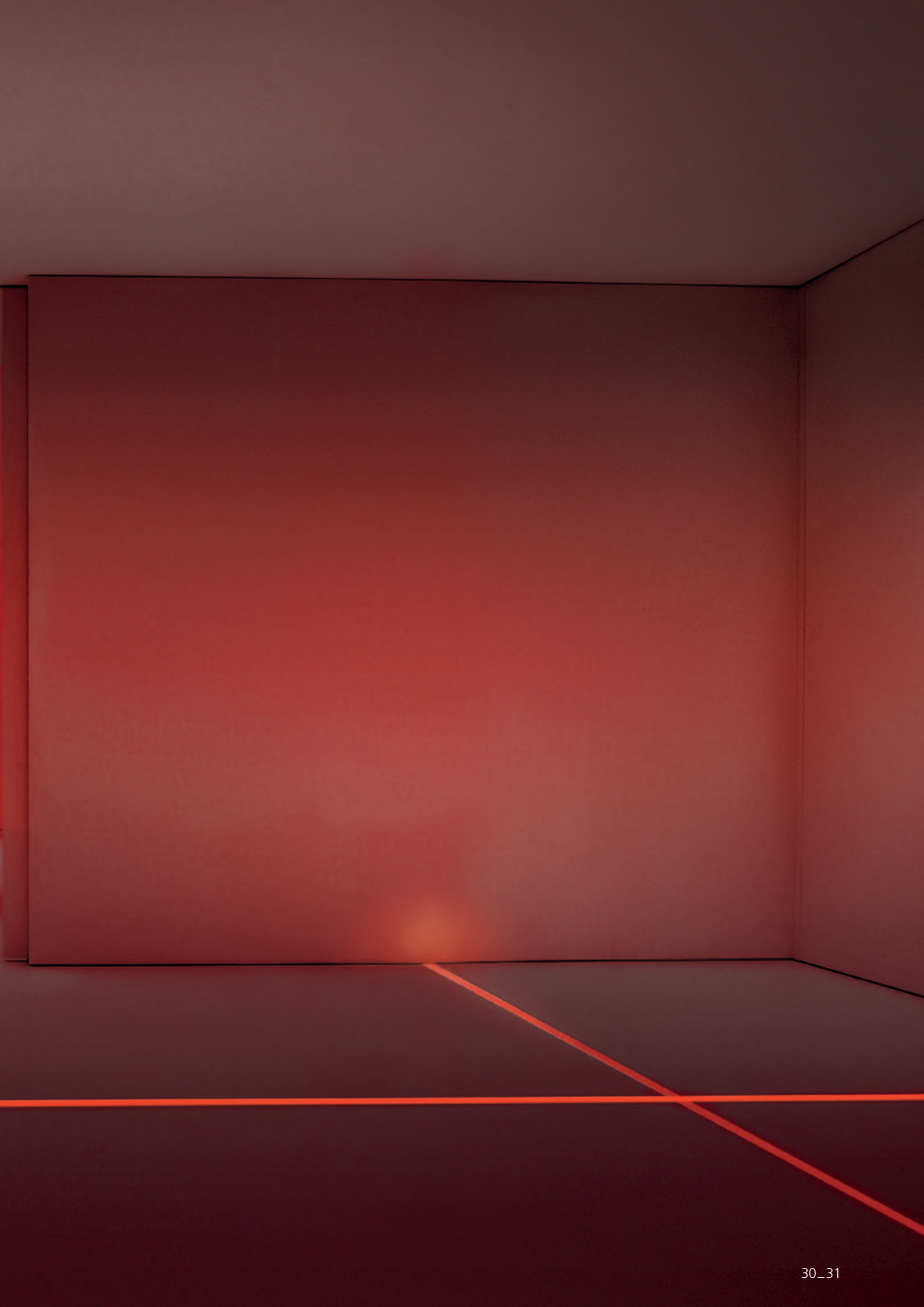
Previous pages

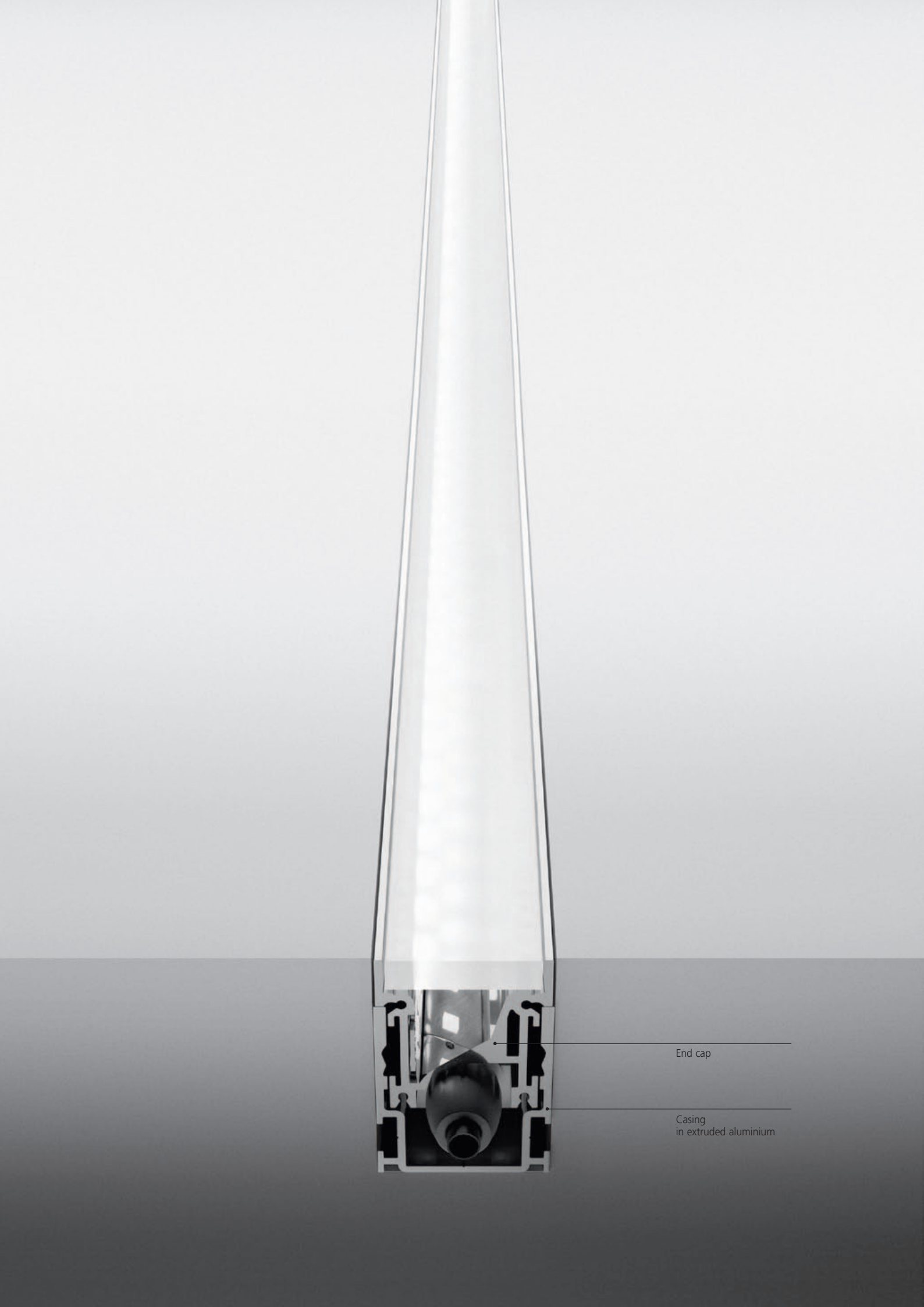
Algoritmo Floor - Algoritmo System
Atelier Eera - Cavaion veronese (Italy)
Arch.: Alberto Salvadori
Photo: Marco Zanta

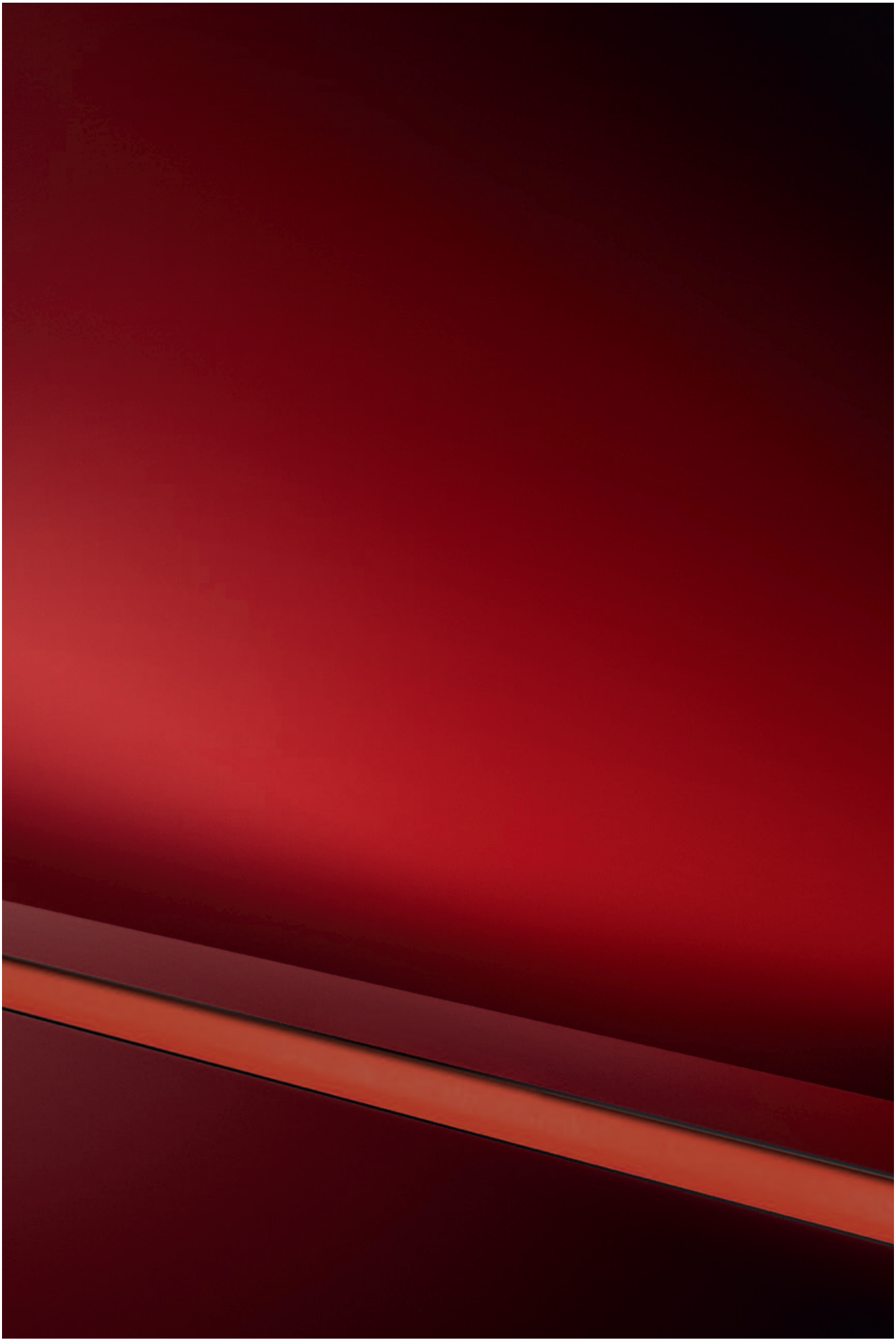
Fluorescent emission	LED/RGB LED emission	LED/RGB LED emission + fluorescent indirect	Accent lighting	
				Indirect emission, white or RGB diffused LED.
				Diffused or dark light fluorescent emission. Direct emission white or RGB LED, diffused or wall washer. Direct emission white LED dark light. Accent lighting.
				Diffused or dark light fluorescent emission. Direct emission white or RGB LED, diffused or wall washer. Direct emission white LED dark light. Direct emission white or RGB LED, diffused or wall washer + fluorescent indirect emission. Accent lighting.
				Diffused or dark light fluorescent emission. Direct emission white or RGB LED, diffused or wall washer. Direct emission white LED dark light. Direct emission white or RGB LED, diffused or wall washer + fluorescent indirect emission. Accent lighting.
				Diffused or dark light fluorescent emission. Direct emission white or RGB LED, diffused or wall washer. Direct emission white or RGB LED, diffused.
				Diffused or dark light fluorescent emission. Direct emission white or RGB LED, diffused. Direct emission white LED, dark light.

Algoritmo Floor





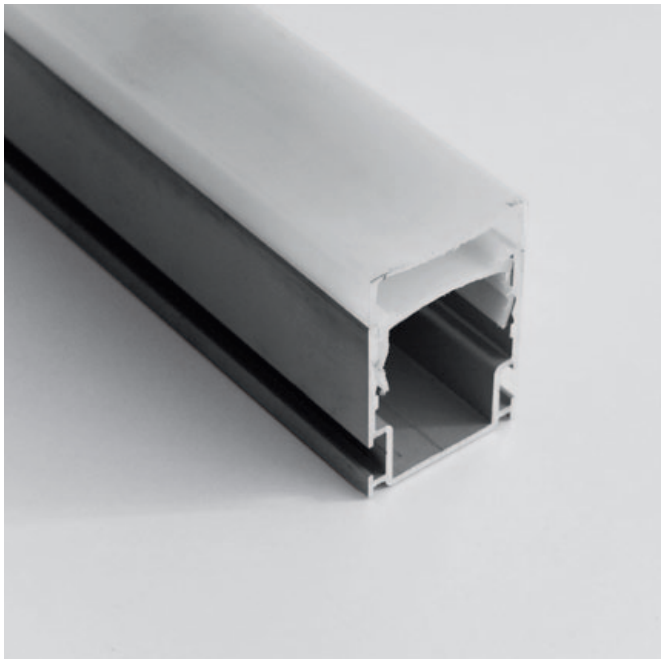

End cap
Casing
in extruded aluminium



Algoritmo Floor Components

- Algoritmo floor is a floor recessed-mounted LED lighting system designed to create narrow light lines.
- Ideal to structuring of spaces, draw borders within architecture or create orientation lighting.
- IP67. Available only for indoor use.
- System including RGB LED body lamps, available as monochromatic warm or neutral white, and a recessing profile.
- The extremely compact dimensions allow a minimal visual impact on the architecture.
- Light fitting in extruded aluminium with anodized finish, sealed by an 8-mm thick diffuser in tempered glass.
- Available in 3 lengths: 600 mm, 900 mm, 1200 mm.
- Power supply and light management system to be ordered separately.
- Recessing profile in extruded aluminium to be ordered separately.
- Available in two lengths (1300 and 4900 mm), to be cut on site to the required configuration.
- Static load resistance: 5000 n.
- Lighting unit provided with quick-connector system for easy bridging connection.
- A proprietary low tension bus permits to cover long distances without additional electrical supply.
- Not suitable for wall or ceiling installation.
- Complies with standard EN60598-1 and other specific standards.

Recessing profile +



Recessing profile
in extruded aluminium.
To be cut on site
to the required dimension.
Length 1300 mm
Length 4900 mm

Recessing components +

End caps (set of 2).

Fixing brackets (set of 4).

Straight mechanical connector (set of 2).

Body lamps +

White LED body lamp.
LV integrated through-wiring.

RGB LED body lamp.
LV integrated through-wiring.

Cables Electrical components +

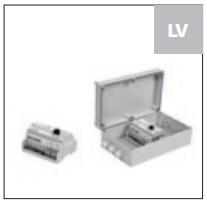
Power feed cable set.
Consists of one 5m long power feed cable (3x0.75mm^2) + 1 blanking plug for sealing the last luminaire of the row.

Extension cable
3x 0.75 mm^2.

Electrical connector*
for coupling wall-surface mounted LED modules of ALGORITMO SYSTEM with floor-recessed modules of ALGORITMO FLOOR, powered through the same shared electrical circuit*
Only for RGB LED.

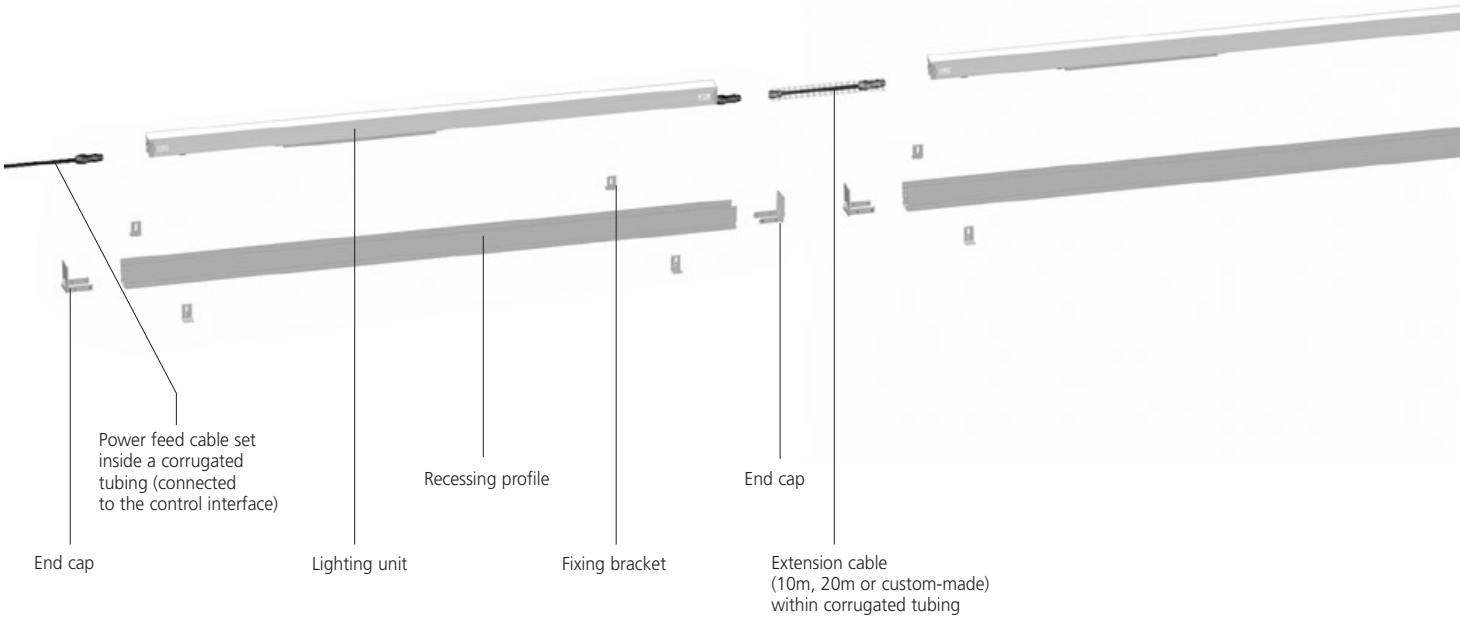
Power supplies and control systems

Electronic power supply
IP67.



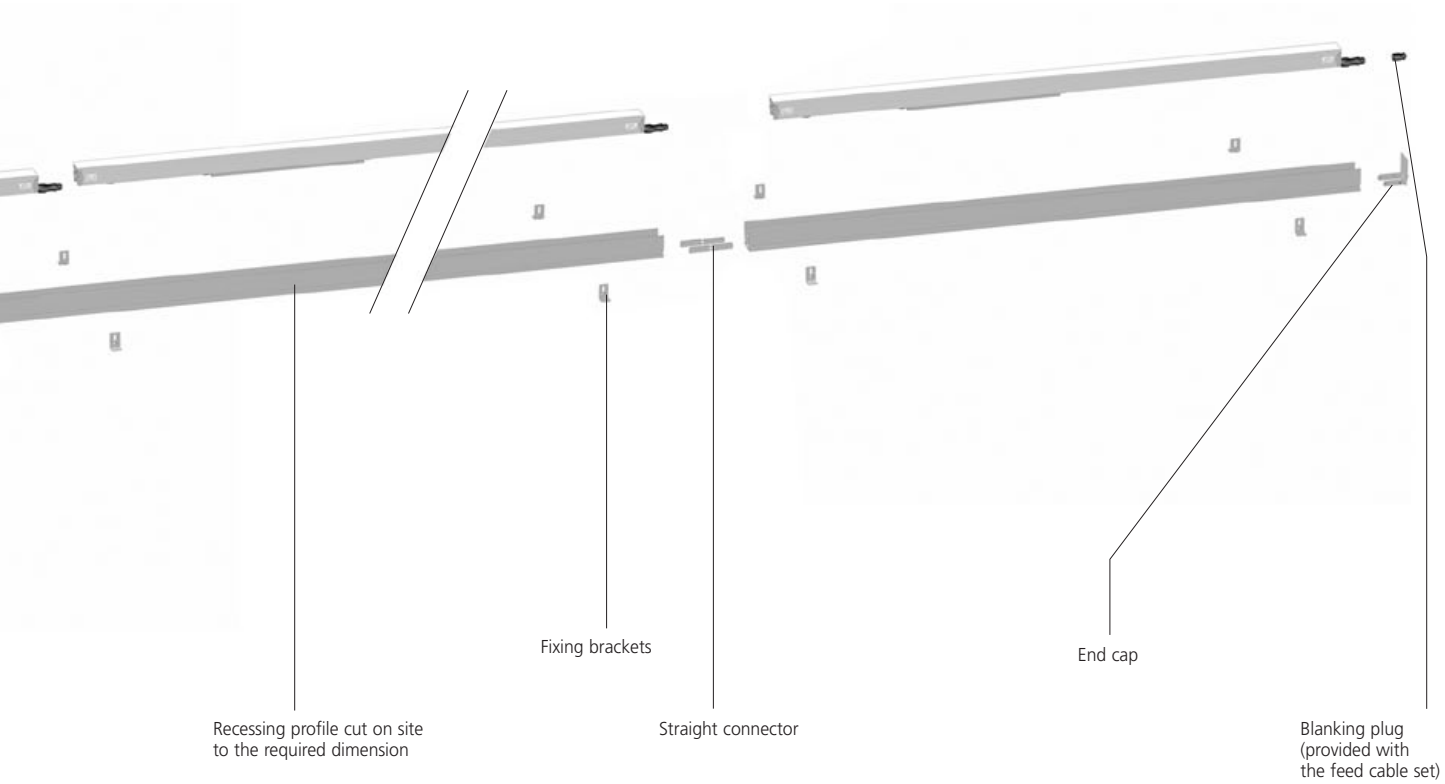
Control interface:
IP20 and IP67.
Allows management of multiple (LV) Algoritmo System and/or Algoritmo Floor.

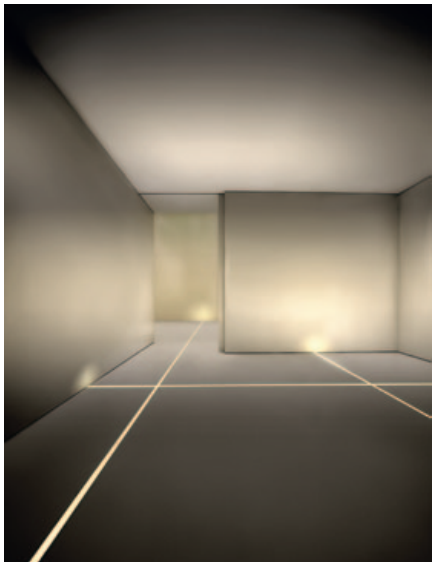
Algoritmo Floor Installation

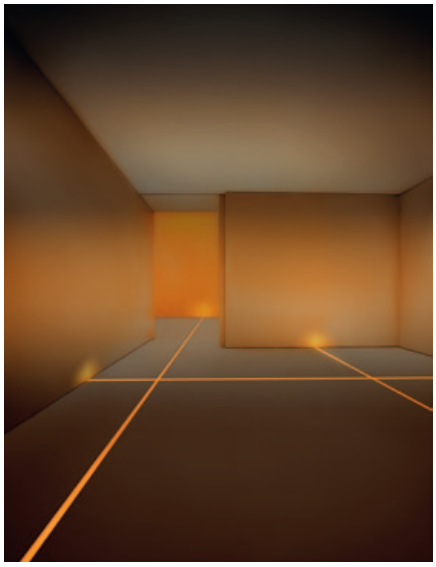


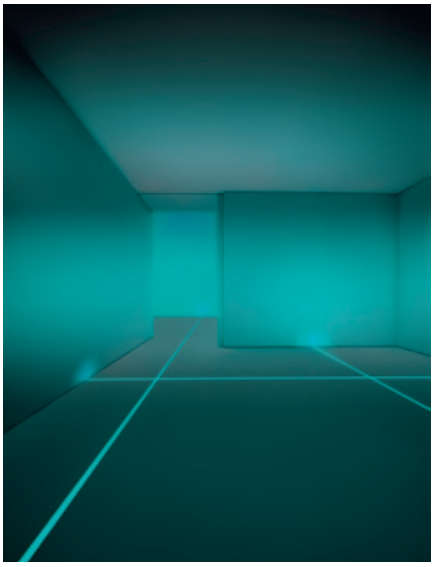
Single lighting units, or the lighting units starting and ending a row can be 900 or 1200 mm, but never 600 mm.

~~600 mm~~	~~600 mm~~	600 mm	600 mm	~~600 mm~~
900 mm	900 mm	900 mm	900 mm	900 mm
1200 mm	1200 mm	1200 mm	1200 mm	1200 mm


Fixing brackets
End cap
Recessing profile cut on site
to the required dimension
Straight connector
Blanking plug
(provided with
the feed cable set)



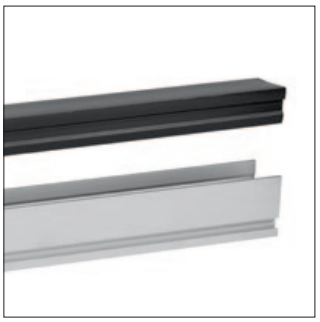




Algoritmo Floor white LED

Recessing unit

Length	Code
1300 mm	M221000
4900 mm	M221100



Can be custom cut

Body lamp

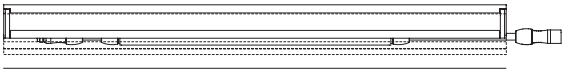
LED White

W (LED)	Length	Weight	Flux	CCT	Code
5 W	600 mm	1,30 kg	78 lm	3000 K	M220300
		1,30 kg	85 lm	4000 K	M220400
7,5 W	900 mm	1,90 kg	103 lm	3000 K	M220500
		1,90 kg	113 lm	4000 K	M220600
10 W	1200 mm	2,50 kg	155 lm	3000 K	M220700
		2,50 kg	170 lm	4000 K	M220800

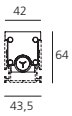
LV integrated through-wiring.
Power supply and light management system to be ordered separately.

IP67 **IK**08
850°

Maximum load 5000N

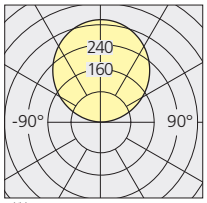


600/900/1200



Algoritmo Floor Led	LED direct		luminaire direct	
Power	10 W	10 W	10 W	10 W
Flux	720 lm	780 lm	155 lm	170 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (typ.)			
Color tolerance	MacAdam 4SDCM			
Service life	L70(6K) > 36000h			
Efficiency			22%	22%
Efficacy	72 lm/W	78 lm/W	15 lm/W	17 lm/W

9 W



Values related to luminaire body L 1200 mm.

Power supply / light management system for LED

	Code
Electronic power supply IP67. Input voltage range: 90-264VAC / 47-63 VDC. Output voltage: 48 VDC. Protection against overcurrent, overvoltage, short-circuit and overtemperature, with automatic restart.	
100 W For feeding up to a total 90 W. 220x68x38 mm.	M075000
240 W For feeding up to a total 225 W. 244x68x39 mm.	M075100
320 W For feeding up to a total 300 W. 252x90x44 mm.	M076100

 IP67 IP20 **Control interface** For managing groups of Algoritmo System and/or Algoritmo Floor lighting units. Integrated sequencer for stand-alone operation with predefined colour sequence. Possibilty of master-slave configuration. DALI or DMX light management systems are not included.	
IP67. Compactible DALI-Switch Dimm 310x168x90 mm.	M077000
IP67. Compactible DALI-Switch Dimm or DMX. 310x168x90 mm.	M077100
IP20. Compactible DALI-Switch Dimm Suitable for DIN rail mounting. 106x90x70 mm.	M077200
IP20. Compactible DALI-Switch Dimm or DMX. Suitable for DIN rail mounting. 106x90x70 mm.	M077300

For electrical scheme, please see page 98

Electrical components

	Code
Power feed cable set. Consists of one 5m long power feed cable (3x0,75mm²) for connecting the first luminaire to the control interface, + 1 blanking plug for sealing the last luminaire of the row.	
Length 5m.	M221600
Length 10m.	M222000
Length 15m.	M222100
Extension cable 3x0,75mm².	
Length 10m.	M221700
Length 20m.	M221800

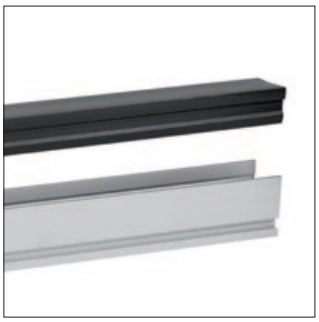
Installation components

	Code
End cap (set of 2) in aluminium.	M221300
Fixing bracket (set of 4) in stainless steel. Can slide along the profile. Height adjustment ranging 22mm.	M221400
Straight mechanical connector (set of 2) in stainless steel. For the mechanical connection of the recessing profiles.	M221500

Algoritmo Floor LED RGB

Recessing unit

Length	Code
1300 mm	M221000
4900 mm	M221100



Body lamp

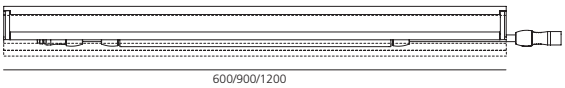
LED RGB

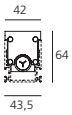
W(LED)	Length	Weight	Code
9 W	600 mm	1,30 kg	M220000
13,5 W	900 mm	1,90 kg	M220100
18 W	1200 mm	2,50 kg	M220200

LV integrated through-wiring.
Power supply and light management system to be ordered separately.

IP67 **IK**08
850°

Maximum load 5000N





Power supply / light management system for LED

	Code
Electronic power supply IP67. Input voltage range: 90-264VAC / 47-63 VDC. Output voltage: 48 VDC. Protection against overcurrent, overvoltage, short-circuit and overtemperature, with automatic restart.	
100 W For feeding up to a total 90 W. 220x68x38 mm.	M075000
240 W For feeding up to a total 225 W. 244x68x39 mm.	M075100
320 W For feeding up to a total 300 W. 252x90x44 mm.	M076100

Control interface
For managing groups of Algoritmo System and/or Algoritmo Floor lighting units. Integrated sequencer for stand-alone operation with predefined colour sequence. Possibilty of master-slave configuration.
DALI or DMX light management systems are not included.

IP67

IP20

IP67. Compactible DALI-Switch Dimm 310x168x90 mm.	M077000
IP67. Compactible DALI-Switch Dimm or DMX. 310x168x90 mm.	M077100
IP20. Compactible DALI-Switch Dimm Suitable for DIN rail mounting. 106x90x70 mm.	M077200
IP20. Compactible DALI-Switch Dimm or DMX. Suitable for DIN rail mounting. 106x90x70 mm.	M077300

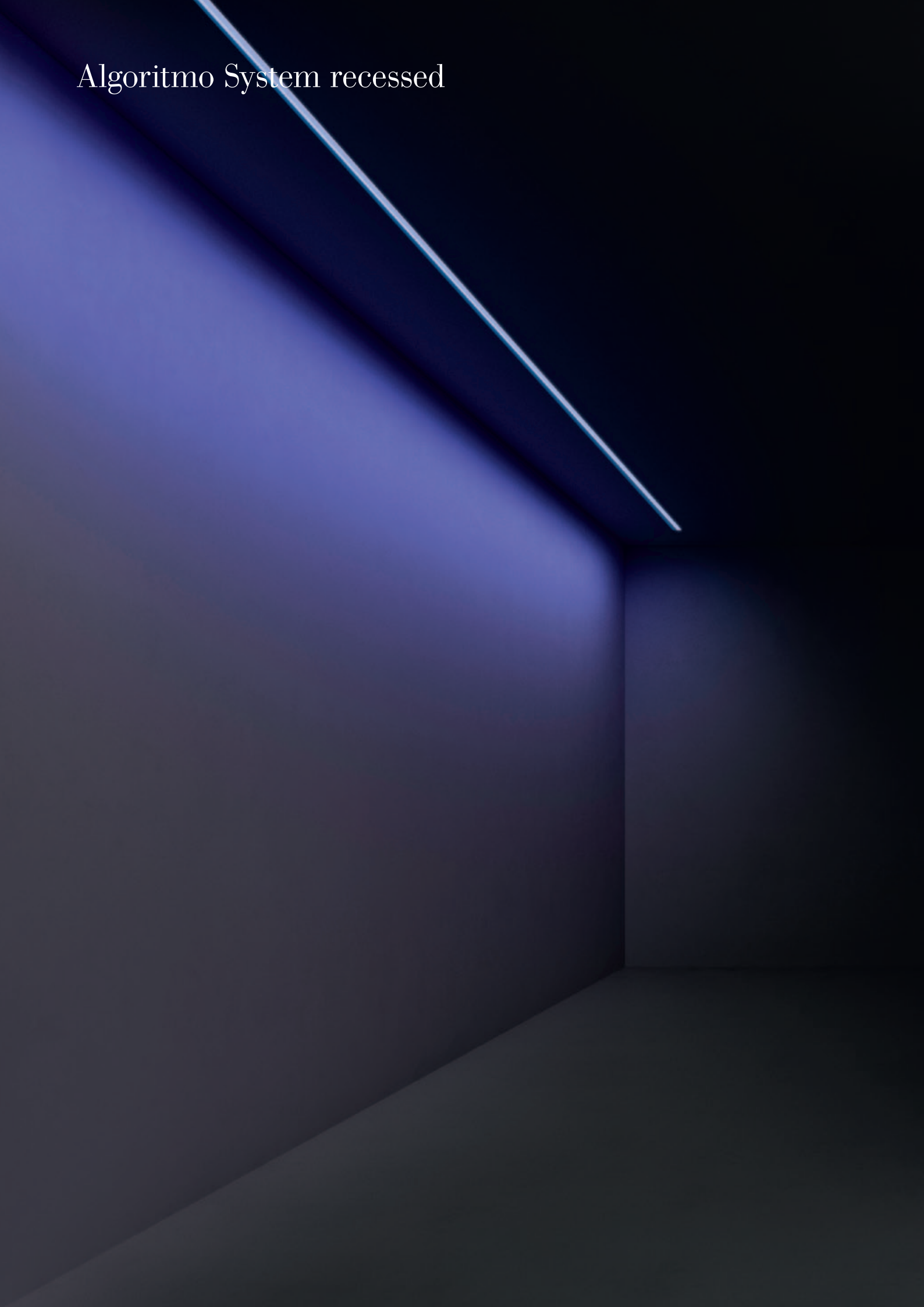
For electrical scheme, please see page 98

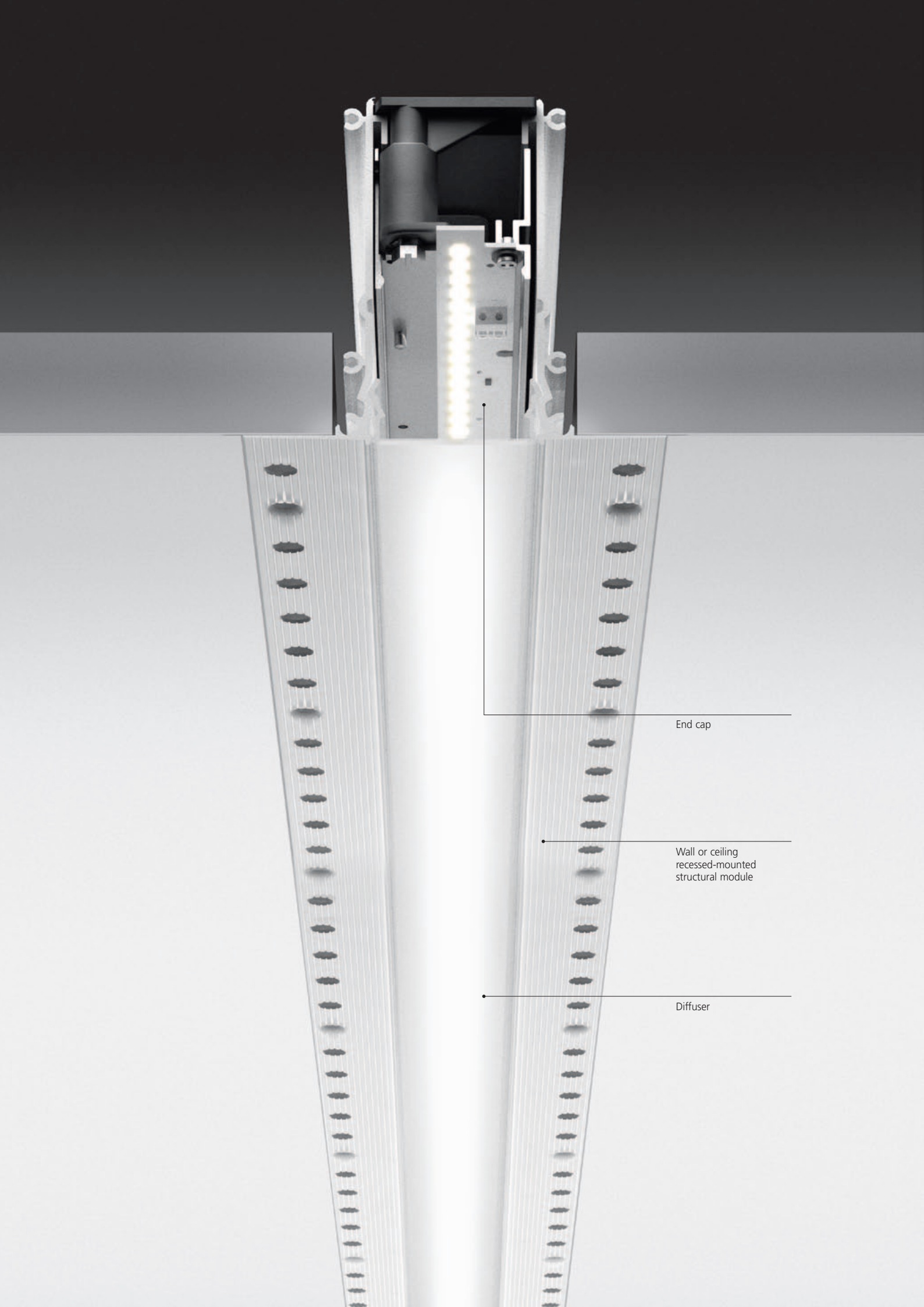
Electrical components

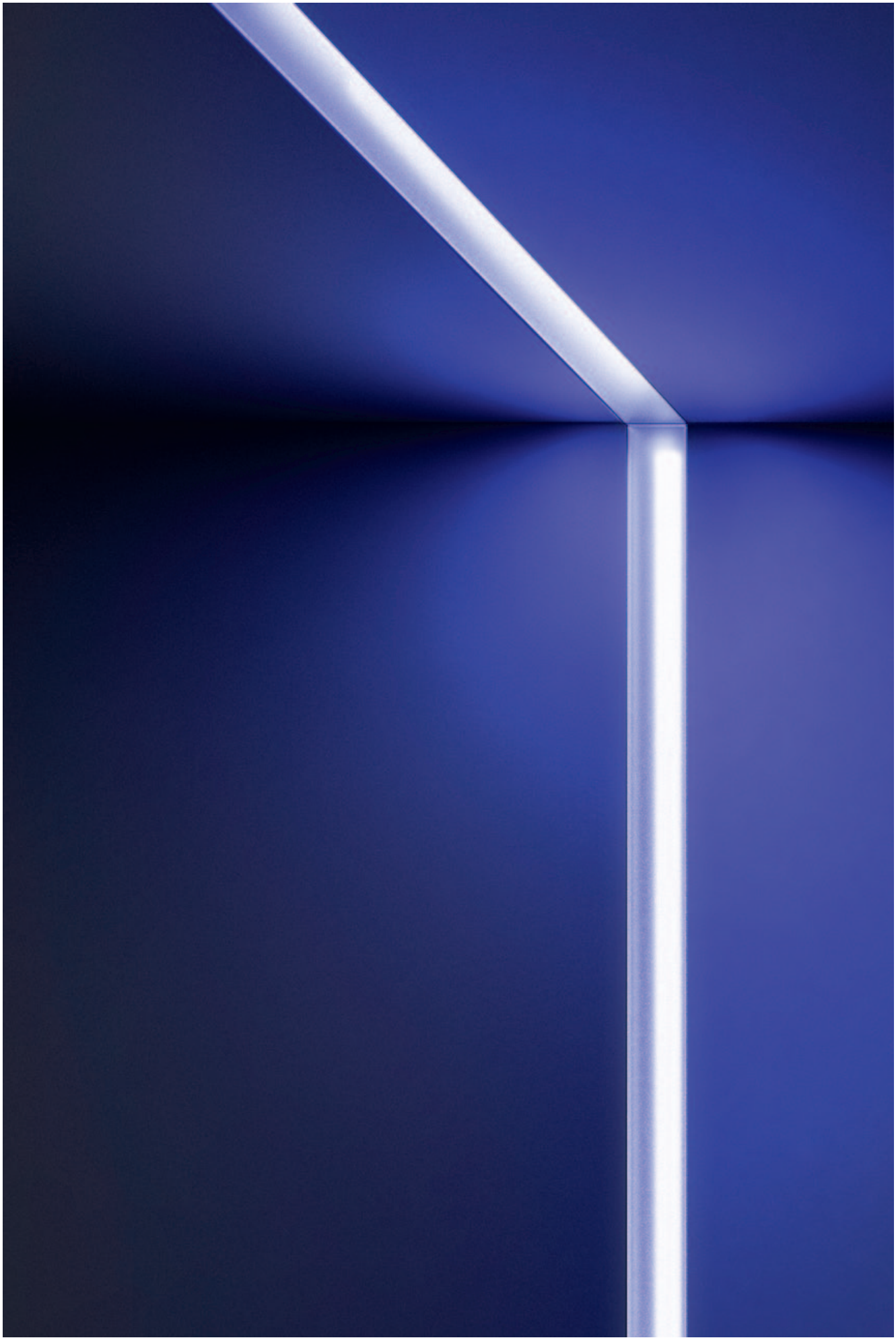
	Code
Power feed cable set. Consists of one 5m long power feed cable (3x0,75mm²) for connecting the first luminaire to the control interface, + 1 blanking plug for sealing the last luminaire of the row.	
Length 5m.	M221600
Length 10m.	M222000
Length 15m.	M222100
Extension cable 3x0,75mm².	
Length 10m.	M221700
Length 20m.	M221800
Electrical connector For coupling wall-surface and wall-recessed mounted led modules of algoritmo system led (lv) with floor-recessed modules of algoritmo floor (lv), powered through the same shared electrical circuit.	M221900

Installation components

	Code
End cap (set of 2) in aluminium.	M221300
Fixing bracket (set of 4) in stainless steel. Can slide along the profile. Height adjustment ranging 22mm.	M221400
Straight mechanical connector (set of 2) in stainless steel. For the mechanical connection of the recessing profiles.	M221500

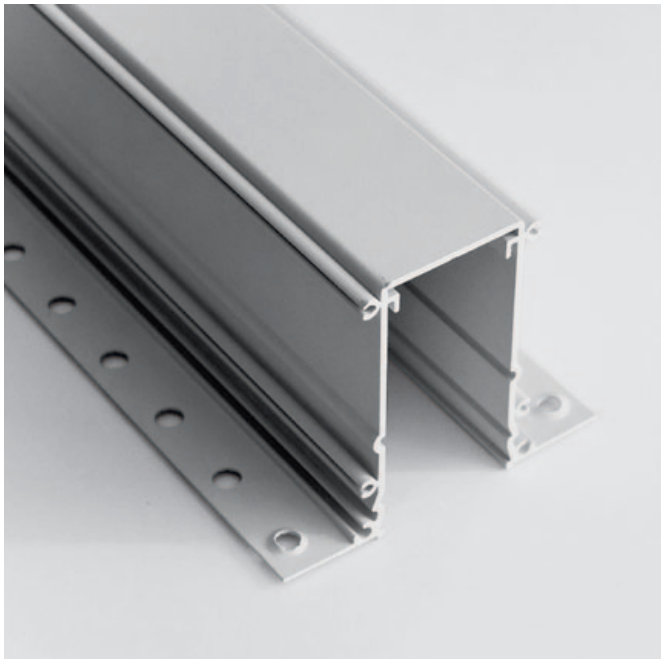

Algoritmo System recessed


End cap
Wall or ceiling
recessed-mounted
structural module
Diffuser



Algoritmo System recessed wall/ceiling Components

Structural module +



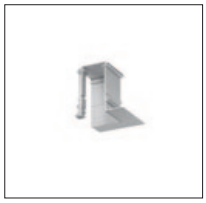
- Wall- or ceiling- recessed mounted modular system.
- Algoritmo system is particularly flexible; it allows different lighting solutions to be coupled through the same shared electrical system. Fluorescent diffused or dark light version, LED diffused or wall washer in warm (3000 K) or neutral white (4000 K), RGB LED, LED Dark Light, accent lighting.
- Installation in line or at a 90° angle.

  Algoritmo system is composed of:
- Structural modules in extruded aluminium, available in different lengths depending on the installation option and 2 finishes, white or gloss anodized.
- Gear plates with through-wiring and rapid connectors.
- Supplementary through-wiring with rapid connection.
- optical systems: diffusers, dark light optics for fluorescent version, dark light optics for LED, wall washer optics for led, 3 white led monochromatic projectors (pad, pad square and 37 cube).
- End caps and joints.
- Feeding cables.
- Fluorescent gear plates with electronic or 'multiwatt' dimmable electronic feeder 28/54w (Dali-SwitchDim).
- T16 seamless tubes to be ordered separately.
- Power supply and led management systems (LV) to be ordered separately.

Structural module for ceiling- or wall-recessed installation.
Trimless finish, where installation requires a finish coat of plaster.
End caps, angles, gear plates and optics unit available separately.

Junction components +

End caps.



90° angle for connecting two recessed modules on one same plane.

Pre-wired gear plates +

Pre-wired gear tray for white LED diffused and wall washer. MV through-wiring included.

Pre- wired gear tray for white LED dark light. MV through-wiring included.

Pre-wired gear tray for RGB LED diffused. LV through-wiring included.

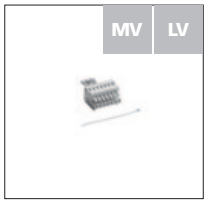
Pre-wired gear tray for RGB LED wall washer. LV through-wiring included.

Pre-wired gear tray for fluorescent tubes T16-SLS. MV through-wiring included.

Pre-wired gear tray for accent lighting unit. PAD, PAD square and 37 Cube to be ordered separately. MV through-wiring included.

Electrical Components +

Optional through-wiring.
To be used with mixed installations combining LV and MV pre-wired gear trays.

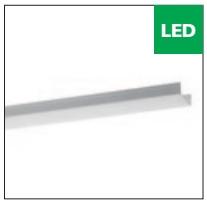


Power supply kit.

Electrical connector*
for coupling Algoritmo LED System (LV) with wall- and floor- recessed modules of Algoritmo Floor (LV), powered through the same shared electrical circuit.

*Only for RGB LED

Optical systems +



Opal polycarbonate
diffuser for white LED
and diffused RGB versions.

Polycarbonate optics
for white LED
and RGB wall washer versions.

Dark Light Optics
for white LED version.

Dark Light optics
for fluorescent versions.

PMAA opal diffuser
for fluorescent versions.

Junction components +

Junction to be fitted
to the module on the same plan.
Compatible with the junction for the same plane.

Spotlights +

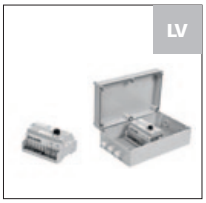
37 Cube
for Algoritmo System.

PAD
for Algoritmo System.

PAD Square
for Algoritmo System.

Power supplies and control systems

Electronic power supply
IP67.



Control interface:
IP20 and IP67.
Allows management of multiple (LV) Algoritmo System and/or Algoritmo Floor.

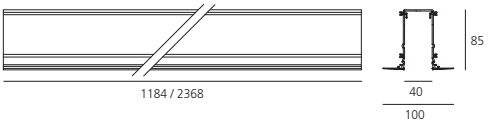
Algoritmo System recessed wall/ceiling Components

Gloss anodized

Structural module

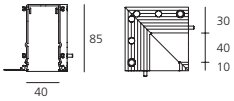
Length	Weight	Color	Code
1184 mm	1,80 kg		M204800
2368 mm	3,60 kg		M204900

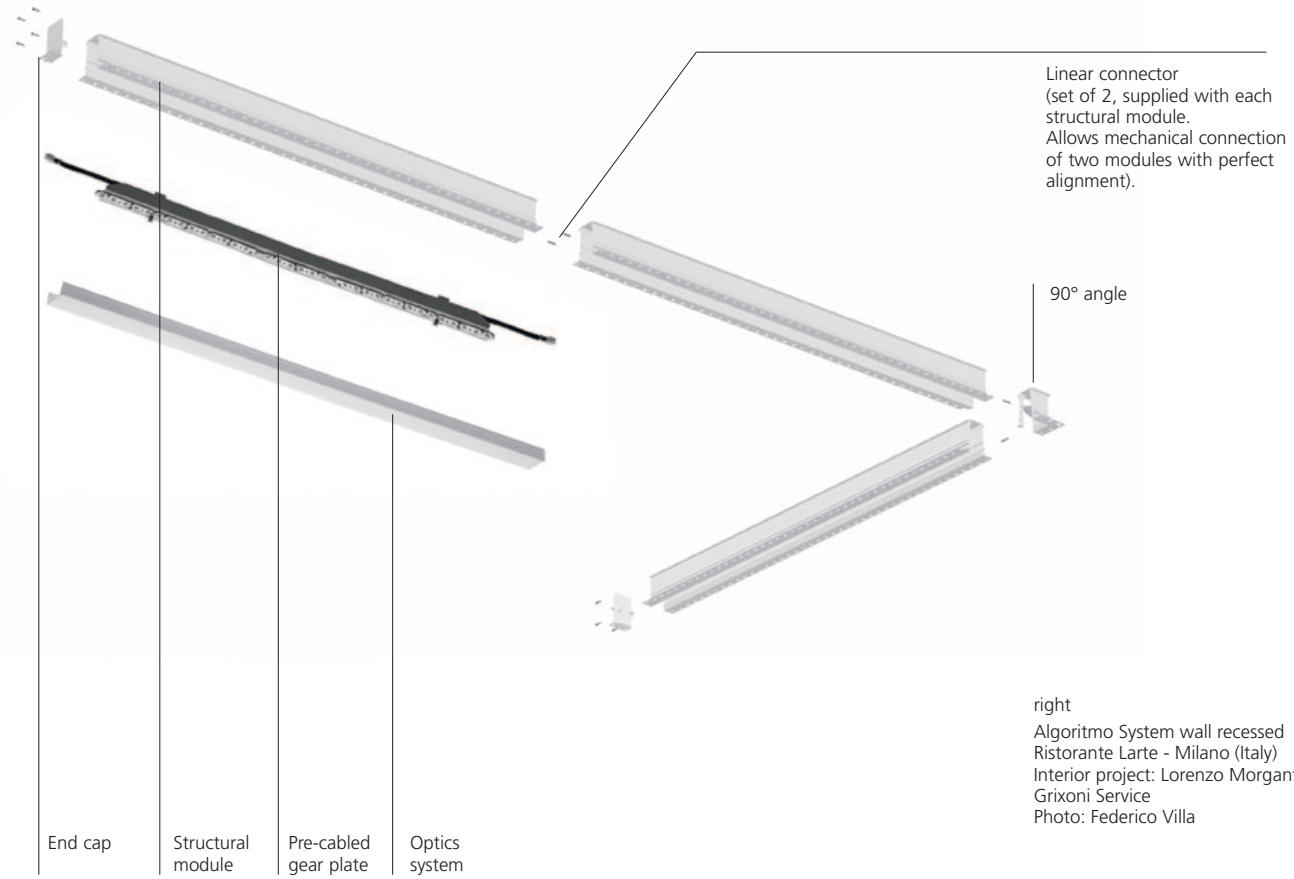
62x(ΣL+10 mm)



Accessories

	Code
90° angle for the mechanical connection of two recessed modules on one same plane.	M196600
End caps (set of 2)	M197300





right
Algoritmo System wall recessed
Ristorante Larte - Milano (Italy)
Interior project: Lorenzo Morganti, Grixoni Service
Photo: Federico Villa

Algoritmo System LED recessed wall/ceiling direct diffused emission

White LED diffused emission

W	Length	Weight	CCT	non dimmable Code	Dali-SwitchDim Code
23 W	1184 mm	1,10 kg	3000 K	M146200	M146201
			4000 K	M146300	M146301
46 W	2368 mm	2,00 kg	3000 K	M146400	M146401
			4000 K	M146500	M146501

LV integrated through-wiring.

RGB LED diffused emission

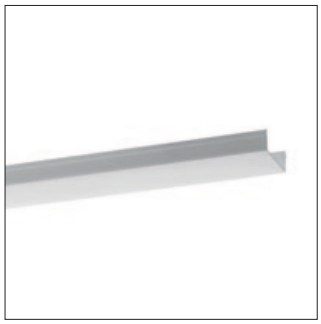
W (LED)	Length	Weight	Code
18 W	1184 mm	1,10 kg	M199600
36 W	2368 mm	2,00 kg	M199700

LV integrated through-wiring.
Power supply and light management system to be ordered separately.

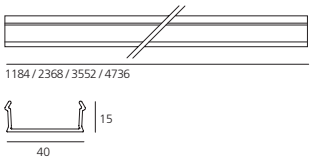
Opal diffuser in polycarbonate

Length	Weight	Code
1184 mm	0,10 kg	M197400
2368 mm	0,20 kg	M186800
3552 mm	0,30 kg	M203800
4736 mm	0,40 kg	M197500

Not suitable for Fluo version.

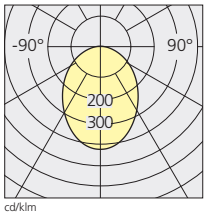


850°



White LED Algoritmo	LED		luminaire	
Power	20 W	20 W	23 W	23 W
Flux	2440 lm	2600 lm	1220 lm	1300 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (typ.)			
Color tolerance	MacAdam 4SDCM			
Service life	L70(6K) > 36000h			
Efficiency			50%	50%
Efficacy	122 lm/W	130 lm/W	53 lm/W	56 lm/W

23 W



Values related to luminaire body L 1184 mm.

Power supply / light management system for LED*

	Code
Electronic power supply IP67. Input voltage range: 90-264VAC / 47-63 VDC. Output voltage: 48 VDC. Protection against overcurrent, overvoltage, short-circuit and overtemperature, with automatic restart.	
100 W For feeding up to a total 90 W. 220x68x38 mm.	M075000
240 W For feeding up to a total 225 W. 244x68x39 mm.	M075100
320 W For feeding up to a total 300 W. 252x90x44 mm.	M076100

IP67

IP20

Control interface For managing groups of Algoritmo System and/or Algoritmo Floor lighting units. Integrated sequencer for stand-alone operation with predefined colour sequence. Possibilty of master-slave configuration. DALI or DMX light management systems are not included.	
IP67. Compactible DALI-Switch Dimm 310x168x90 mm.	M077000
IP67. Compactible DALI-Switch Dimm or DMX. 310x168x90 mm.	M077100
IP20. Compactible DALI-Switch Dimm Suitable for DIN rail mounting. 106x90x70 mm.	M077200
IP20. Compactible DALI-Switch Dimm or DMX. Suitable for DIN rail mounting. 106x90x70 mm.	M077300

* Only for RGB LED

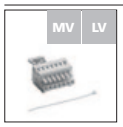
For electrical scheme, please see page 98

Electrical components

	Code
Supplementary through-wiring (optional). To be used in mixed configuration with LV and MV pre-cabled gear trays.	
LV 1184 mm	M198800
LV 2368 mm	M199000
MV 1184 mm	M198700
MV 2368 mm	M198900

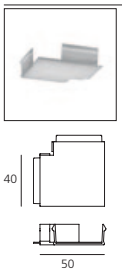
Electrical connector * For coupling wall-surface or floor-recessed LED Algoritmo System modules, powered through the same electrical circuit. * Only for RGB LED	M221900

Feeding Kit Allows for connection of the mains to the first pre-wired gear plate of the initial module.To be used only with recessed and surface installation.	
LV (3xmax 1,5 mm²) For feeding LED RGB trays.	M073230
MV (7xmax 1,5 mm²) For feeding fluorescent modules, white LED plates and accent modules.	M073240



Closure screens for 90° angles

	Code
Junction to be fitted to the module on the same plane Compatible with the junction for the same plane.	
For continuity between LED diffused emission modules.	M198100



Algoritmo System wall/ceiling LED recessed dark light direct emission

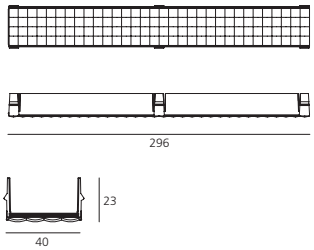
White LED dark light emission				non dimmable	Dali-SwitchDim
W	Length	Weight	CCT	Code	Code
23 W	1184 mm	1,10 kg	3000 K	M195000	M195001
			4000 K	M195100	M195101
46 W	2368 mm	2,00 kg	3000 K	M195200	M195201
			4000 K	M195300	M195301

MV integrated through-cable.

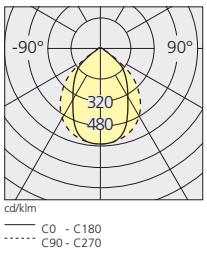
Dark light optics kit		
Length	Weight	Code
1184 mm	0,20 kg	M186700
2368 mm	0,40 kg	M187300

Not suitable for Fluo version.

850°



Algoritmo white LED	LED		luminaire		23 W
Power	20 W	20 W	23 W	23 W	
Flux	2440 lm	2600 lm	1464 lm	1560 lm	
CCT	3000 K	4000 K	3000 K	4000 K	
CRI	=80 (typ.)				
Color tolerance	MacAdam 4SDCM				
Service life	L70(6K) > 36000h				
Beam			C0-C180 2x36° C90-C270 2x46°	C0-C180 2x36° C90-C270 2x46°	
Efficiency			60%	60%	
Efficacy	122 lm/W	130 lm/W	64 lm/W	68 lm/W	



Values related to luminaire body L 1184 mm.

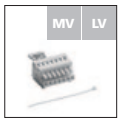
UGR < 19

2θ/2 = 68°	3000 K	4000 K
E_0 (h 1m)	916 lux	976 lux
E_0 (h 2m)	229 lux	244lux

Patent pending (IT) n° MI2013A001711

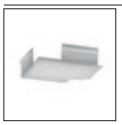
Electrical components

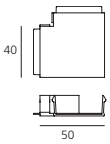
		Code
Supplementary through-wiring (optional). To be used in mixed configuration with LV and MV pre-cabled gear trays.		
LV	1184 mm	M198800
LV	2368 mm	M199000



Feeding Kit Allows for connection of the mains to the first pre-wired gear plate of the initial module.To be used only with recessed and surface installation.	
LV (3xmax 1,5 mm²) For feeding LED RGB trays.	M073230
MV (7xmax 1,5 mm²) For feeding fluorescent modules, white LED plates and accent modules.	M073240

Closure screens for 90° angles





	Code
Junction to be fitted to the module on the same plane Compatible with the junction for the same plane.	
For continuity between dark light fluo emission, LED emission modules and spot modules.	M198000

White LED wall washer emission

W	Length	Weight	CCT	non dimmable Code	Dali-SwitchDim Code
23 W	1184 mm	1,10 kg	3000 K	M146200	M146201
			4000 K	M146300	M146301
46 W	2368 mm	2,00 kg	3000 K	M146400	M146401
			4000 K	M146500	M146501

MV integrated through-cable.

RGB LED wall washer emission

W (LED)	Length	Weight	Code
39 W	1184 mm	1,10 kg	M204400
78 W	2368 mm	2,00 kg	M204500

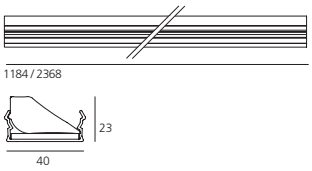
LV integrated through-wiring.
Power supply and light management system to be ordered separately.

Wall washer optics

Length	Weight	Code
1184 mm	0,70 kg	M217300
2368 mm	1,40 kg	M217400

Not suitable for Fluo version.

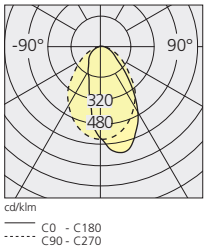
650°



Algoritmo white LED	LED		luminaire	
Power	20 W	20 W	23 W	23 W
Flux	2440 lm	2600 lm	1684 lm	1794 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (typ.)			
Color tolerance	MacAdam 4SDCM			
Service life	L70(6K) > 36000h			
Efficiency			69%	69%
Efficacy	122 lm/W	130 lm/W	73 lm/W	78 lm/W

Values related to luminaire body L 1184 mm.

23 W



Power supply / light management system for LED*

	Code
Electronic power supply IP67. Input voltage range: 90-264VAC / 47-63 VDC. Output voltage: 48 VDC. Protection against overcurrent, overvoltage, short-circuit and overtemperature, with automatic restart.	
100 W For feeding up to a total 90 W. 220x68x38 mm.	M075000
240 W For feeding up to a total 225 W. 244x68x39 mm.	M075100
320 W For feeding up to a total 300 W. 252x90x44 mm.	M076100

IP67

IP20

Control interface For managing groups of Algoritmo System and/or Algoritmo Floor lighting units. Integrated sequencer for stand-alone operation with predefined colour sequence. Possibilty of master-slave configuration. DALI or DMX light management systems are not included.	
IP67. Compactible DALI-Switch Dimm 310x168x90 mm.	M077000
IP67. Compactible DALI-Switch Dimm or DMX. 310x168x90 mm.	M077100
IP20. Compactible DALI-Switch Dimm Suitable for DIN rail mounting. 106x90x70 mm.	M077200
IP20. Compactible DALI-Switch Dimm or DMX. Suitable for DIN rail mounting. 106x90x70 mm.	M077300

* Only for RGB LED

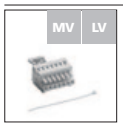
For electrical scheme, please see page 98

Electrical components

	Code
Supplementary through-wiring (optional). To be used in mixed configuration with LV and MV pre-cabled gear trays.	
LV 1184 mm	M198800
LV 2368 mm	M199000
MV 1184 mm	M198700
MV 2368 mm	M198900

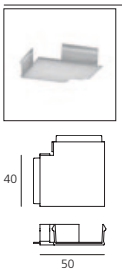
Electrical connector * For coupling wall-surface or floor-recessed LED Algoritmo System modules, powered through the same electrical circuit. * Only for RGB LED	M221900

Feeding Kit Allows for connection of the mains to the first pre-wired gear plate of the initial module.To be used only with recessed and surface installation.	
LV (3xmax 1,5 mm²) For feeding LED RGB trays.	M073230
MV (7xmax 1,5 mm²) For feeding fluorescent modules, white LED plates and accent modules.	M073240



Closure screens for 90° angles

	Code
Junction to be fitted to the module on the same plane Compatible with the junction for the same plane.	
For continuity between wall-washer LED emission modules.	M198200



T16-SLS (G5) — non dimmable

W	Length	Weight	Code
1x54 W	1184 mm	1,10 kg	M204000
2x54 W	2368 mm	2,00 kg	M204200

T16-SLS (G5) — Dali-SwitchDim

W	Length	Weight	Code
1x28-54 W	1184 mm	1,10 kg	M204001
2x28-54 W	2368 mm	2,00 kg	M204201

MV integrated through-cable.

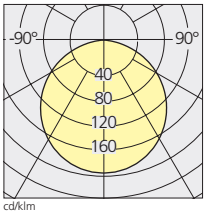
Opal diffuser in PMMA

Length	Weight	Code
1184 mm	0,10 kg	M188100
2368 mm	0,20 kg	M188200
3552 mm	0,30 kg	M203700
4736 mm	0,40 kg	M197800

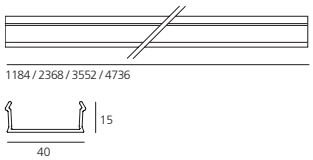
Not suitable for LED version.

T16-SLS (G5) — **28/54 W** 2600/4450 lm

Efficiency **56%**



650°



Dark light optics in metal polycarbonate

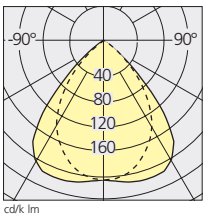
Length	Weight	Code
1184 mm	0,20 kg	M188500
2368 mm	0,40 kg	M188600

T16-SLS (G5) — **28/54 W** 2600/4450 lm

Efficiency **33%**

UGR < 19

2θ/2 = 85°	54 W	28 W
E_0 (h 1m)	916 lux	531 lux
E_0 (h 2m)	229 lux	133 lux

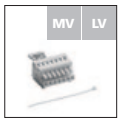


C0 - C180
C90 - C270

960°

Electrical components

		Code
Supplementary through-wiring (optional). To be used in mixed configuration with LV and MV pre-cabled gear trays.		
LV	1184 mm	M198800
LV	2368 mm	M199000

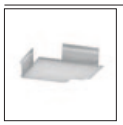


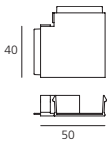
Feeding Kit Allows for connection of the mains to the first pre-wired gear plate of the initial module.To be used only with recessed and surface installation.	
LV (3xmax 1,5 mm²) For feeding LED RGB trays.	M073230
MV (7xmax 1,5 mm²) For feeding fluorescent modules, white LED plates and accent modules.	M073240

Light sources

	Code
T16-SEAMLESS (G5) fluorescent tube 1 piece	
28 W (3000 K)	M004810
28 W (4000 K)	M004815
54 W (3000 K)	M004800
54 W (4000 K)	M004805

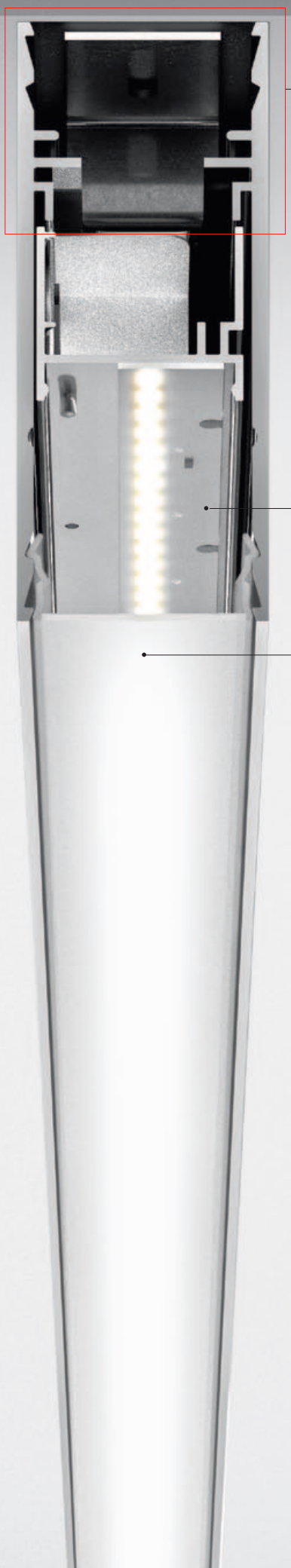
Closure screens for 90° angles





	Code
Junction to be fitted to the module on the same plane Compatible with the junction for the same plane.	
For continuity between Fluo diffused emission modules.	M197900
For continuity between dark light fluo emission, LED emission modules and spot modules.	M198000

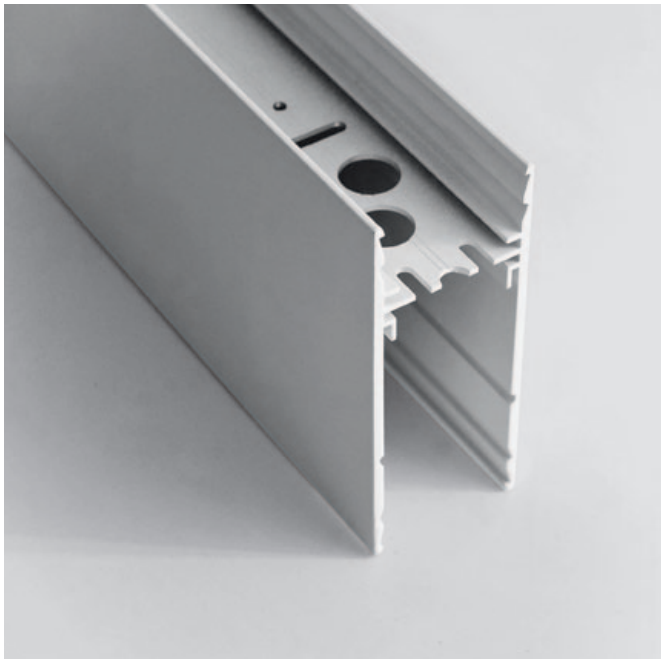
Algoritmo system wall/ceiling/suspension



Hanging version
Detail of indirect flow of the pre-wired gear tray for dual emission.

Algoritmo system wall/ceiling/suspension Components

Structural module +



- Wall-mounted or ceiling-mounted modular system.
- Algoritmo system is particularly flexible; it allows different lighting solutions to be coupled through the same shared electrical system. Fluorescent diffused or dark light version, LED diffused or wall washer in warm (3000 K) or neutral white (4000 K), RGB LED, LED Dark Light, accent lighting.
- Installation in line or at a 90° angle.

  Algoritmo system is composed by:
- Structural modules in extruded aluminium, available in different lengths depending on the installation option and 2 finishes, white or gloss anodized.
- Pre-wired gear trays and quick connectors. Supplementary through-wiring with quick connectors.
- Optical systems: diffusers, dark light grille for fluorescent lights, dark light optics for LED, wall washer optics for LED, 3 LED white monochromatic projectors (PAD, PAD Square, 37 Cube).
- End caps and connectors.
- Feeding cables.
- Fluorescent plates with electronic or 'multiwatt' 28/54 W electronic dimming feeder (Dali-SwitchDim).
- T16-Seamless fluorescent tubes to be purchased separately.
- Compliant with standard EN60598-1 and other specific standards.

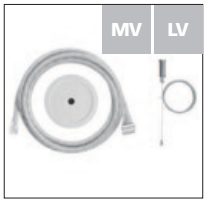
Structural module for wall, ceiling or suspended installation.
End caps, angles, fixing components, electric plates and optics to be ordered separately.

Fixing components +

Wall bracket to connect a suspended module to the wall.

Wall / ceiling fixing bracket.

Suspension cable (no feed).



Suspension kit with feed.

Junction components +

End caps. (set of 2)

Linear connector.

90° angle for the mechanical connection of two recessed modules on one same plane.

90° angle.
For the mechanical connection of 2 modules on two perpendicular planes.

Pre-wired gear plates

Pre-wired gear tray for white LED diffused and wall washer. Direct or direct+indirect. MV through-wiring included.

Pre-wired gear tray for RGB LED diffused. Direct or direct+indirect. LV or LV+MV through-wiring included.

Pre-wired gear tray for fluorescent tubes T16-SLS. Direct or direct+indirect. MV through-wiring included.

+

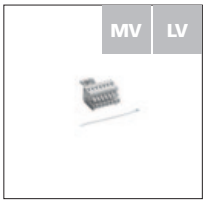
Pre-wired gear tray for white LED dark light emission.
Direct or direct+indirect.
MV through-wiring included.

Pre-wired gear tray
for RGB LED wall washer.
Direct or direct+indirect.
LV or LV+MV through-wiring included.

Pre-wired gear tray
for accent lighting unit.
PAD, PAD square
and 37 Cube to be ordered separately.
MV through-wiring included.

Electrical Components +

Optional through-wiring.
To be used with mixed installations combining LV and MV pre-wired gear trays.

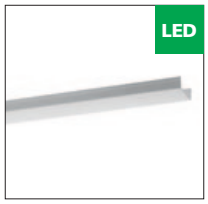


Power supply kit.

Electrical connector*
for coupling Algoritmo LED System (LV) with wall- and floor- recessed modules of Algoritmo Floor (LV), powered through the same shared electrical circuit.

*Only for RGB LED

Optical systems +



Opal polycarbonate
diffuser for white LED
and diffused RGB versions.

Dark Light Optics
for white LED versions.

Polycarbonate optics
for white LED and RGB
wall washer versions.

Dark Light optics
for fluorescent versions.

PMAA opal diffuser
for fluorescent versions.

Junction components +

Junction to be fitted
to the module on the same plan.
Compatible with the junction for the same plane.

2-plane joint to be clipped
to the module.
Compatible with
connectors for 2 modules
on perpendicular planes.

Spotlights +

37 Cube
for Algoritmo System.

PAD
for Algoritmo System.

PAD Square
for Algoritmo System.

Power supplies and control systems

Electronic power supply
IP67.

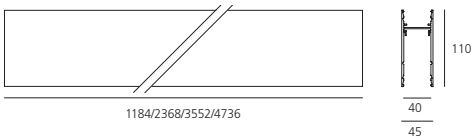
Control interface:
IP20 and IP67.
Allows management
of multiple (LV) Algoritmo System and/or Algoritmo Floor.

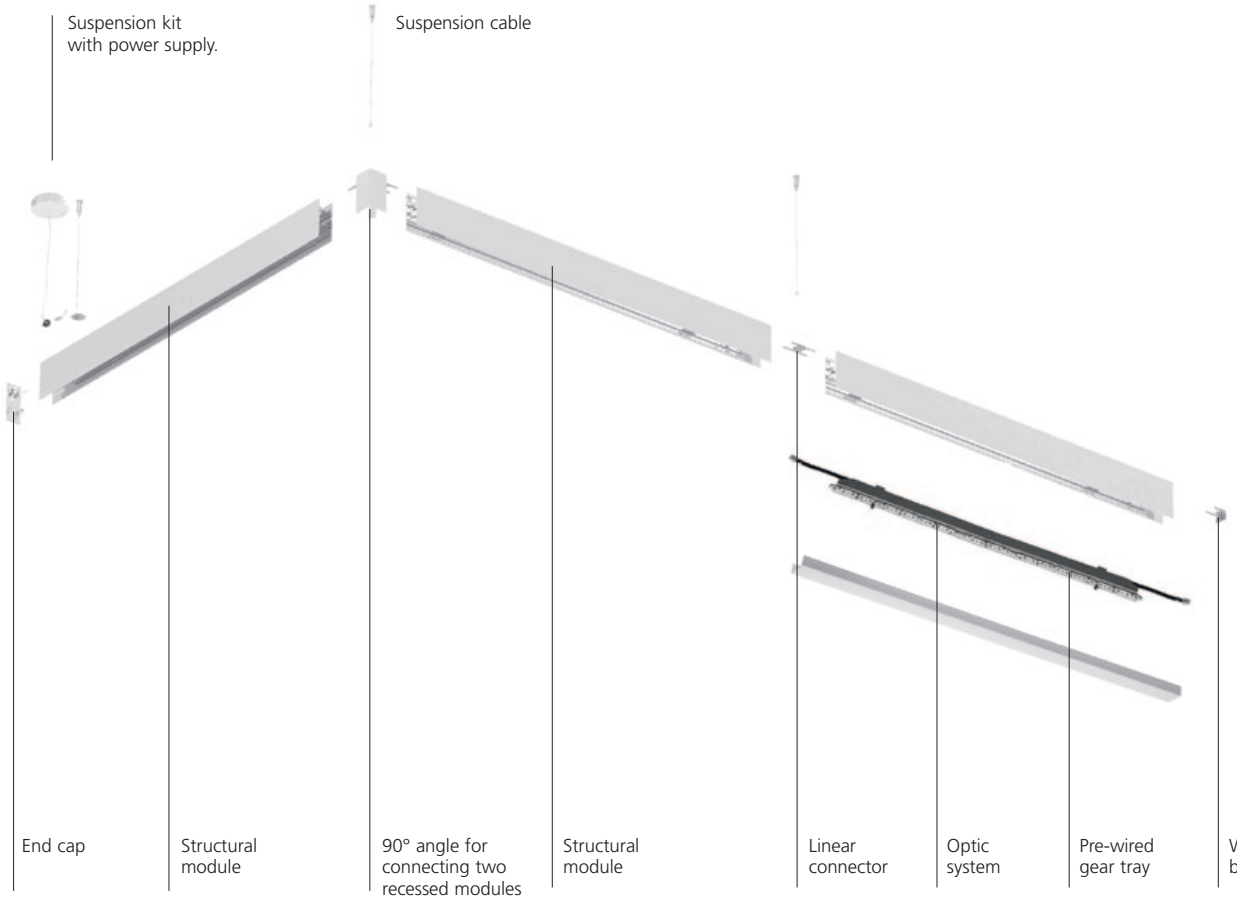
Algoritmo System wall/ceiling/suspension

White ○ Gloss anodized ◑

Structural module

Length	Weight	Color	Code
1184 mm	2,30 kg	○	M205020
		◑	M205060
2368 mm	4,60 kg	○	M205120
		◑	M205160
3552 mm	6,90 kg	○	M206320
		◑	M206360
4736 mm	9,20 kg	○	M199520
		◑	M199560

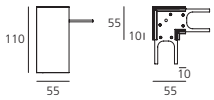


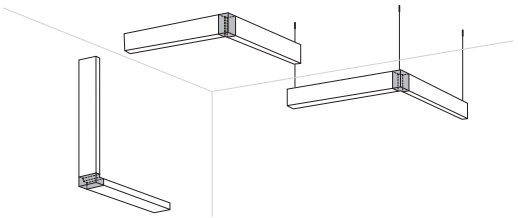


White ○ Gloss anodized ◑

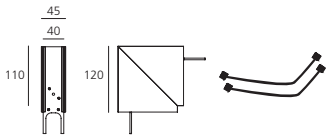
Accessories

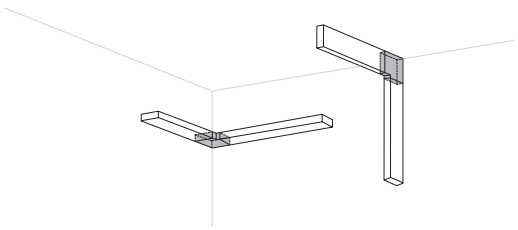
	Color	Code
90° angle For the mechanical connection of two recessed modules on one same plane. 0,30 kg.	○ ◑	M196820 M196860



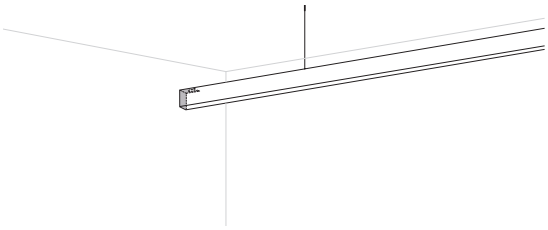


90° angle For the mechanical connection of 2 modules on one same plane. Includes through-wire extensions. 0,60 kg.	○ ◑	M196720 M196760





Wall bracket For the mechanical connection of a wall-mounted module.		M199300



End caps (set of 2)	○ ◑	M188820 M188860
Linear connector		M189000
Bracket for fixing to wall/ceiling (1 piece)		M199400
Steel suspension cable with quick adjustment Length 2 meters		M189100
Suspension kit with power supply. Includes 1 single steel suspension cable + 1 power feed cable Length 2 meters		
LV (3x1,5mm²) For feeding LED modules.		M189200
MV (5x1,5mm²+2x0,5mm²) For feeding fluorescent modules, white LED plates and accent modules.		M189300

Length of a single module	no. pieces required for each module
1184 mm	2
2368 mm	2
3552mm	3
4736mm	4

Applicable also for system installations.

Length of a single module	no. pieces required for each module
1184 mm	2
2368 mm	2
3552mm	2
4736mm	3

Please check on Artemide.com
For continuous system installations with 2+ connected modules.

following pages

Algoritmo System suspension
Atelier Eera - Cavaion veronese (Italy)
Arch.: Alberto Salvadori
Photo: Marco Zanta

Algoritmo System wall/ceiling/suspension LED diffused direct emission

White LED with diffused direct emission

W	Length	Weight	CCT	non dimmable Code	Dali-SwitchDim Code
23 W	1184 mm	1,10 kg	3000 K	M146200	M146201
			4000 K	M146300	M146301
46 W	2368 mm	2,00 kg	3000 K	M146400	M146401
			4000 K	M146500	M146501

MV integrated through-wiring.

RGB LED with diffused direct emission

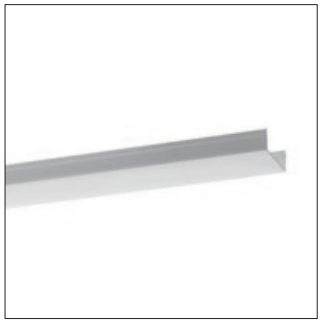
W (LED)	Length	Weight	Code
18 W	1184 mm	1,10 kg	M199600
36 W	2368 mm	2,00 kg	M199700

LV integrated through-wiring.
Power supply and light management system to be ordered separately.

Opal diffuser in polycarbonate

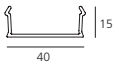
Length	Weight	Code
1184 mm	0,10 kg	M197400
2368 mm	0,20 kg	M186800
3552 mm	0,30 kg	M203800
4736 mm	0,40 kg	M197500

Not suitable for Fluo version.

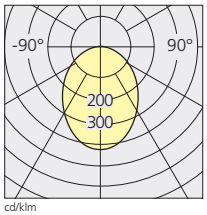


850°

1184 / 2368 / 3552 / 4736



Algoritmo white LED	LED		luminaire		23 W
Power	20 W	20 W	23 W	23 W	
Flux	2440 lm	2600 lm	1220 lm	1300 lm	
CCT	3000 K	4000 K	3000 K	4000 K	
CRI	=80 (typ.)				
Color tolerance	MacAdam 4SDCM				
Service life	L70(6K) > 36000h				
Efficiency			50%	50%	
Efficacy	122 lm/W	130 lm/W	53 lm/W	56 lm/W	



Values related to luminaire body L 1184 mm.

Power supply / light management system for LED*

	Code
Electronic power supply IP67. Input voltage range: 90-264VAC / 47-63 VDC. Output voltage: 48 VDC. Protection against overcurrent, overvoltage, short-circuit and overtemperature, with automatic restart.	
100 W For feeding up to a total 90 W. 220x68x38 mm.	M075000
240 W For feeding up to a total 225 W. 244x68x39 mm.	M075100
320 W For feeding up to a total 300 W. 252x90x44 mm.	M076100
Control interface For managing groups of Algoritmo System and/or Algoritmo Floor lighting units. Integrated sequencer for stand-alone operation with predefined colour sequence. Possibilty of master-slave configuration. DALI or DMX light management systems are not included.	
IP67. Compactible DALI-Switch Dimm 310x168x90 mm.	M077000
IP67. Compactible DALI-Switch Dimm or DMX. 310x168x90 mm.	M077100
IP20. Compactible DALI-Switch Dimm Suitable for DIN rail mounting. 106x90x70 mm.	M077200
IP20. Compactible DALI-Switch Dimm or DMX. Suitable for DIN rail mounting. 106x90x70 mm.	M077300

* Only for RGB LED

For electrical scheme, please see page 98

Electrical components

	Code
Supplementary through-wiring (optional). To be used in mixed configuration with LV and MV pre-cabled gear trays.	
LV 1184 mm	M198800
LV 2368 mm	M199000
MV 1184 mm	M198700
MV 2368 mm	M198900
Electrical connector * For coupling wall-surface or floor-recessed LED Algoritmo System modules, powered through the same electrical circuit. * Only for RGB LED	M221900
Feeding Kit Allows for connection of the mains to the first pre-wired gear plate of the initial module.To be used only with recessed and surface installation.	
LV (3xmax 1,5 mm²) For feeding LED RGB trays.	M073230
MV (7xmax 1,5 mm²) For feeding fluorescent modules, white LED plates and accent modules.	M073240

Closure screens for 90° angles

	Code
Junction to be fitted to the module on the same plane Compatible with the junction for the same plane. For continuity between LED diffused emission modules.	M191000
2-plane joint To be clipped to the module. Compactible with connectors for 2 modules on perpendicular planes. For continuity between LED diffused emission modules.	M198500

Algoritmo System wall/ceiling/suspension white LED dark light direct emission

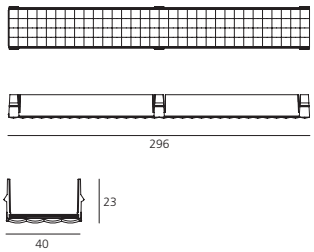
White LED dark light direct emission				non dimmable	Dali-SwitchDim
W)	Length	Weight	CCT	Code	Code
23 W	1184 mm	1,10 kg	3000 K	M195000	M195001
			4000 K	M195100	M195101
46 W	2368 mm	2,00 kg	3000 K	M195200	M195201
			4000 K	M195300	M195301

MV integrated through-cable.

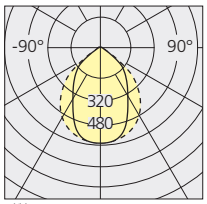
Dark Light optics kit		
Length	Weight	Code
1184 mm	0,20 kg	M186700
2368 mm	0,40 kg	M187300

Not suitable for Fluo version.

850°



Algoritmo white LED	LED		luminaire		23 W
Power	20 W	20 W	23 W	23 W	
Flux	2440 lm	2600 lm	1464 lm	1560 lm	
CCT	3000 K	4000 K	3000 K	4000 K	
CRI	=80 (typ.)				
Color tolerance	MacAdam 4SDCM				
Service life	L70(6K) > 36000h				
Beam			C0-C180 2x34° C90-C270 2x46°	C0-C180 2x34° C90-C270 2x46°	
Efficiency			60%	60%	
Efficacy	122 lm/W	130 lm/W	64 lm/W	68 lm/W	



Values related to luminaire body L 1184 mm.

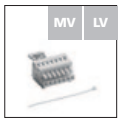
UGR < 19

2θ/2 = 68°	3000 K	4000 K
E_0 (h 1m)	916 lux	976 lux
E_0 (h 2m)	229 lux	244lux

Patent pending (IT) n° MI2013A001711

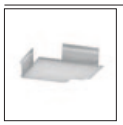
Electrical components

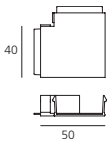
		Code
Supplementary through-wiring (optional). To be used in mixed configuration with LV and MV pre-cabled gear trays.		
LV	1184 mm	M198800
LV	2368 mm	M199000



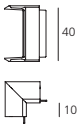
	Code
Feeding Kit Allows for connection of the mains to the first pre-wired gear plate of the initial module.To be used only with recessed and surface installation.	
LV (3xmax 1,5 mm²) For feeding LED RGB trays.	M073230
MV (7xmax 1,5 mm²) For feeding fluorescent modules, white LED plates and accent modules.	M073240

Closure screens for 90° angles





	Code
Junction to be fitted to the module on the same plane Compatible with the junction for the same plane.	
For continuity between dark light fluo emission, LED emission modules and spot modules.	M198000



	Code
2-plane joint To be clipped to the module. Compactible with connectors for 2 modules on perpendicular planes.	
For continuity between dark light fluo emission, LED emission modules and spot modules.	M198400

Algoritmo System wall/ceiling/suspension LED wall washer direct emission

White LED wall washer emission

W	Length	Weight	CCT	non dimmable Code	Dali-SwitchDim Code
23 W	1184 mm	1,10 kg	3000 K	M146200	M146201
			4000 K	M146300	M146301
46 W	2368 mm	2,00 kg	3000 K	M146400	M146401
			4000 K	M146500	M146501

MV integrated through-cable.

RGB LED wall washer emission

W (LED)	Length	Weight	Code
39 W	1184 mm	1,10 kg	M204400
78 W	2368 mm	2,00 kg	M204500

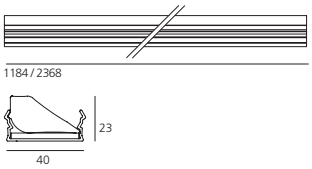
LV integrated through-wiring.
Power supply and light management system to be ordered separately.

Wall washer optics

Length	Weight	Code
1184 mm	0,70 kg	M217300
2368 mm	1,40 kg	M217400

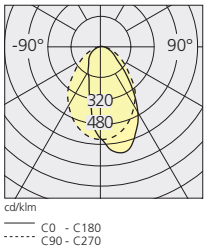
Not suitable for Fluo version.

650°



Algoritmo white LED	LED		luminaire	
Power	20 W	20 W	23 W	23 W
Flux	2440 lm	2600 lm	1684 lm	1794 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (typ.)			
Color tolerance	MacAdam 4SDCM			
Service life	L70(6K) > 36000h			
Efficiency			69%	69%
Efficacy	122 lm/W	130 lm/W	73 lm/W	78 lm/W

23 W



Values related to luminaire body L 1184 mm.

Power supply / light management system for LED*

	Code
Electronic power supply IP67. Input voltage range: 90-264VAC / 47-63 VDC. Output voltage: 48 VDC. Protection against overcurrent, overvoltage, short-circuit and overtemperature, with automatic restart.	
100 W For feeding up to a total 90 W. 220x68x38 mm.	M075000
240 W For feeding up to a total 225 W. 244x68x39 mm.	M075100
320 W For feeding up to a total 300 W. 252x90x44 mm.	M076100
Control interface For managing groups of Algoritmo System and/or Algoritmo Floor lighting units. Integrated sequencer for stand-alone operation with predefined colour sequence. Possibilty of master-slave configuration. DALI or DMX light management systems are not included.	
IP67. Compactible DALI-Switch Dimm 310x168x90 mm.	M077000
IP67. Compactible DALI-Switch Dimm or DMX. 310x168x90 mm.	M077100
IP20. Compactible DALI-Switch Dimm Suitable for DIN rail mounting. 106x90x70 mm.	M077200
IP20. Compactible DALI-Switch Dimm or DMX. Suitable for DIN rail mounting. 106x90x70 mm.	M077300

IP67

IP20

* Only for RGB LED

For electrical scheme, please see page 98

Electrical components

	Code
Supplementary through-wiring (optional). To be used in mixed configuration with LV and MV pre-cabled gear trays.	
LV 1184 mm	M198800
LV 2368 mm	M199000
MV 1184 mm	M198700
MV 2368 mm	M198900
Electrical connector * For coupling wall-surface or floor-recessed LED Algoritmo System modules, powered through the same electrical circuit. * Only for RGB LED	M221900
Feeding Kit Allows for connection of the mains to the first pre-wired gear plate of the initial module.To be used only with recessed and surface installation.	
LV (3xmax 1,5 mm²) For feeding LED RGB trays.	M073230
MV (7xmax 1,5 mm²) For feeding fluorescent modules, white LED plates and accent modules.	M073240

Closure screens for 90° angles

	Code
Junction to be fitted to the module on the same plane Compatible with the junction for the same plane.	
For continuity between wall-washer LED emission modules.	M198200
2-plane joint To be clipped to the module. Compactible with connectors for 2 modules on perpendicular planes.	
For continuity between wall-washer LED emission modules.	M198600

40

50

40

10

T16-SLS (G5) — non dimmable

W	Length	Weight	Code
1x54 W	1184 mm	1,10 kg	M204000
2x54 W	2368 mm	2,00 kg	M204200

T16-SLS (G5) — Dali-SwitchDim

W	Length	Weight	Code
1x28-54 W	1184 mm	1,10 kg	M204001
2x28-54 W	2368 mm	2,00 kg	M204201

MV integrated through-cable.

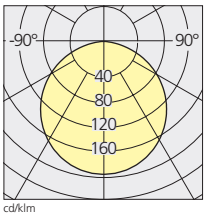
Opal diffuser in PMMA

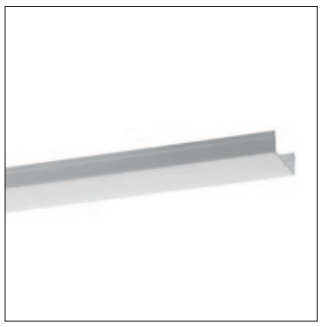
Length	Weight	Code
1184 mm	0,10 kg	M188100
2368 mm	0,20 kg	M188200
3552 mm	0,30 kg	M203700
4736 mm	0,40 kg	M197800

Not suitable for LED version.

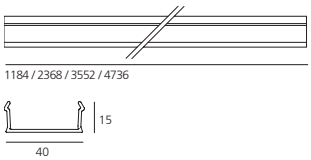
T16-SLS (G5) — **28/54 W** 2600/4450 lm

Efficiency **56%**





650°



Dark light optics in metal polycarbonate

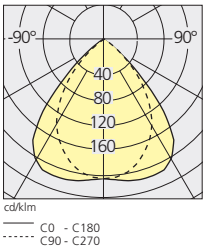
Length	Weight	Code
1184 mm	0,20 kg	M188500
2368 mm	0,40 kg	M188600

T16-SLS (G5) — **28/54 W** 2600/4450 lm

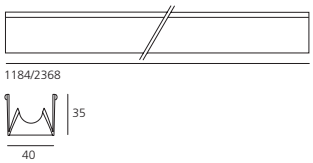
Efficiency **33%**

UGR < 19

2θ/2 = 85°	54 W	28 W
E_0 (h 1m)	916 lux	531 lux
E_0 (h 2m)	229 lux	133 lux

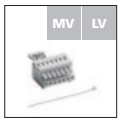


960°



Electrical components

		Code
Supplementary through-wiring (optional). To be used in mixed configuration with LV and MV pre-cabled gear trays.		
LV	1184 mm	M198800
LV	2368 mm	M199000

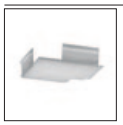


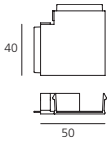
	Code
Feeding Kit Allows for connection of the mains to the first pre-wired gear plate of the initial module.To be used only with recessed and surface installation.	
LV (3xmax 1,5 mm²) For feeding LED RGB trays.	M073230
MV (7xmax 1,5 mm²) For feeding fluorescent modules, white LED plates and accent modules.	M073240

Light sources

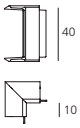
	Code
T16-SEAMLESS fluorescent tube (G5) 1 piece	
28 W (3000 K)	M004810
28 W (4000 K)	M004815
54 W (3000 K)	M004800
54 W (4000 K)	M004805

Closure screens for 90° angles





	Code
Junction to be fitted to the module on the same plane Compatible with the junction for the same plane.	
For continuity between Fluo diffused emission modules.	M197900
For continuity between dark light fluo emission, LED emission modules and spot modules.	M198000



	Code
2-plane joint To be clipped to the module. Compactible with connectors for 2 modules on perpendicular planes.	
For continuity between Fluo diffused emission modules.	M198300
For continuity between dark light fluo emission, LED emission modules and spot modules.	M198400

Algoritmo System suspension white LED diffused direct emission + fluorescent indirect emission

White LED with diffused direct emission + fluo indirect				non dimmable	Dali-SwitchDim*
W	Length	Weight	CCT (LED)	Code	Code
23 W	1184 mm	1,10 kg	3000 K	M151500	M151501
1x39 W (T16 (G5))			4000 K	M151600	M151601
46 W	2368 mm	2,00 kg	3000 K	M151700	M151701
2x39 W (T16 (G5))			4000 K	M151800	M151801

* Only direct emission is dimmable.

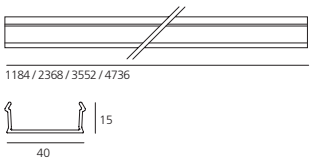
MV integrated through-cable.
Upper screen in PMMA included.

650°

Opal diffuser in polycarbonate		
Length	Weight	Code
1184 mm	0,10 kg	M197400
2368 mm	0,20 kg	M186800
3552 mm	0,30 kg	M203800
4736 mm	0,40 kg	M197500

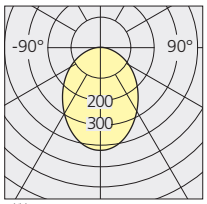
Not suitable for Fluo version.

850°



Algoritmo white LED	direct LED		luminaire	
Power	20 W	20 W	23 W	23 W
Flux	2440 lm	2600 lm	1220 lm	1300 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (typ.)			
Color tolerance	MacAdam 4SDCM			
Service life	L70(6K) > 36000h			
Efficiency			50%	50%
Efficacy	122 lm/W	130 lm/W	53 lm/W	56 lm/W

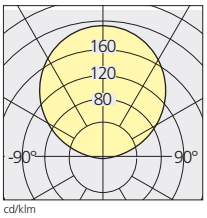
23 W



Indirect T16 (G5)

Efficiency **62%**

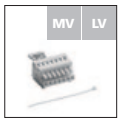
39 W 3100 lm



Values related to luminaire body L 1184 mm.

Electrical components

		Code
Supplementary through-wiring (optional). To be used in mixed configuration with LV and MV pre-cabled gear trays.		
LV	1184 mm	M198800
LV	2368 mm	M199000

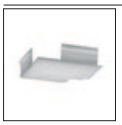


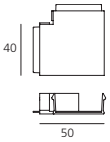
	Code
Feeding Kit Allows for connection of the mains to the first pre-wired gear plate of the initial module.To be used only with recessed and surface installation.	
LV (3xmax 1,5 mm²) For feeding LED RGB trays.	M073230
MV (7xmax 1,5 mm²) For feeding fluorescent modules, white LED plates and accent modules.	M073240

Light sources

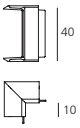
	Code
T16 (G5) fluorescent tube 1 piece	
39 W (3000 K)	M004380
39 W (4000 K)	M004381

Closure screens for 90° angles





	Code
Junction to be fitted to the module on the same plane Compatible with the junction for the same plane.	
For continuity between LED diffused emission modules.	M191000



	Code
2-plane joint To be clipped to the module. Compactible with connectors for 2 modules on perpendicular planes.	
For continuity between LED diffused emission modules.	M198500

Algoritmo System suspension dark light white LED diffused direct emission + fluorescent indirect emission

White LED with diffused direct emission + fluo indirect				non dimmable	Dali-SwitchDim*
W	Length	Weight	CCT (LED)	Code	Code
23 W	1184 mm	1,10 kg	3000 K	M195800	M195801
1x39 W (T16 (G5))			4000 K	M195900	M195901
46 W	2368 mm	2,00 kg	3000 K	M196000	M196001
2x39 W (T16 (G5))			4000 K	M196100	M196101

* Only direct emission is dimmable.

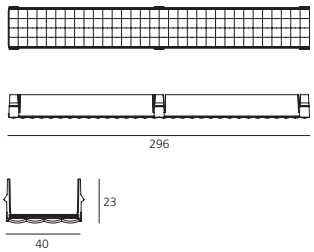
MV integrated through-cable.
Upper screen in PMMA included.

650°

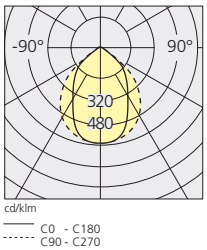
Dark light options kit		
Length	Weight	Code
1184 mm	0,20 kg	M186700
2368 mm	0,40 kg	M187300

Not suitable for Fluo version.

850°



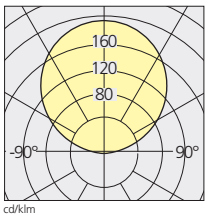
Algoritmo white LED	LED		luminaire		23 W
Power	20 W	20 W	23 W	23 W	
Flux	2440 lm	2600 lm	1464 lm	1560 lm	
CCT	3000 K	4000 K	3000 K	4000 K	
CRI	=80 (typ.)				
Color tolerance	MacAdam 4SDCM				
Service life	L70(6K) > 36000h				
Beam			C0-C180 2x34° C90-C270 2x46°	C0-C180 2x34° C90-C270 2x46°	
Efficiency			60%	60%	
Efficacy	122 lm/W	130 lm/W	64 lm/W	68 lm/W	



UGR < 19

2θ/2 = 68°	3000 K	4000 K
E_0 (h 1m)	916 lux	976 lux
E_0 (h 2m)	229 lux	244lux

Indirect T16 (G5)		39 W	3100 lm
Efficiency	62%		

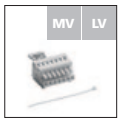


Values related to luminaire body L 1184 mm.

Patent pending (IT) n° MI2013A001711

Electrical components

		Code
Supplementary through-wiring (optional). To be used in mixed configuration with LV and MV pre-cabled gear trays.		
LV	1184 mm	M198800
LV	2368 mm	M199000

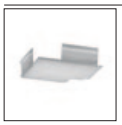


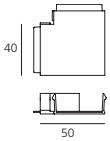
Feeding Kit Allows for connection of the mains to the first pre-wired gear plate of the initial module.To be used only with recessed and surface installation.	
LV (3xmax 1,5 mm²) For feeding LED RGB trays.	M073230
MV (7xmax 1,5 mm²) For feeding fluorescent modules, white LED plates and accent modules.	M073240

Light sources

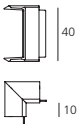
	Code
T16 (G5) fluorescent tube 1 piece	
39 W (3000 K)	M004380
39 W (4000 K)	M004381

Closure screens for 90° angles





	Code
Junction to be fitted to the module on the same plane Compatible with the junction for the same plane.	
For continuity between dark light fluo emission, LED emission modules and spot modules.	M198000



2-plane joint To be clipped to the module. Compactible with connectors for 2 modules on perpendicular planes.	
For continuity between dark light fluo emission, LED emission modules and spot modules.	M198400

Algoritmo System suspension white LED wall washer direct emission + fluorescent indirect emission

White LED wall washer direct emission + fluo indirect emission				non dimmable	Dali-SwitchDim*
W	Length	Weight	CCT (LED)	Code	Code
23 W	1184 mm	1,10 kg	3000 K	M151500	M151501
1x39 W (T16 (G5))			4000 K	M151600	M151601
46 W	2368 mm	2,00 kg	3000 K	M151700	M151701
2x39 W (T16 (G5))			4000 K	M151800	M151801

* Only direct emission is dimmable.

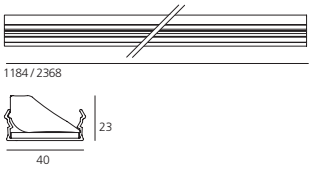
MV integrated through-cable.
Upper screen in PMMA included.

650°

Wall washer optics in polycarbonate		
Length	Weight	Code
1184 mm	0,70 kg	M217300
2368 mm	1,40 kg	M217400

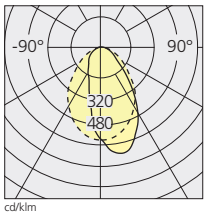
Not suitable for Fluo version.

650°



Algoritmo white LED	direct LED		luminaire	
Power	20 W	20 W	23 W	23 W
Flux	2440 lm	2600 lm	1684 lm	1794 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (typ.)			
Color tolerance	MacAdam 4SDCM			
Service life	L70(6K) > 36000h			
Efficiency			69%	69%
Efficacy	122 lm/W	130 lm/W	73 lm/W	78 lm/W

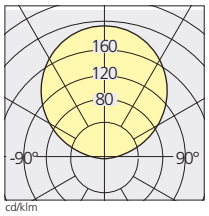
23 W



Indirect T16 (G5)

Efficiency 62%

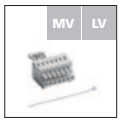
39 W 3100 lm



Values related to luminaire body L 1184 mm.

Electrical components

		Code
Supplementary through-wiring (optional). To be used in mixed configuration with LV and MV pre-cabled gear trays.		
LV	1184 mm	M198800
LV	2368 mm	M199000

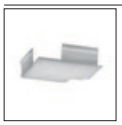


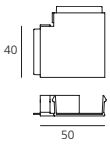
Feeding Kit Allows for connection of the mains to the first pre-wired gear plate of the initial module.To be used only with recessed and surface installation.	
LV (3xmax 1,5 mm²) For feeding LED RGB trays.	M073230
MV (7xmax 1,5 mm²) For feeding fluorescent modules, white LED plates and accent modules.	M073240

Light sources

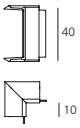
	Code
T16 (G5) fluorescent tube 1 piece	
39 W (3000 K)	M004380
39 W (4000 K)	M004381

Closure screens for 90° angles





	Code
Junction to be fitted to the module on the same plane Compatible with the junction for the same plane.	
For continuity between wall-washer LED emission modules.	M198200



2-plane joint To be clipped to the module. Compactible with connectors for 2 modules on perpendicular planes.	
For continuity between wall-washer LED emission modules.	M198600

RGB LED diffused direct emission + fluorescent indirect

W	Length	Weight	Code
18 W (LED) 1x39 W (T16 (G5))	1184 mm	1,10 kg	M199800
36 W (LED) 2x39 W (T16 (G5))	2368 mm	2,00 kg	M199900

LV+MV through-wiring.
Upper screen in PMMA included.
Power supply and light management system to be ordered separately.

650°

Opal diffuser in polycarbonate

Length	Weight	Code
1184 mm	0,10 kg	M197400
2368 mm	0,20 kg	M186800
3552 mm	0,30 kg	M203800
4736 mm	0,40 kg	M197500

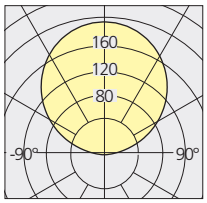
Not suitable for Fluo version.

850°

1184 / 2368 / 3552 / 4736

Indirect T16 (G5) — **39 W** — 3100 lm

Efficiency **62%**



cd/klm

RGB LED wall washer emission + indirect fluo

W	Length	Weight	Code
39 W (LED) 1x39 W (T16 (G5))	1184 mm	1,10 kg	M204600
78 W (LED) 2x39 W (T16 (G5))	2368 mm	2,00 kg	M204700

LV+MV through-wiring.
Upper screen in polycarbonate included.
Power supply and light management system to be ordered separately.

650°

Wall washer optics

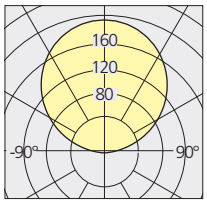
Length	Weight	Code
1184 mm	0,70 kg	M217300
2368 mm	1,40 kg	M217400

Not suitable for Fluo version.

650°

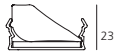
Indirect T16 (G5) — **39 W** — 3100 lm

Efficiency **62%**



cd/klm

1184 / 2368



Power supply/light management system for LED*

	Code
Electronic power supply IP67. Input voltage range: 90-264VAC / 47-63 VDC. Output voltage: 48 VDC. Protection against overcurrent, overvoltage, short-circuit and overtemperature, with automatic restart.	
100 W For feeding up to a total 90 W. 220x68x38 mm.	M075000
240 W For feeding up to a total 225 W. 244x68x39 mm.	M075100
320 W For feeding up to a total 300 W. 252x90x44 mm.	M076100

Control interface **Control interface** For managing groups of Algoritmo System and/or Algoritmo Floor lighting units. Integrated sequencer for stand-alone operation with predefined colour sequence. Possibilty of master-slave configuration. DALI or DMX light management systems are not included.	
IP67. Compactible DALI-Switch Dimm 310x168x90 mm.	M077000
IP67. Compactible DALI-Switch Dimm or DMX. 310x168x90 mm.	M077100
IP20. Compactible DALI-Switch Dimm Suitable for DIN rail mounting. 106x90x70 mm.	M077200
IP20. Compactible DALI-Switch Dimm or DMX. Suitable for DIN rail mounting. 106x90x70 mm.	M077300

For electrical scheme, please see page 98

Electrical components

	Code
Supplementary through-wiring (optional). To be used in mixed configuration with LV and MV pre-cabled gear trays.	
LV 1184 mm	M198800
LV 2368 mm	M199000
MV 1184 mm	M198700
MV 2368 mm	M198900

Electrical connector * For coupling wall-surface or floor-recessed LED Algoritmo System modules, powered through the same electrical circuit. * Only for RGB LED	M221900

Feeding Kit Allows for connection of the mains to the first pre-wired gear plate of the initial module.To be used only with recessed and surface installation.	
LV (3xmax 1,5 mm²) For feeding LED RGB trays.	M073230
MV (7xmax 1,5 mm²) For feeding fluorescent modules, white LED plates and accent modules.	M073240

Closure screens for 90° angles

	Code
Junction to be fitted to the module on the same plane Compatible with the junction for the same plane.	
For continuity between LED diffused emission modules.	M198100
For continuity between wall-washer LED emission modules.	M198200

2-plane joint To be clipped to the module. Compactible with connectors for 2 modules on perpendicular planes.	
For continuity between LED diffused emission modules.	M198500
For continuity between wall-washer LED emission modules.	M198600

Light sources

	Code
T16 (G5) fluorescent tube 1 piece	
39 W (3000 K)	M004380
39 W (4000 K)	M004381

Algoritmo System suspension fluo double diffused emission

T16-SLS (G5) direct emission + **T16** (G5) indirect emission — non dimmable

W	Length	Weight	Code
1x54 W (T16-SLS (G5)) + 1x39 W (T16 (G5))	1184 mm	1,10 kg	M204100
2x54 W (T16-SLS (G5)) + 2x39 W (T16 (G5))	2368 mm	2,00 kg	M204300

650°

T16-SLS (G5) direct emission + **T16** (G5) indirect emission — Dali-SwitchDim*

W	Length	Weight	Code
1x28-54 W (T16-SLS (G5)) + 1x39 W (T16 (G5))	1184 mm	1,10 kg	M204101
2x28-54 W (T16-SLS (G5)) + 2x39 W (T16 (G5))	2368 mm	2,00 kg	M204301

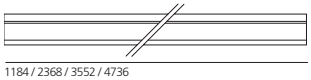
* Only direct emission is dimmable.
MV through-wiring included.
Upper screen in PMMA included.

Opal diffuser in PMMA

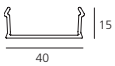
Length	Weight	Code
1184 mm	0,10 kg	M188100
2368 mm	0,20 kg	M188200
3552 mm	0,30 kg	M203700
4736 mm	0,40 kg	M197800

Not suitable for LED version..

650°

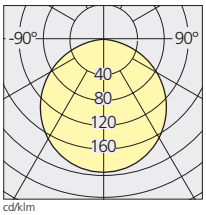


1184 / 2368 / 3552 / 4736



Direct T16-SLS (G5) — **28/54 W** 2600/4450 lm

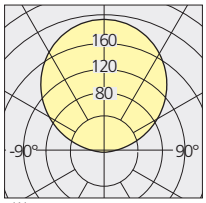
Efficiency 56%



cd/klm

Indirect T16 (G5) — **39 W** 3100 lm

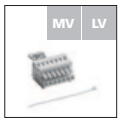
Efficiency 62%



cd/klm

Electrical components

		Code
Supplementary through-wiring (optional). To be used in mixed configuration with LV and MV pre-cabled gear trays.		
LV	1184 mm	M198800
LV	2368 mm	M199000



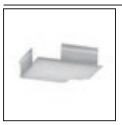
Feeding Kit Allows for connection of the mains to the first pre-wired gear plate of the initial module.To be used only with recessed and surface installation.	
LV (3xmax 1,5 mm²) For feeding LED RGB trays.	M073230
MV (7xmax 1,5 mm²) For feeding fluorescent modules, white LED plates and accent modules.	M073240

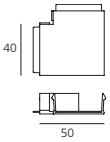
Light sources

	Code
T16-SEAMLESS (G5) fluorescent tube 1 piece	
28 W (3000 K)	M004810
28 W (4000 K)	M004815
54 W (3000 K)	M004800
54 W (4000 K)	M004805

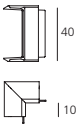
T16 (G5) fluorescent tube 1 piece	
39 W (3000 K)	M004380
39 W (4000 K)	M004381

Closure screens for 90° angles





	Code
Junction to be fitted to the module on the same plane Compatible with the junction for the same plane.	
For continuity between Fluo diffused emission modules.	M197900



2-plane joint To be clipped to the module. Compactible with connectors for 2 modules on perpendicular planes.	
For continuity between Fluo diffused emission modules.	M198300

Algoritmo System suspension dark light fluo direct emission + indirect emission

T16-SLS (G5) direct emission + **T16** (G5) indirect emission — non dimmable

W	Length	Weight	Code
1x54 W (T16-SLS (G5)) + 1x39 W (T16 (G5))	1184 mm	1,10 kg	M204100
2x54 W (T16-SLS (G5)) + 2x39 W (T16 (G5))	2368 mm	2,00 kg	M204300

650°

T16-SLS (G5) direct emission + **T16** (G5) indirect emission — Dali-SwitchDim*

W	Length	Weight	Code
1x28-54 W (T16-SLS (G5)) + 1x39 W (T16 (G5))	1184 mm	1,10 kg	M204101
2x28-54 W (T16-SLS (G5)) + 2x39 W (T16 (G5))	2368 mm	2,00 kg	M204301

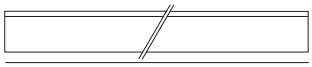
* Only direct emission is dimmable.
MV through-wiring included.
Upper screen in PMMA included.

Dark light optics in metal polycarbonate

Length	Weight	Code
1184 mm	0,20 kg	M188500
2368 mm	0,40 kg	M188600

Not suitable for LED version..

960°



1184/2368

35

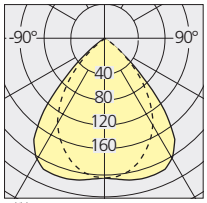
40

T16-SLS (G5) — **28/54 W** 2600/4450 lm

Efficiency **33%**

UGR < 19

2θ/2 = 85°	54 W	28 W
E_0 (h 1m)	916 lux	531 lux
E_0 (h 2m)	229 lux	133 lux

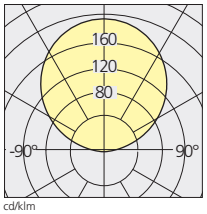


cd/klm

C0 - C180
C90 - C270

Indirect T16 (G5) — **39 W** 3100 lm

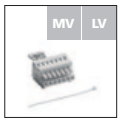
Efficiency **62%**



cd/klm

Electrical components

		Code
Supplementary through-wiring (optional). To be used in configurations when LV pre-cabled plates are mixed with MV pre-cabled plates.		
LV	1184 mm	M198800
LV	2368 mm	M199000



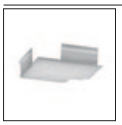
Feeding Kit Allows for connection of the mains to the first pre-wired gear plate of the initial module.To be used only with recessed and surface installation.	
LV (3xmax 1,5 mm²) For feeding LED RGB trays.	M073230
MV (7xmax 1,5 mm²) For feeding fluorescent modules, white LED plates and accent modules.	M073240

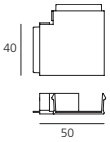
Light sources

	Code
T16-SEAMLESS (G5) fluorescent tube 1 piece	
28 W (3000 K)	M004810
28 W (4000 K)	M004815
54 W (3000 K)	M004800
54 W (4000 K)	M004805

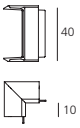
T16 (G5) fluorescent tube 1 piece	
39 W (3000 K)	M004380
39 W (4000 K)	M004381

Closure screens for 90° angles





	Code
Junction to be fitted to the module on the same plane Compatible with the junction for the same plane.	
For continuity between dark light fluo emission, LED emission modules and spot modules.	M198000



2-plane joint To be clipped to the module. Compactible with connectors for 2 modules on perpendicular planes.	
For continuity between dark light fluo emission, LED emission modules and spot modules.	M198400

following pages

Algoritmo System for projectors
Atelier Eera - Cavaion veronese (Italy)
Arch.: Alberto Salvadori
Photo: Marco Zanta

Pre-wired gear tray for direct emission

Length	Weight	Code
1184 mm	1,20 kg	M217800

Allows installation and feeding of 1-4 PAD 230V projectors.
MV through-wiring included.

Pre-wired gear tray for direct + indirect emission

Length	Weight	Code
1184 mm	1,20 kg	M217900

Allows installation and feeding of 1-4 PAD 230V + indirect projectors T16 (G5) 1x39 W.
MV through-wiring included.

650°

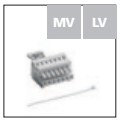
Double emission version, with upper screen in PMMA. PAD projectors to be ordered separately.

PAD projectors to be ordered separately.

Accessories

	Code
Blind panel, in polished metal grey steel. 1 piece required for each PAD empty position.	M217760
Intermediate finishing cap (set of 2), in polished metal grey steel. To be used at the junction of PAD modules with FLUO or LED modules.	M217660

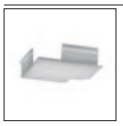
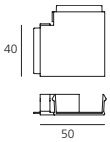
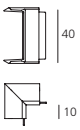
Electrical components

		Code
LV	**Supplementary through-wiring** (optional). To be used in mixed configuration with LV and MV pre-cabled gear trays.	
	LV 1184 mm	M198800
	LV 2368 mm	M199000
 MV LV	**Feeding Kit** Allows for connection of the mains to the first pre-wired gear plate of the initial module.To be used only with recessed and surface installation.	
	LV (3xmax 1,5 mm²) For feeding LED RGB trays.	M073230
	MV (7xmax 1,5 mm²) For feeding fluorescent modules, white LED plates and accent modules.	M073240

Light sources

	Code
T16 (G5) fluorescent tube 1 piece	
39 W (3000 K)	M004380
39 W (4000 K)	M004381

Closure screens for 90° angles

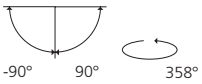
	Code
 **Junction to be fitted to the module on the same plane** Compatible with the junction for the same plane. For continuity between dark light fluo emission, LED emission modules and spot modules. 	M198000
2-plane joint To be clipped to the module. Compactible with connectors for 2 modules on perpendicular planes. For continuity between dark light fluo emission, LED emission modules and spot modules. 	M198400

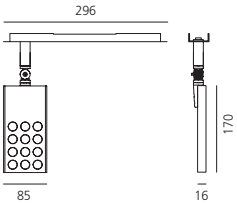
Gloss anodized

LED						non dimmable
W	Weight	Beam	Flux	CCT	Color	Code
13 W	0,53 kg	2x6°	710 lm	3000 K		M200002
			760 lm	4000 K		M200102
		2x12°	710 lm	3000 K		M200202
			760 lm	4000 K		M200302
		2x19°	710 lm	3000 K		M200402
			760 lm	4000 K		M200502

To be coupled with pre-wired gear plate.

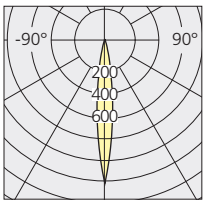
IP40
650°





Pad 2x6°

	LED		luminaire	
Power	10,5 W	10,5 W	13 W	13 W
Flux	835 lm	893 lm	710 lm	760 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (typ.)			
Color tolerance	MacAdam 4SDCM			
Service life	L70(6K) > 36000h			
Beam			2x6°	2x6°
Efficiency			85%	85%
Efficacy	80 lm/W	85 lm/W	55 lm/W	58 lm/W

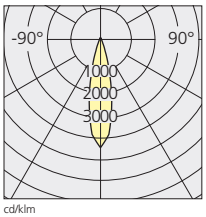


cd/klm

3000 K		α=2x6°		4000 K		α=2x6°	
H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
1	0,22	8476	4191	1	0,22	9073	4487
2	0,43	2119	1048	2	0,43	2268	1122
3	0,65	942	466	3	0,65	1008	499
4	0,87	530	262	4	0,87	567	280
5	1,09	339	168	5	1,09	363	179

Pad 2x12°

	LED		luminaire	
Power	10,5 W	10,5 W	13 W	13 W
Flux	835 lm	893 lm	710 lm	760 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (typ.)			
Color tolerance	MacAdam 4SDCM			
Service life	L70(6K) > 36000h			
Beam			2x12°	2x12°
Efficiency			85%	85%
Efficacy	80 lm/W	85 lm/W	55 lm/W	58 m/W

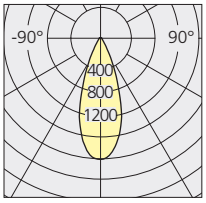


cd/klm

3000 K		α=2x12°		4000 K		α=2x12°	
H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
1	0,41	3097	1471	1	0,41	3313	1574
2	0,81	774	368	2	0,81	828	393
3	1,22	344	163	3	1,22	368	175
4	1,63	194	92	4	1,63	207	98
5	2,03	124	59	5	2,03	133	63

Pad 2x19°

	LED		luminaire	
Power	10,5 W	10,5 W	13 W	13 W
Flux	835 lm	893 lm	710 lm	760 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (typ.)			
Color tolerance	MacAdam 4SDCM			
Service life	L70(6K) > 36000h			
Beam			2x19°	2x19°
Efficiency			85%	85%
Efficacy	80 lm/W	85 lm/W	54 lm/W	58 m/W



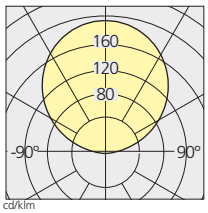
cd/klm

3000 K		α=2x19°		4000 K		α=2x19°	
H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
1	0,68	1428	609	1	0,68	3055	1592
2	1,37	357	152	2	1,37	764	382
3	2,05	159	68	3	2,05	339	170
4	2,74	89	38	4	2,74	191	96
5	3,42	57	24	5	3,42	122	61

Indirect T16 (G5)

Efficiency 62%

39 W 3100lm



cd/klm

Pre-wired gear tray for direct emission

Length	Weight	Code
1184 mm	1,20 kg	M217800

Allows installation and feeding of 1-4 PAD 230V projectors.
MV through-wiring included.

Pre-wired gear tray for direct + indirect emission

Length	Weight	Code
1184 mm	1,20 kg	M217900

Allows installation and feeding of 1-4 PAD 230V + indirect projectors
T16 (G5) 1x39 W.
MV through-wiring included.

650°

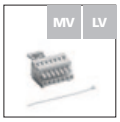
Double emission version,
with upper screen in PMMA.
PAD projectors
to be ordered separately.

PAD projectors
to be ordered separately.

Accessories

	Code
Blind panel, in polished metal grey steel. 1 piece required for each PAD Square empty position.	M217760
Intermediate finishing cap (set of 2), in polished metal grey steel. To be used at the junction of PAD Square modules with FLUO or LED modules.	M217660

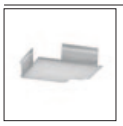
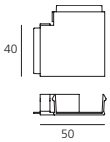
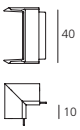
Electrical components

		Code
Supplementary through-wiring (optional). To be used in mixed configuration with LV and MV pre-cabled gear trays.		
LV	1184 mm	M198800
LV	2368 mm	M199000
 **Feeding Kit** Allows for connection of the mains to the first pre-wired gear plate of the initial module.To be used only with recessed and surface installation.		
LV (3xmax 1,5 mm²) For feeding LED RGB trays.		M073230
MV (7xmax 1,5 mm²) For feeding fluorescent modules, white LED plates and accent modules.		M073240

Light sources

	Code
T16 (G5) fluorescent tube 1 piece	
39 W (3000 K)	M004380
39 W (4000 K)	M004381

Closure screens for 90° angles

	Code
 **Junction to be fitted to the module on the same plane** Compatible with the junction for the same plane. For continuity between dark light fluo emission, LED emission modules and spot modules. 	M198000
2-plane joint To be clipped to the module. Compactible with connectors for 2 modules on perpendicular planes. For continuity between dark light fluo emission, LED emission modules and spot modules. 	M198400

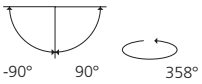
Gloss anodized

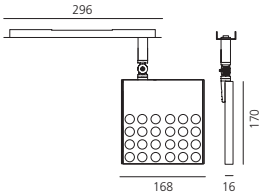
LED						non dimmable
W	weight	beam	flux	CCT	color	Code
26 W	0,76 kg	2x6°	1420 lm	3000 K		M201502
			1520 lm	4000 K		M201602
		2x12°	1420 lm	3000 K		M201702
			1520 lm	4000 K		M201802
		2x19°	1420 lm	3000 K		M201902
			1520 lm	4000 K		M202002

To be coupled with pre-wired gear plate.

IP40

650°

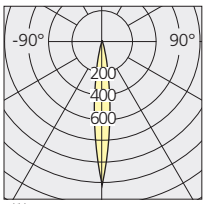




Pad Square 2x6°

	LED		luminaire	
Power	21 W	21 W	26 W	26 W
Flux	1670 lm	1787 lm	1420 lm	1520 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (typ.)			
Color tolerance	MacAdam 4SDCM			
Service life	L70(6K) > 36000h			
Beam			2x6°	2x6°
Efficiency			85%	85%
Efficacy	80 lm/W	85 lm/W	55 lm/W	58 lm/W

26 W



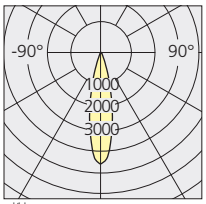
cd/klm

	3000 K			α=2x6°	4000 K			α=2x6°
	H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
1	0,22		16952	8383	1	0,22	18145	8973
2	0,43		4238	2096	2	0,43	4536	2243
3	0,65		1884	931	3	0,65	2016	997
4	0,87		1059	524	4	0,87	1134	561
5	1,09		678	335	5	1,09	726	359

Pad Square 2x12°

	LED		luminaire	
Power	21 W	21 W	26 W	26 W
Flux	1670 lm	1787 lm	1420 lm	1520 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (typ.)			
Color tolerance	MacAdam 4SDCM			
Service life	L70(6K) > 36000h			
Beam			2x12°	2x12°
Efficiency			85%	85%
Efficacy	80 lm/W	85 lm/W	55 lm/W	58 lm/W

26 W



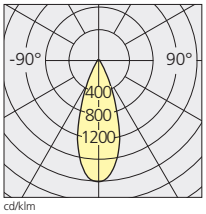
cd/klm

	3000 K			α=2x12°	4000 K			α=2x12°
	H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
1	0,41		6193	2942	1	0,41	6626	3147
2	0,81		1548	753	2	0,81	1657	787
3	1,22		688	327	3	1,22	736	350
4	1,63		387	184	4	1,63	414	197
5	2,03		248	118	5	2,03	265	126

Pad Square 2x19°

	LED		luminaire	
Power	21 W	21 W	26 W	26 W
Flux	1670 lm	1787 lm	1420 lm	1520 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (typ.)			
Color tolerance	MacAdam 4SDCM			
Service life	L70(6K) > 36000h			
Beam			2x19°	2x19°
Efficiency			85%	85%
Efficacy	80 lm/W	85 lm/W	55 lm/W	58 lm/W

26 W



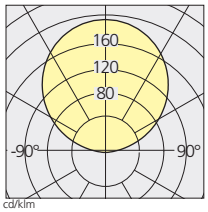
cd/klm

	3000 K			α=2x19°	4000 K			α=2x19°
	H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
1	0,68		2855	1218	1	0,68	3055	1303
2	1,37		714	304	2	1,37	764	326
3	2,05		317	135	3	2,05	339	145
4	2,74		178	76	4	2,74	191	81
5	3,42		114	49	5	3,42	122	52

Indirect T16 (G5)

Efficiency 62%

39 W 3100lm



cd/klm

Pre-wired gear tray for direct emission

Length	Weight	Code
1184 mm	1,20 kg	M219600

Allows installation and feeding of 37 Cube, 1- max 2 groups of 3x projectors each. (max 6 projectors in total).
MV through-wiring included.

Pre-wired gear tray for direct + indirect emission

Length	Weight	Code
1184 mm	1,20 kg	M219700

Allows installation and feeding of 37 Cube, 1- max 2 groups of 3x projectors each. (max 6 projectors in total), + Indirect T16 (G5) 1x 39 W.
MV through-wiring included.

650°

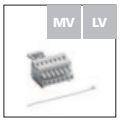
Double emission version, with upper screen in PMMA. PAD projectors to be ordered separately.

37 Cube projectors to be ordered separately.

Accessories

	Code
Blind panel, in polished metal grey steel. Length 591mm. 1 piece required for each 37 Cube empty position.	M217560
Intermediate finishing cap (set of 2), in polished metal grey steel. To be used at the junction of 37 Cube modules with FLUO or LED modules.	M217660

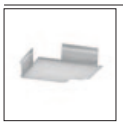
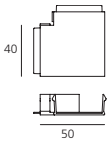
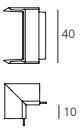
Electrical components

	Code
LV **Supplementary through-wiring** (optional). To be used in mixed configuration with LV and MV pre-cabled gear trays.	
LV 1184 mm	M198800
LV 2368 mm	M199000
 MV LV **Feeding Kit** Allows for connection of the mains to the first pre-wired gear plate of the initial module.To be used only with recessed and surface installation.	
LV (3xmax 1,5 mm²) For feeding LED RGB trays.	M073230
MV (7xmax 1,5 mm²) For feeding fluorescent modules, white LED plates and accent modules.	M073240

Light sources

	Code
T16 (G5) fluorescent tube 1 piece	
39 W (3000 K)	M004380
39 W (4000 K)	M004381

Closure screens for 90° angles

	Code
 **Junction to be fitted to the module on the same plane** Compatible with the junction for the same plane. For continuity between dark light fluo emission, LED emission modules and spot modules. 	M198000
2-plane joint To be clipped to the module. Compactible with connectors for 2 modules on perpendicular planes. For continuity between dark light fluo emission, LED emission modules and spot modules. 	M198400

following pages

Algoritmo Floor
Steelcase headquarters and showroom
Madrid (Spain)
Arch.: John Small
architect and director of design
for Steelcase International
Photo: Juanjo Fernàndez

Gloss anodized

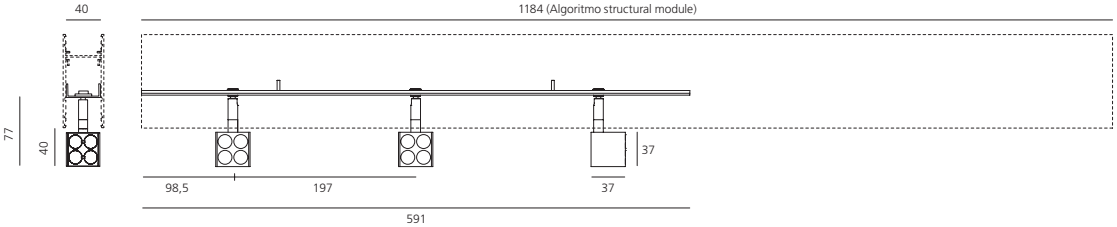
LED | non dimmable

W Led	Weight	Beam	Flux	CCT	Color	Code
3x6,5 W	0,47 kg	2x7°	3x470 lm	3000 K		M029100
			3x520 lm	4000 K		M029400
		2x9°	3x470 lm	3000 K		M029200
			3x520 lm	4000 K		M029500
		2x14°	3x470 lm	3000 K		M029300
			3x520 lm	4000 K		M029600

To be coupled with pre-wired gear plate.

IP20

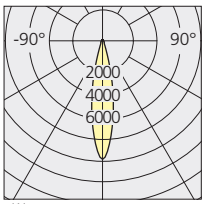
650°



37 Cube 2x7°

	LED		luminaire	
Power	6,5 W	6,5 W	6,5 W	6,5 W
Flux	550 lm	610 lm	470 lm	520 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (typ.)			
Color tolerance	MacAdam 4SDCM			
Service life	L70(6K) > 36000h			
Beam			2x7°	2x7°
Efficiency			85%	85%
Efficacy	86 lm/W	95 lm/W	59 lm/W	65 lm/W

6,5 W

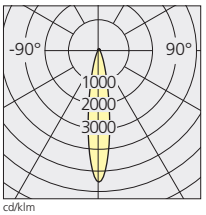


3000 K α=2x7°				4000 K α=2x7°			
H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
1	0,24	4590	2261	1	0,24	5078	2502
2	0,48	1147	565	2	0,48	1269	625
3	0,72	510	251	3	0,72	564	278
4	0,95	287	141	4	0,95	317	156
5	1,19	184	90	5	1,19	203	100

37 Cube 2x9°

	LED		luminaire	
Power	6,5 W	6,5 W	6,5 W	6,5 W
Flux	550 lm	610 lm	470 lm	520 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (typ.)			
Color tolerance	MacAdam 4SDCM			
Service life	L70(6K) > 36000h			
Beam			2x9°	2x9°
Efficiency			85%	85%
Efficacy	86 lm/W	95 lm/W	59 lm/W	65 lm/W

6,5 W

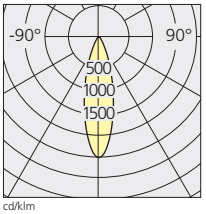


3000 K α=2x9°				4000 K α=2x9°			
H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
1	0,32	2482	1197	1	0,32	2746	1324
2	0,64	620	299	2	0,64	686	331
3	0,96	276	133	3	0,96	305	147
4	1,28	155	75	4	1,28	172	83
5	1,60	99	48	5	1,60	110	53

37 Cube 2x14°

	LED		luminaire	
Power	6,5 W	6,5 W	6,5 W	6,5 W
Flux	550 lm	520 lm	470 lm	520 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (typ.)			
Color tolerance	MacAdam 4SDCM			
Service life	L70(6K) > 36000h			
Beam			2x14°	2x14°
Efficiency			85%	85%
Efficacy	86 lm/W	95 lm/W	59 lm/W	65 lm/W

6,5 W

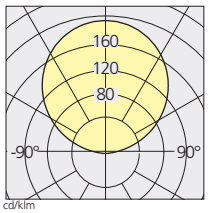


3000 K α=2x14°				4000 K α=2x14°			
H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
1	0,51	1199	550	1	0,51	1326	609
2	1,01	300	138	2	1,01	332	152
3	1,52	133	61	3	1,52	147	68
4	2,02	75	34	4	2,02	83	38
5	2,53	48	22	5	2,53	53	24

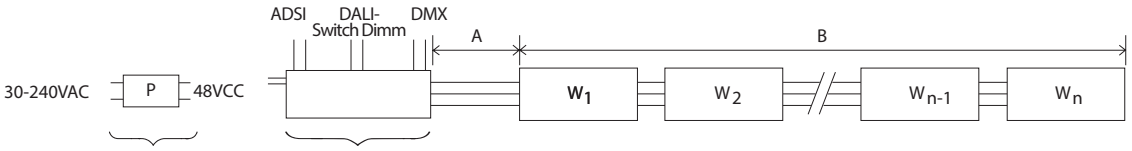
Indirect T16 (G5)

Efficiency 62%

39 W 3100 lm



Stand-alone 1 *



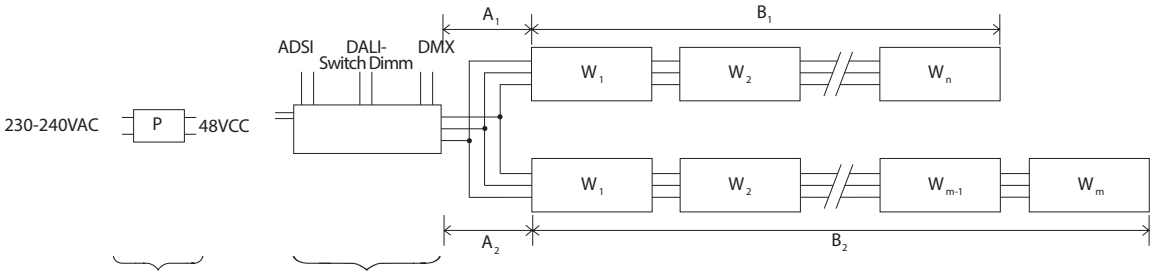
∑W < 0,8P
2A + B < 50m
n < 24 units

Power supply unit
M075000 (P=100 W)
M075100 (P=240 W)
M076100 (P=320 W)

Control interface
M077200 / M077000
(Dali-SwitchDim)
M077300 / M077100
(Dali-SwitchDim or DMX)

LED fitting LED fitting LED fitting LED fitting

Stand-alone 2 *



∑W < 0,8P
2(A1+A2)
+ B1 + B2 < 50m
n+m < 24 units

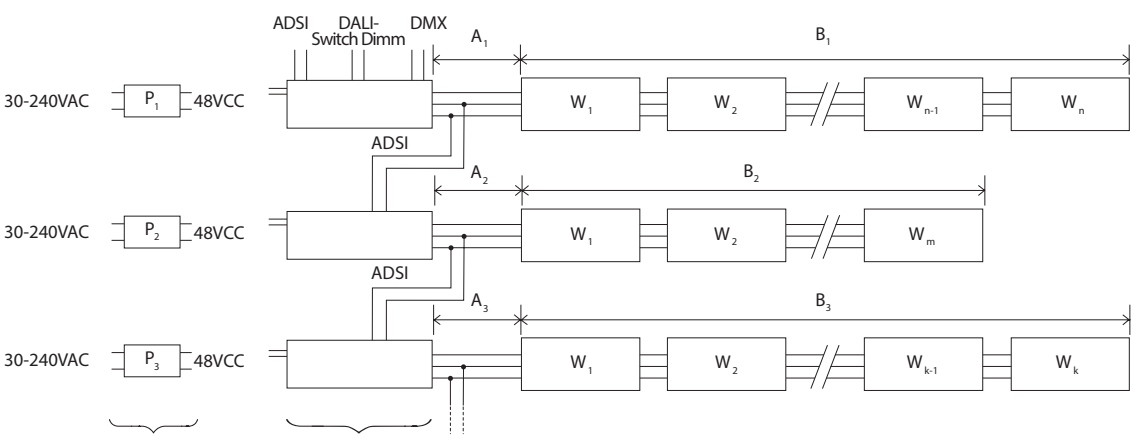
Power supply unit
M075000 (P=100 W)
M075100 (P=240 W)
M076100 (P=320 W)

Control interface
M077200 / M077000
(Dali-SwitchDim)
M077300 / M077100
(Dali-SwitchDim or DMX)

LED fitting LED fitting LED fitting LED fitting

* Maximum values.
For lighting design, please see data from the control interface manual.

Master-slave *



∑W < 0,8P1
2A1+ B1 < 50m
n < 24 units

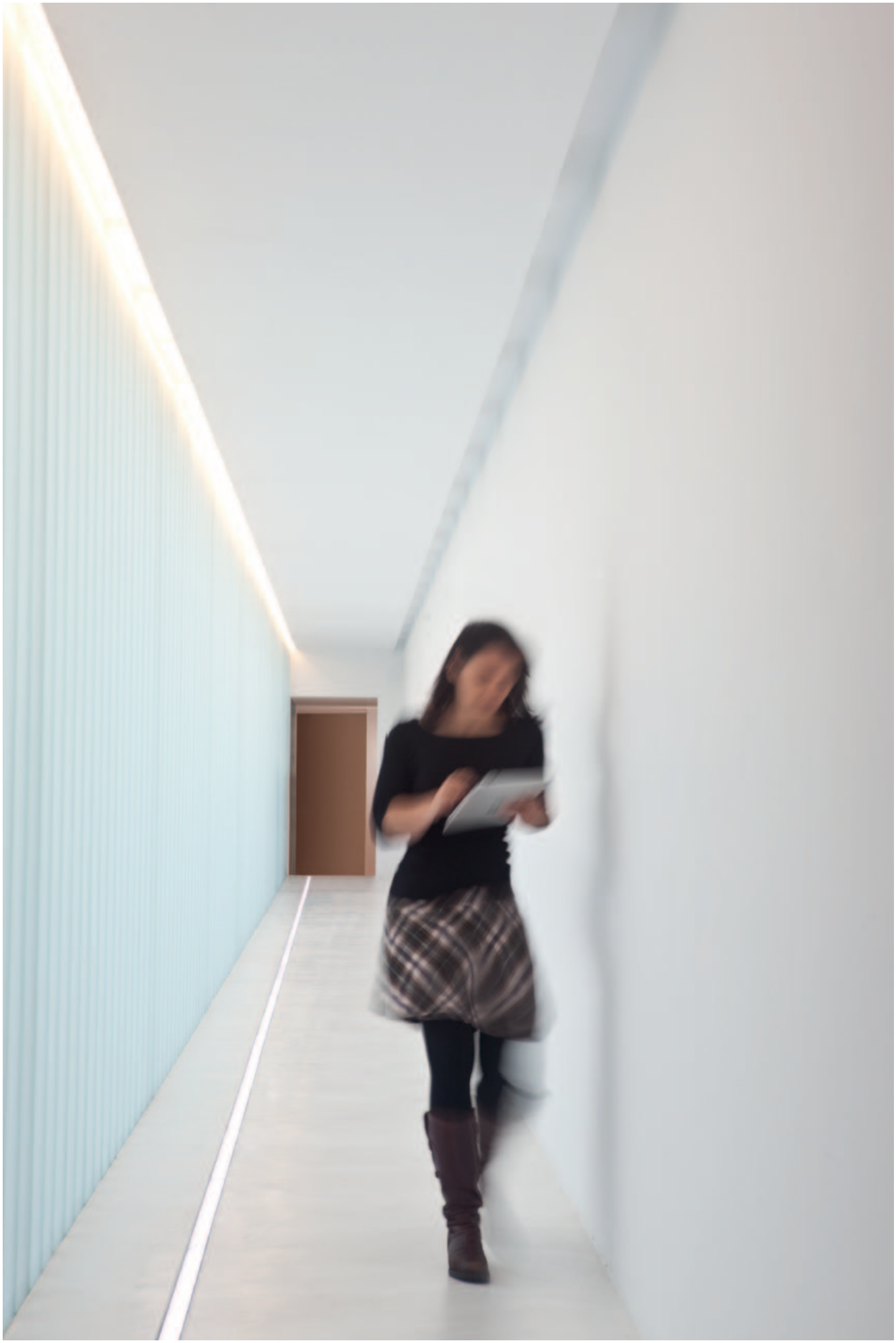
∑W < 0,8P2
2A2+ B2 < 50m
m < 24 units

∑W < 0,8P3
2A3+ B3< 50m
k < 24 units

Power supply unit
M075000 (P=100 W)
M075100 (P=240 W)
M076100 (P=320 W)

Control interface
M077200 / M077000
(Dali-SwitchDim)
M077300 / M077100
(Dali-SwitchDim or DMX)

LED fitting LED fitting LED fitting LED fitting



Algoritmo
Stand alone

Carlotta de Bevilacqua
Paola di Arianello

2010

- Series of single units, preconfigured and complete for suspension-mounting, wall-mounting and ceiling-mounting.
- Body in extruded aluminium, painted white or gloss anodized.
  Two lengths available: 1188 mm and 2372mm.
- T16-seamless fluorescent version with opal diffuser or dark light optic. Power supply: electronic or dimmable electronic with 'multiwatt' control gear 28/54 W DALI/SwitchDim.
- LED version direct emission, diffused or dark light: LED monochromatic warm white (3000 K) and neutral white (4000 K), or RGB LED (only diffused).
- Power supply and light management system included, non dimmable or Dali-SwitchDim.
- Suspended version direct or double emission (indirect fluo).
- Luminaires come complete with end caps, fixing brackets or suspension cables and optics.
- T16-Seamless tubes to be ordered separately.
- Compliant with standard EN60598-1 and other specific standards.

Algoritmo Stand-alone white LED suspension diffused emission

White ○ Gloss anodized ◑

Direct emission

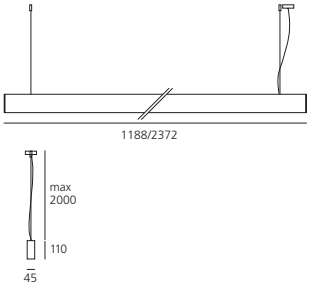
LED White						non dimmable	Dali-SwitchDim
W	Length	Weight	Flux	CCT	Color	Code	Code
23 W	1188 mm	3,80 kg	1220 lm	3000 K	○	M146620	M146621
					◑	M146660	M146661
	1188 mm	3,80 kg	1300 lm	4000 K	○	M146720	M146721
					◑	M146760	M146761
46 W	2372 mm	7,10 kg	2440 lm	3000 K	○	M147920	M147921
					◑	M147960	M147961
	2372 mm	7,10 kg	2600 lm	4000 K	○	M148020	M148021
					◑	M148060	M148061

Direct + Indirect emission

LED White + fluo					non dimmable	Dali-SwitchDim*
W	Length	Weight	CCT (LED)	Color	Code	Code
23 W	1188 mm	4,00 kg	3000 K	○	M146820	M146821
1x39 W (T16 (G5))				◑	M146860	M146861
	1188 mm	4,00 kg	4000 K	○	M146920	M146921
				◑	M146960	M146961
46 W	2372 mm	7,30 kg	3000 K	○	M148120	M148121
2x39 W (T16 (G5))				◑	M148160	M148161
	2372 mm	7,30 kg	4000 K	○	M148220	M148221
				◑	M148260	M148261

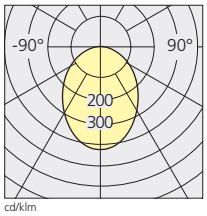
* Only direct emission is dimmable.
Upper screen in PMMA included.

IP20 ⏚ 850° (direct)
650° (direct+indirect)



Algoritmo white LED	direct LED		luminaire	
Power	20 W	20 W	23 W	23 W
Flux	2440 lm	2600 lm	1220 lm	1300 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (typ.)			
Color tolerance	MacAdam 4SDCM			
Service life	L70(6K) > 36000h			
Beam				
Efficiency			50%	50%
Efficacy	122 lm/W	130 lm/W	53 lm/W	56 lm/W

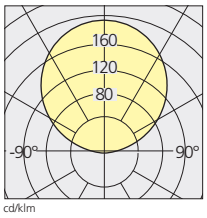
23 W



Indirect T16 (G5)

39 W 3100 lm

Efficiency 62%



Values related to luminaire body L 1188 mm.

Light sources

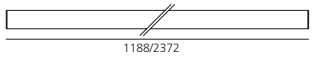
		Code
	T16 (G5) fluorescent tube 1 piece	
	39 W (3000 K)	M004380
	39 W (4000 K)	M004381

Algoritmo Stand-Alone wall/ceiling white LED diffused emission

White ○ Gloss anodized ◑

LED White						non dimmable	Dali-SwitchDim
W	Length	Weight	Flux	CCT	Color	Code	Code
23 W	1188 mm	3,80 kg	1220 lm	3000 K	○	M148320	M148321
					◑	M148360	M148361
	1188 mm	3,80 kg	1300 lm	4000 K	○	M148420	M148421
					◑	M148460	M148461
46 W	2372 mm	7,10 kg	2440 lm	3000 K	○	M149620	M149621
					◑	M149660	M149661
	2372 mm	7,10 kg	2600 lm	4000 K	○	M149720	M149721
					◑	M149760	M149761

IP20 ⏚ 850°



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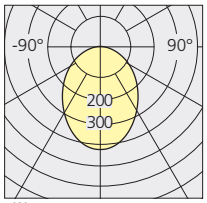
Algoritmo white LED	direct LED		luminaire		23 W
Power	20 W	20 W	23 W	23 W	
Flux	2440 lm	2600 lm	1220 lm	1300 lm	
CCT	3000 K	4000 K	3000 K	4000 K	
CRI	=80 (typ.)				
Color tolerance	MacAdam 4SDCM				
Service life	L70(6K) > 36000h				
Beam					
Efficiency			50%	50%	
Efficacy	122 lm/W	130 lm/W	53 lm/W	56 lm/W	



cd/klm

Values related to luminaire body L 1188 mm.

Algoritmo Stand-alone suspension RGB LED diffused emission

White ○ Gloss anodized ◑

Direct emission

LED RGB — Dali dimmable

W	Length	Weight	Color	Code
21 W	1188 mm	3,80 kg	○	M207420
			◑	M207460
42 W	2372 mm	7,10 kg	○	M207520
			◑	M207560

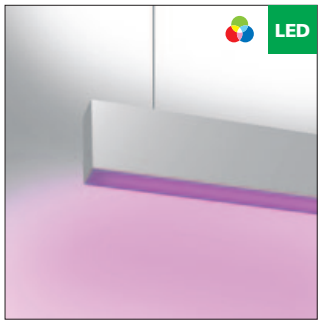
Uses 3 dali addresses .

Direct + Indirect emission

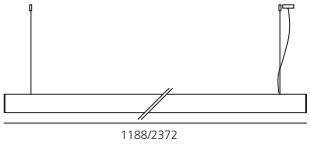
LED RGB — Dali dimmable*

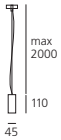
W	Length	Weight	Color	Code
21 W	1188 mm	4,00 kg	○	M207620
1x39 W (T16 (G5))			◑	M207660
42 W	2372 mm	7,30 kg	○	M207720
1x39 W (T16 (G5))			◑	M207760

*Only direct emission is dimmable.
Uses 3 dali addresses .
Upper screen in PMMA included.



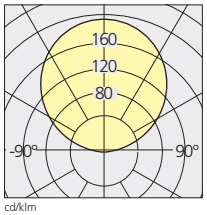
IP20 ⏚ 850° (direct)
650° (direct+indirect)





Indirect T16 (G5) — **39 W** 3100 lm

Efficiency 62%



Light sources

		Code
	T16 (G5) fluorescent tube 1 piece	
	39 W (3000 K)	M004380
	39 W (4000 K)	M004381

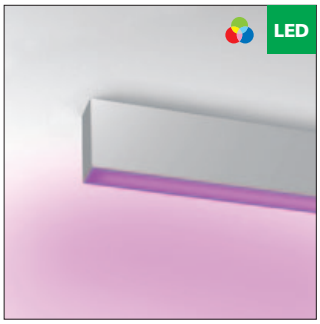
Algoritmo Stand-alone wall/ceiling RGB LED direct emission

White ○ Gloss anodized ◑

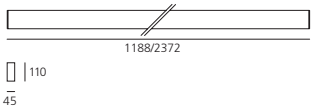
LED RGB

W	Length	Weight	Color	Dali dimmable Code
21 W	1188 mm	3,80 kg	○	M207820
			◑	M207860
42 W	2372 mm	7,10 kg	○	M207920
			◑	M207960

Uses 3 dali addresses .



IP20 ⏚ 850°



Algoritmo Stand-alone suspension white LED dark light emission

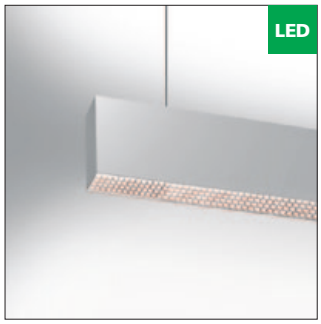
Patent pending (IT) n° MI2013A001711

White ○ Gloss anodized ◑

Direct emission

LED White

W	Length	Weight	Flux	CCT	Color	non dimmable Code	Dali-SwitchDim Code
23 W	1188 mm	3,80 kg	1464 lm	3000 K	○	M190020	M190021
					◑	M190060	M190061
	1188 mm	3,80 kg	1560 lm	4000 K	○	M190120	M190121
					◑	M190160	M190161
46 W	2372 mm	7,10 kg	2928 lm	3000 K	○	M190720	M190721
					◑	M190760	M190761
	2372 mm	7,10 kg	3120 lm	4000 K	○	M190820	M190821
					◑	M190860	M190861



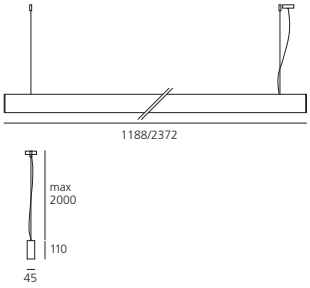
Direct + Indirect emission

LED White + fluo

W	Length	Weight	CCT (LED)	Color	non dimmable Code	Dali-SwitchDim* Code
23 W	1188 mm	4,00 kg	3000 K	○	M190220	M190221
1x39 W (T16 (G5))				◑	M190260	M190261
	1188 mm	4,00 kg	4000 K	○	M190320	M190321
				◑	M190360	M190361
46 W	2372 mm	7,30 kg	3000 K	○	M190920	M190921
2x39 W (T16 (G5))				◑	M190960	M190961
	2372 mm	7,30 kg	4000 K	○	M191020	M191021
				◑	M191060	M191061

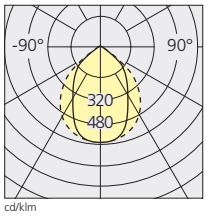
* Only direct emission is dimmable.
Upper screen in PMMA included.

IP20 ⏚ 850° (direct)
650° (direct+indirect)



Algoritmo white LED	LED		luminaire	
Power	20 W	20 W	23 W	23 W
Flux	2440 lm	2600 lm	1464 lm	1560 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (typ.)			
Color tolerance	MacAdam 4SDCM			
Service life	L70(6K) > 36000h			
Beam			C0-C180 2x34° C90-C270 2x46°	C0-C180 2x34° C90-C270 2x46°
Efficiency			60%	60%
Efficacy	122 lm/W	130 lm/W	64 lm/W	68 lm/W

23 W

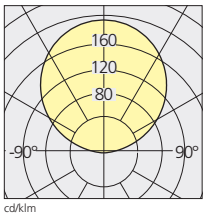


UGR < 19 2θ/2 = 68°	3000 K	4000 K
E_0 (h 1m)	916 lux	976 lux
E_0 (h 2m)	229 lux	244lux

Indirect T16 (G5)

Efficiency **62%**

39 W 3100 lm



Values related to luminaire body L 1188 mm.

Light sources

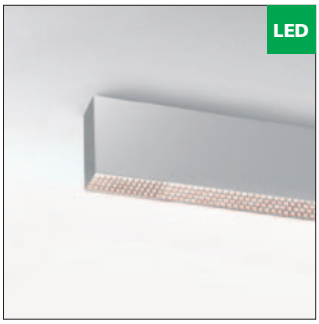
	Code
T16 (G5) fluorescent tube 1 piece	
39 W (3000 K)	M004380
39 W (4000 K)	M004381

Algoritmo Stand-alone ceiling white LED dark light emission

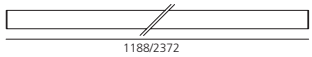
Patent pending (IT) n° MI2013A001711

White ○ Gloss anodized ◑

LED White						non dimmable	Dali-SwitchDim
W	Length	Weight	Flux	CCT	Color	Code	Code
23 W	1188 mm	3,80 kg	1464 lm	3000 K	○	M191520	M191521
					◑	M191560	M191561
	1188 mm	3,80 kg	1560 lm	4000 K	○	M191620	M191621
					◑	M191660	M191661
46 W	2372 mm	7,10 kg	2928 lm	3000 K	○	M191920	M191921
					◑	M191960	M191961
	2372 mm	7,10 kg	3120 lm	4000 K	○	M192020	M192021
					◑	M192060	M192061



IP20 ⏚ 850°



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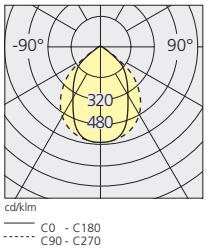
Algoritmo white LED	LED		luminaire	
Power	20 W	20 W	23 W	23 W
Flux	2440 lm	2600 lm	1464 lm	1560 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (typ.)			
Color tolerance	MacAdam 4SDCM			
Service life	L70(6K) > 36000h			
Beam			C0-C180 2x34° C90-C270 2x46°	C0-C180 2x34° C90-C270 2x46°
Efficiency			60%	60%
Efficacy	122 lm/W	130 lm/W	64 lm/W	68 lm/W

23 W



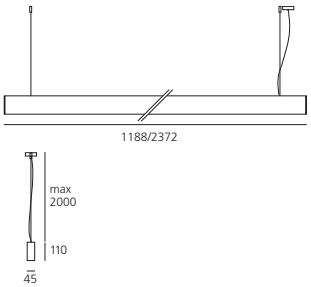
UGR < 19 2θ/2 = 68°	3000 K	4000 K
E_0 (h 1m)	916 lux	976 lux
E_0 (h 2m)	229 lux	244lux

Values related to luminaire body L 1188 mm.

Algoritmo Stand-alone suspension fluo direct emission

White ○ Gloss anodized ◑

IP20 ⏚ 650°



Direct emission

T16-SLS (G5)				non dimmable
W	Length	Weight	Color	Code
1x54 W	1188 mm	3,80 kg	○	M205420
			◑	M205460
2x54 W	2372 mm	7,10 kg	○	M205520
			◑	M205560

T16-SLS (G5)				Dali-SwitchDim
W	Length	Weight		Code
1x28-54 W	1188 mm	3,80 kg	○	M205421
			◑	M205461
2x28-54 W	2372 mm	7,10 kg	○	M205521
			◑	M205561

Direct + Indirect emission

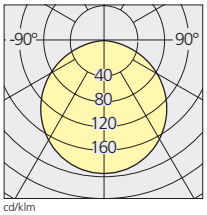
T16-SLS (G5)				non dimmable
W	Length	Weight	Color	Code
1x54 W (T16-SLS (G5))	1188 mm	4,00 kg	○	M205620
+ 1x39 W (T16 (G5))			◑	M205660
2x54 W (T16-SLS (G5))	2372 mm	7,30 kg	○	M205720
+ 2x39 W (T16 (G5))			◑	M205760

T16-SLS (G5)				Dali-SwitchDim*
W	Length	Weight	Color	Code
1x28-54 W (T16-SLS (G5))	1188 mm	4,00 kg	○	M205621
+ 1x39 W (T16 (G5))			◑	M205661
2x28-54 W (T16-SLS (G5))	2372 mm	7,30 kg	○	M205721
+ 2x39 W (T16 (G5))			◑	M205761

* Only direct emission is dimmable.
Upper screen in PMMA included.

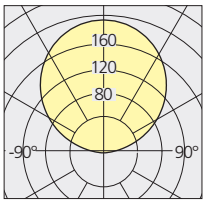
T16-SLS (G5) — **28/54 W** 2600/4450 lm

Efficiency **56%**



Indirect T16 (G5) — **39 W** 3100 lm

Efficiency **62%**



Light sources

T16-SEAMLESS (G5) fluorescent tube 1 piece	Code
28 W (3000 K)	M004810
28 W (4000 K)	M004815
54 W (3000 K)	M004800
54 W (4000 K)	M004805

T16 (G5) fluorescent tube 1 piece	
39 W (3000 K)	M004380
39 W (4000 K)	M004381

Algoritmo Stand-alone ceiling flup diffused emission

White ○ Gloss anodized ◑

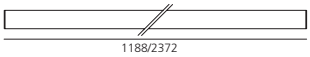
T16-SLS (G5) — non dimmable

W	Length	Weight	Color	Code
1x54 W	1188 mm	3,80 kg	○	M205220
			◑	M205260
2x54 W	2372 mm	7,10 kg	○	M205320
			◑	M205360

T16-SLS (G5) — Dali-SwitchDim

W	Length	Weight		Code
1x28-54 W	1188 mm	3,80 kg	○	M205221
			◑	M205261
2x28-54 W	2372 mm	7,10 kg	○	M205321
			◑	M205361

IP20 ⏚ 650°

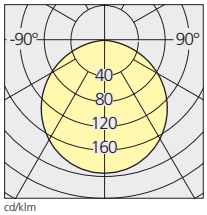


110
45

T16-SLS (G5)

Efficiency 56%

28/54 W 2600/4450 lm



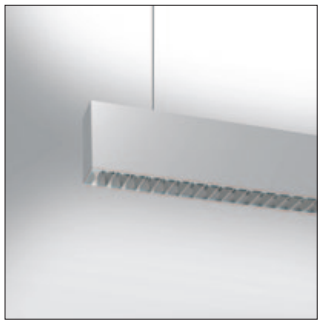
cd/klm

Light sources

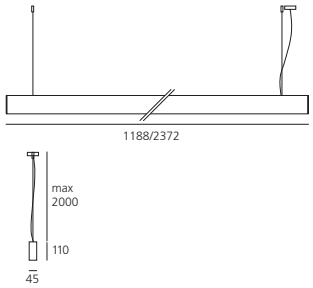
T16-SEAMLESS (G5) fluorescent tube 1 piece	Code
28 W (3000 K)	M004810
28 W (4000 K)	M004815
54 W (3000 K)	M004800
54 W (4000 K)	M004805

Algoritmo Stand-alone suspension fluo dark light emission

White ○ Gloss anodized ◑



IP20 ⏚ 960°



Direct emission

T16-SLS (G5)				non dimmable
W	Length	Weight	Color	Code
1x54 W	1188 mm	3,80 kg	○	M207020
			◑	M207060
2x54 W	2372 mm	7,10 kg	○	M207120
			◑	M207160

T16-SLS (G5)				Dali-SwitchDim
W	Length	Weight	Color	Code
1x28-54 W	1188 mm	3,80 kg	○	M207021
			◑	M207061
2x28-54 W	2372 mm	7,10 kg	○	M207121
			◑	M207161

Direct + Indirect emission

T16-SLS (G5)				non dimmable
W	Length	Weight	Color	Code
1x54 W (T16-SLS (G5))	1188 mm	4,00 kg	○	M207220
+ 1x39 W (T16 (G5))			◑	M207260
2x54 W (T16-SLS (G5))	2372 mm	7,30 kg	○	M207320
+ 2x39 W (T16 (G5))			◑	M207360

T16-SLS (G5)				Dali-SwitchDim*
W	Length	Weight	Color	Code
1x28-54 W (T16-SLS (G5))	1188 mm	4,00 kg	○	M207221
+ 1x39 W (T16 (G5))			◑	M207261
2x28-54 W (T16-SLS (G5))	2372 mm	7,30 kg	○	M207321
+ 2x39 W (T16 (G5))			◑	M207361

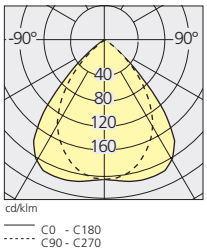
* Only direct emission is dimmable.
Upper screen in PMMA included.

T16-SLS (G5) — **28/54 W** 2600/4450 lm

Efficiency **33%**

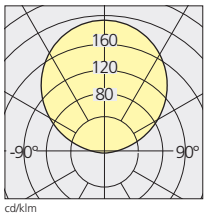
UGR < 19

2θ/2 = 85°	54 W	28 W
E_0 (h 1m)	916 lux	531 lux
E_0 (h 2m)	229 lux	133 lux



Indirect T16 (G5) — **39 W** 3100 lm

Efficiency **62%**



Light sources

		Code
	T16-SEAMLESS (G5) fluorescent tube 1 piece	
	28 W (3000 K)	M004810
	28 W (4000 K)	M004815
	54 W (3000 K)	M004800
	54 W (4000 K)	M004805
	T16 (G5) fluorescent tube 1 piece	
	39 W (3000 K)	M004380
	39 W (4000 K)	M004381

Algoritmo Stand-alone ceiling fluo dark light emission

White ○ Gloss anodized ◑

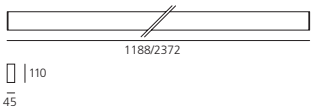
T16-SLS (G5) — non dimmable

W	Length	Weight	Color	Code
1x54 W	1188 mm	3,80 kg	○	M206820
			◑	M206860
2x54 W	2372 mm	7,10 kg	○	M206920
			◑	M206960

T16-SLS (G5) — Dali-SwitchDim

W	Length	Weight	Color	Code
1x28-54 W	1188 mm	3,80 kg	○	M206821
			◑	M206861
2x28-54 W	2372 mm	7,10 kg	○	M206921
			◑	M206961

IP20 ⏚ 960°

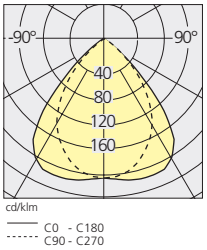


T16-SLS (G5) — **28/54 W** 2600/4450 lm

Efficiency **33%**

UGR < 19

2θ/2 = 85°	54 W	28 W
E_0 (h 1m)	916 lux	531 lux
E_0 (h 2m)	229 lux	133 lux



Light sources

T16-SEAMLESS (G5) fluorescent tube 1 piece	Code
28 W (3000 K)	M004810
28 W (4000 K)	M004815
54 W (3000 K)	M004800
54 W (4000 K)	M004805

following pages

Algoritmo Floor - Algoritmo System
Atelier Eera - Cavaion veronese (Italy)
Arch.: Alberto Salvadori
Photo: Marco Zanta

Artemide projectors LED innovation

Multilens optic principle

- Soft, homogenous light.
- Wide choice of beam angles.
- LED sources partitioning with consequent thermal management optimization.
- Diffused light effect produced by the anti-dazzle optic.

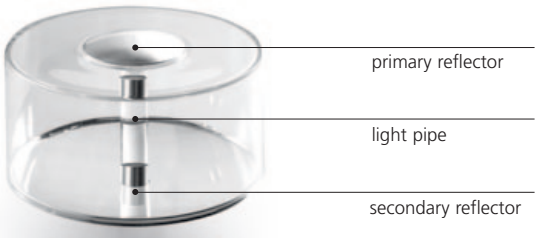
PAD
multilens optic

37 Cube
multilens optic

Catadioptric optical principle

- High axial intensities with considerable beam collimation.
- Excellent light blending.
- Light, interchangeable optical structures (twist and lock).
- LED source located outside optical compartment, with consequent thermal management advantages.

Cata
cadioptric optical



Hybrid optics principle

- Very high luminous flux.
- Extremely compact dimensions.
- Well defined narrow beams.
- Wide range of optical accessories.

Airlite
hybrid optics

Picto led
hybrid optics

Cata

Carlotta de Bevilacqua
2012

product
design
award
2012

Cata features an innovative catadioptric based around the principles of a lighthouse. The optical system has high axial intensities and an accurate light beam collimation, making Cata an extraordinary LED for accent lighting. The innovative mechanical configuration consists of 3 interconnected functional elements: ultra-thin power source, heat dissipating body, and interchangeable optical assembly via a ‘twist and lock’ mechanism. The separation of optical assembly and heat dissipating body, results in Cata being an extremely simple yet effective product, in terms of thermal management. The transparent materials and reflective surfaces make Cata distinguished by an unobstrusive design, giving a unique emphasis on light.

Cata

- Interchangeable optical unit through a ‘twist & lock’ mechanism.
- Defined, concentrated light beams thanks to an innovative collimation system.
- 2 beam angles: 2x3,5°, 2x8°.
- Excellent quality of light:

  Cata Tuneable White: adjustable colour temperature from 2700K to 5700K CRI >93 (min.)

  Cata Stable White: available as warm white (3000K) and neutral white (4000K) – CRI=80 (min.)
- Rotation of 360°, tilt angle of +90°/-90°
- 2 installation options: with adaptor for 3-circuit track, or base plate for ceiling mounting.
- Ultra-flat power source (8mm height): DALI dimmable as standard, DALI8 interface hub for Tuneable White version.
- Materials : optic in transparent and metallic polycarbonate, heat sink in die-cast gloss aluminium, feeder/power supply in transparent polycarbonate, arm in die-cast gloss aluminium.
- Complies with standard EN60598-1 and other specific standards.

*** Optical unit**
Cata is equipped with a system of interchangeable optics via a ‘twist and lock’ mechanism.

Beam angles: 2x6°(ϑ1/10), 2x12°(ϑ1/10)

Patent pending (IT) n° MI2012A000605
Patent pending (US) n° 13/863.246
Patent pending (EU) n° 13163623.5

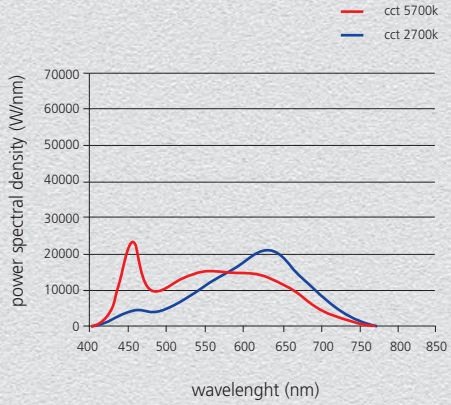
TW®

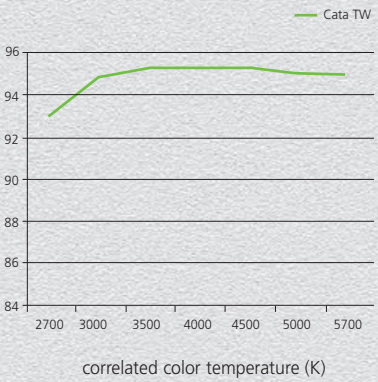
Artemide Tunable White

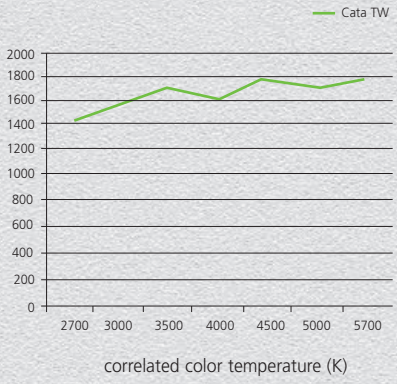
Cata projector in its Tuneable White version is equipped with an innovative COB with adjustable colour temperature. The white colour temperature can be adjusted from 2700K to 5700K, with an impressive CRI >93 (min.)

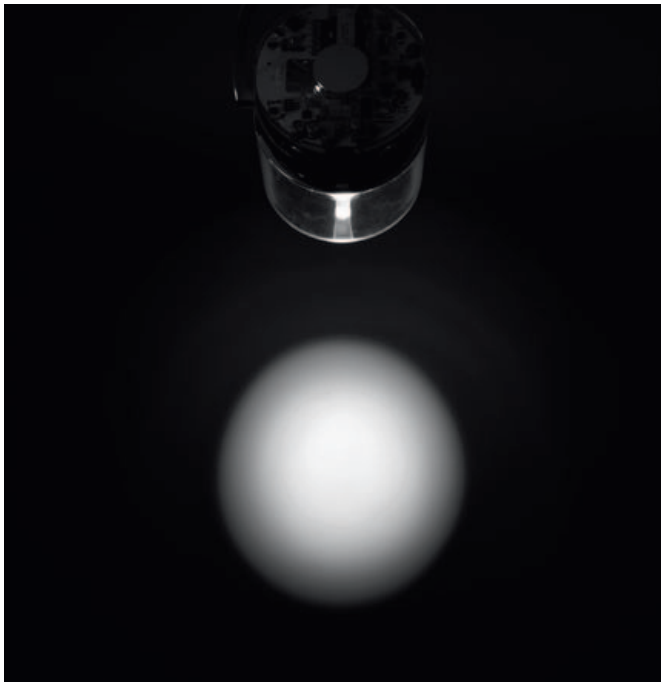
Its lighting performance looks to reproduce the best professional halogen sources in terms the quality of light, with the added benefit of non-existent ultraviolet and infrared emissions.

Cata projector is equipped with custom electronics, specifically designed to interface with different control devices through the DALI8 protocol.


cct 5700k
cct 2700k
power spectral density (W/nm)
70000
60000
50000
40000
30000
20000
10000
0
400 450 500 550 600 650 700 750 800 850
wavelenght (nm)


Cata TW
96
94
92
90
88
86
84
2700 3000 3500 4000 4500 5000 5700
correlated color temperature (K)


Cata TW
2000
1800
1600
1400
1200
1000
800
600
400
200
0
2700 3000 3500 4000 4500 5000 5700
correlated color temperature (K)



Narrow
Beam angles 2x6°(ϑ1/10)

Spot
Beam angles 2x12°(ϑ1/10)

following pages

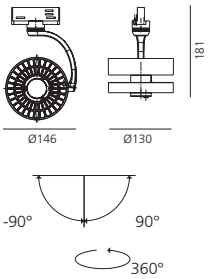
Cata track
Diocesan museum
Milan (Italy)
Photo: Federico Villa

Cata track tunable white

TW® Artemide Tunable White

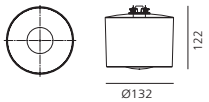
Polished aluminium

LED Unit				Dali 8 dimmable
W	Weight	CCT	Color	Code
24 W	0,65 kg	2700 K - 5700 K		M057783

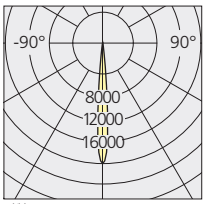


IP20 ⧈ 850°

Optical unit 2x6°ϑ/10			
	Weight	Beam	Code
narrow optic	0,25 kg	2x6°ϑ/10	M057500

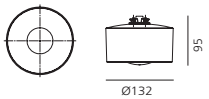


Cata 2x6°ϑ/10 TW	LED	luminaire
Power	18 W	24 W
Flux	1400 lm-1550 lm	448 lm-572 lm
CCT	2700-5700 K	2700-5700 K
CRI	>93 (min.)	
Color tolerance	MacAdam 4SDCM	
Service life		
Beam		2x6°ϑ/10
Efficiency		34%
Efficacy	77 lm/W-84 lm/W	19 lm/W-22 lm/W

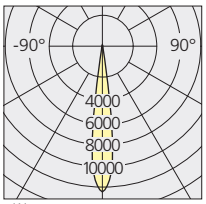


24 W	2700 K		α=2x6°ϑ/10		5700 K		α=2x6°ϑ/10	
	H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
	1	0,21	9488	1461	1	0,21	10499	1617
	2	0,41	2372	365	2	0,41	2625	404
	3	0,63	1054	162	3	0,63	1166	180
	4	0,84	593	91	4	0,84	656	101
	5	1,05	379	58	5	1,05	420	65

Optical unit 2x12°ϑ/10			
	Weight	Beam	Code
spot optic	0,20 kg	2x12°ϑ/10	M057600



Cata 2x12°ϑ/10 TW	LED	luminaire
Power	18 W	24 W
Flux	1400 lm-1550 lm	423 lm-468 lm
CCT	2700-5700 K	2700-5700 K
CRI	>93 (min.)	
Color tolerance	MacAdam 4SDCM	
Service life		
Beam		2x12°ϑ/10
Efficiency		30%
Efficacy	77 lm/W-84 lm/W	18 lm/W-20 lm/W



24 W	2700 K		α=2x12°ϑ/10		5700 K		α=2x12°ϑ/10	
	H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
	1	0,43	5511	720	1	0,43	5934	775
	2	0,85	1378	180	2	0,85	1483	194
	3	1,28	613	80	3	1,28	659	86
	4	1,71	345	45	4	1,71	370	48
	5	2,14	220	29	5	2,14	238	31

Cata track stable white

Polished aluminium

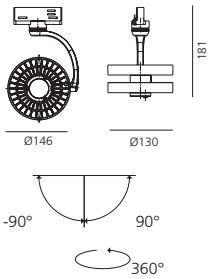
LED Unit

W	Weight	CCT	Color
29 W	0,60 kg	3000 K	
		4000 K	

Dali dimmable

Code
M057383
M057483

To be used in conjunction with DALI 3-circuit tracks – please see page 454
In absence of DALI bus, CATA can be dimmed using the button on the light fitting.

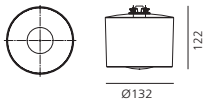


IP20 ⧈ 850°

Optical unit 2x6°ϑ/10

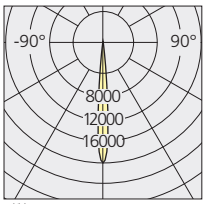
	Weight	Beam
narrow optic	0,25 kg	2x6°ϑ10

Code
M057500



Cata 2x6°ϑ/10	LED		luminaire	
Power	23 W	23 W	29 W	29 W
Flux	2250 lm	2360 lm	767 lm	805 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (min.)			
Color tolerance	MacAdam 3SDCM			
Service life	L70(6K)>36000h			
Beam			2x6°ϑ/10	
Efficiency			34%	34%
Efficacy	99 lm/W	104 lm/W	26 lm/W	27 lm/W

29 W

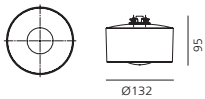


3000 K α=2x6°ϑ/10				4000 K α=2x6°ϑ/10			
H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
1	0,21	15288	2573	1	0,21	16364	2753
2	0,41	3822	644	2	0,41	4091	689
3	0,63	1698	286	3	0,63	1818	306
4	0,84	955	161	4	0,84	1023	172
5	1,05	611	103	5	1,05	654	110

Optical unit 2x12°ϑ/10

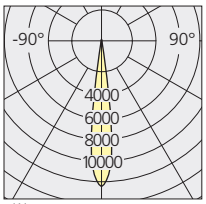
	Weight	Beam
spot optic	0,20 kg	2x12°ϑ/10

Code
M057600



Cata 2x12°ϑ/10	LED		luminaire	
Power	23 W	23 W	29 W	29 W
Flux	2250 lm	2360 lm	681 lm	715 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (min.)			
Color tolerance	MacAdam 3SDCM			
Service life	L70(6K)>36000h			
Beam			2x12°ϑ/10	
Efficiency			30%	30%
Efficacy	99 lm/W	104 lm/W	23 lm/W	24 lm/W

29 W



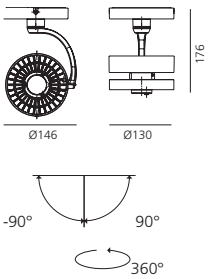
3000 K α=2x12°ϑ/10				4000 K α=2x12°ϑ/10			
H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
1	0,43	8566	1164	1	0,43	9182	1245
2	0,85	2142	291	2	0,85	2296	311
3	1,28	952	129	3	1,28	1020	138
4	1,71	536	73	4	1,71	574	78
5	2,14	343	47	5	2,14	367	50

Cata ceiling tunable white

TW® Artemide Tunable White

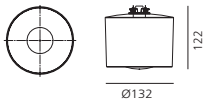
Polished aluminium

LED Unit				Dali 8 dimmable
W	Weight	CCT	Color	Code
24 W	0,75 kg	2700 K - 5700 K		M057781

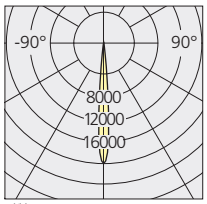


IP20 ⏚ 850°

Optical unit 2x6°ϑ/10			
	Weight	Beam	Code
narrow optic	0,25 kg	2x6°ϑ/10	M057500

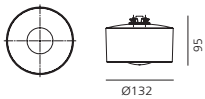


Cata 2x6°ϑ/10 TW	LED	luminaire
Power	18 W	24 W
Flux	1400 lm-1550 lm	448 lm-572lm
CCT	2700-5700 K	2700-5700 K
CRI	>93 (min.)	
Color tolerance	MacAdam 4SDCM	
Service life		
Beam		2x6°ϑ/10
Efficiency		34%
Efficacy	77 lm/W-84 lm/W	19 lm/W-22 lm/W

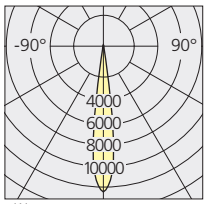


24 W	2700 K		α=2x6°ϑ/10		5700 K		α=2x6°ϑ/10	
	H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
	1	0,21	9488	1461	1	0,21	10499	1617
	2	0,41	2372	365	2	0,41	2625	404
	3	0,63	1054	162	3	0,63	1166	180
	4	0,84	593	91	4	0,84	656	101
	5	1,05	379	58	5	1,05	420	65

Optical unit 2x12°ϑ/10			
	Weight	Beam	Code
spot optic	0,20 kg	2x12°ϑ/10	M057600



Cata 2x12°ϑ/10 TW	LED	luminaire
Power	18 W	24 W
Flux	1400 lm-1550 lm	423 lm-468 lm
CCT	2700-5700 K	2700-5700 K
CRI	>93 (min.)	
Color tolerance	MacAdam 4SDCM	
Service life		
Beam		2x12°ϑ/10
Efficiency		30%
Efficacy	77 lm/W-84 lm/W	18 lm/W-20 lm/W



24 W	2700 K		α=2x12°ϑ/10		5700 K		α=2x12°ϑ/10	
	H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
	1	0,43	5511	720	1	0,43	5934	775
	2	0,85	1378	180	2	0,85	1483	194
	3	1,28	613	80	3	1,28	659	86
	4	1,71	345	45	4	1,71	370	48
	5	2,14	220	29	5	2,14	238	31

Cata ceiling stable white

Polished aluminium

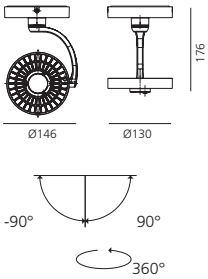
LED Unit

W	Weight	CCT	Color
29 W	0,70 kg	3000 K	
		4000 K	

Dali-SwitchDim

Code
M057381
M057481

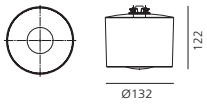
To be used in conjunction with DALI 3-circuit tracks – please see page 454
In absence of DALI bus, CATA can be dimmed using the button on the light fitting.



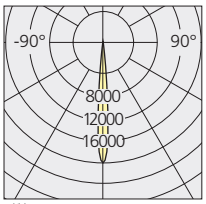
IP20 ⏚ 850°

Optical unit 2x6°ϑ/10

	Weight	Beam	Code
narrow optic	0,25 kg	2x6°ϑ10	M057500



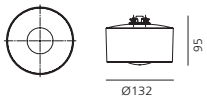
Cata 2x6°ϑ/10	LED		luminaire	
Power	23 W	23 W	29 W	29 W
Flux	2250 lm	2360 lm	767 lm	805 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (min.)			
Color tolerance	MacAdam 3SDCM			
Service life	L70(6K)>36000h			
Beam			2x6°ϑ/10	
Efficiency			34%	34%
Efficacy	99 lm/W	104 lm/W	26 lm/W	27 lm/W



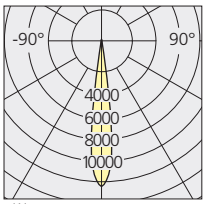
29 W	3000 K		α=2x6°ϑ/10		4000 K		α=2x6°ϑ/10	
	H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
	1	0,21	15288	2573	1	0,21	16364	2753
	2	0,41	3822	644	2	0,41	4091	689
	3	0,63	1698	286	3	0,63	1818	306
	4	0,84	955	161	4	0,84	1023	172
	5	1,05	611	103	5	1,05	654	110

Optical unit 2x12°ϑ/10

	Weight	Beam	Code
spot optic	0,20 kg	2x12°ϑ/10	M057600



Cata 2x12°ϑ/10	LED		luminaire	
Power	23 W	23 W	29 W	29 W
Flux	2250 lm	2360 lm	681 lm	715 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (min.)			
Color tolerance	MacAdam 3SDCM			
Service life	L70(6K)>36000h			
Beam			2x12°ϑ/10	
Efficiency			30%	30%
Efficacy	99 lm/W	104 lm/W	23 lm/W	24 lm/W

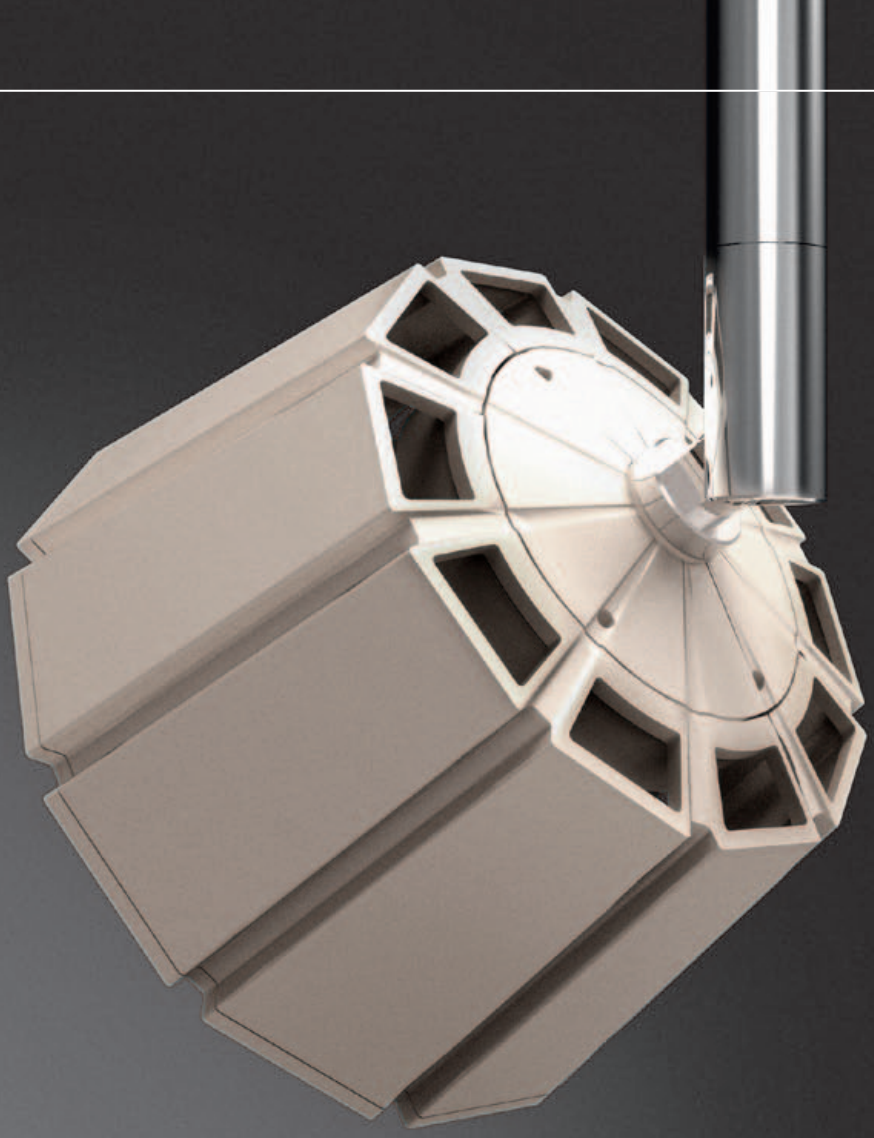


29 W	3000 K		α=2x12°ϑ/10		4000 K		α=2x12°ϑ/10	
	H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
	1	0,43	8566	1164	1	0,43	9182	1245
	2	0,85	2142	291	2	0,85	2296	311
	3	1,28	952	129	3	1,28	1020	138
	4	1,71	536	73	4	1,71	574	78
	5	2,14	343	47	5	2,14	367	50

Airlite

Carlotta de Bevilacqua
Paola di Arianello
2012

Boasting elevated luminous flux, excellent colour rendering, energy efficiency, and a light compact design, Airlite is an innovative range of LED spotlights with exceptional photometric performance and flexibility. Thanks to an innovative heat dissipation system, air is filtered through open gaps in the die-cast aluminium body ensuring the efficiency and long life
of our LED module. The hybrid optical system provides defined narrow beams, while keeping the light fixture dimensions compact.

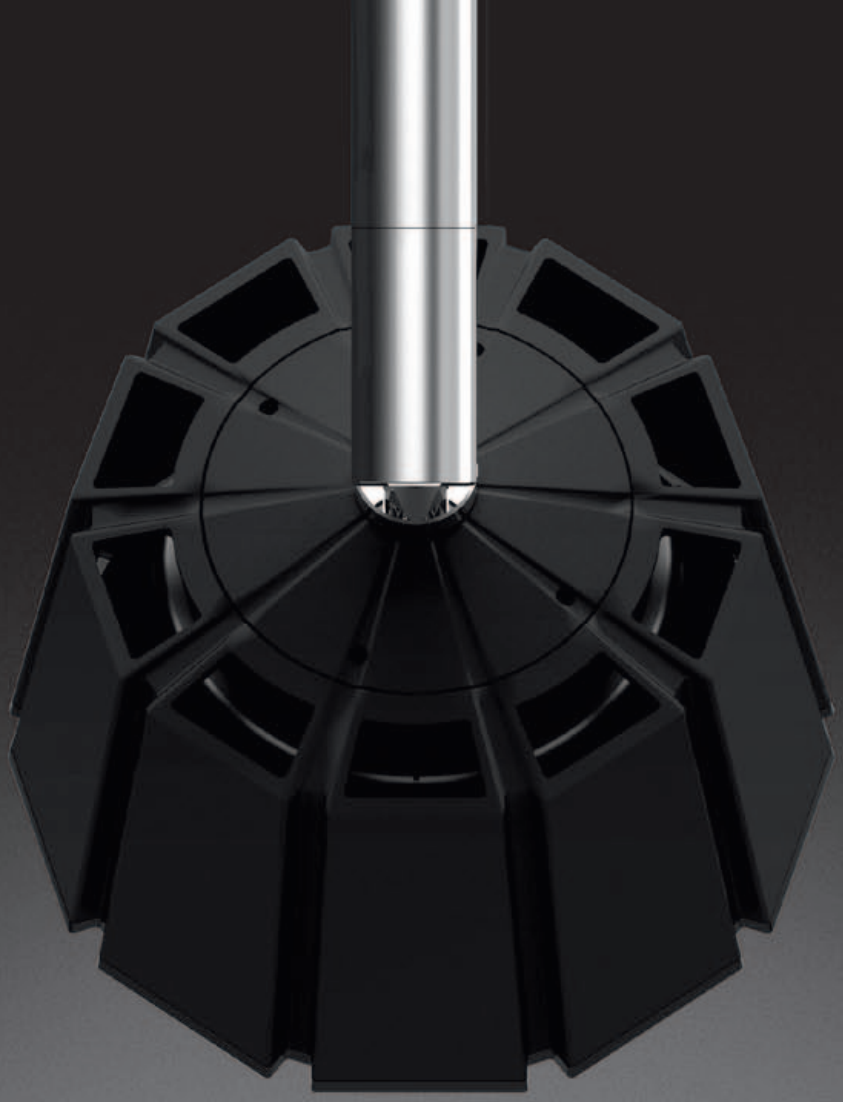


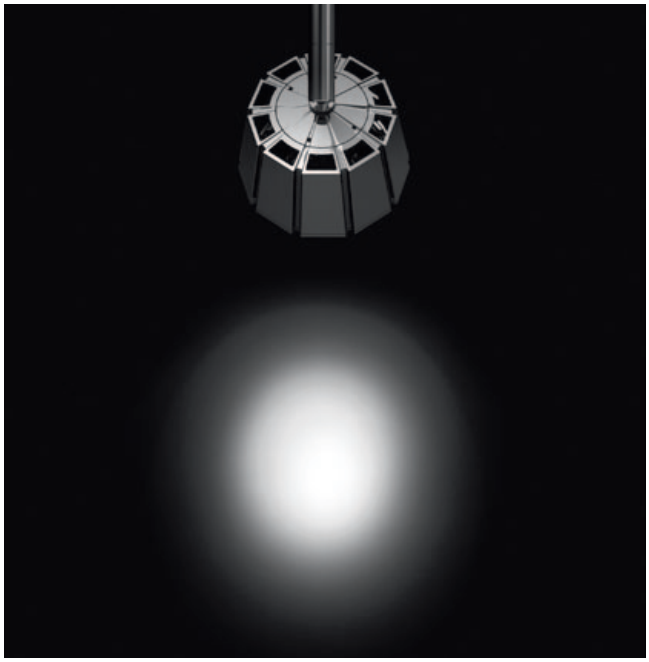
Airlite

- 3400 flux lumen output.
- Unique minimal dimensions and virtually weightless: max diameter 139mm x height 85mm. Weight of the die-cast head is 450g.
- High energy efficiency: between 71 and 81 lumens per watt in the spotlight version.
- Innovative LED thermal management (31W): passive heat dissipation system based on a chimney effect.
- Thin, extremely defined beams thanks to the hybrid optical system.
- Beam angles: 2x8°, 2x19°.
- Excellent quality of light:

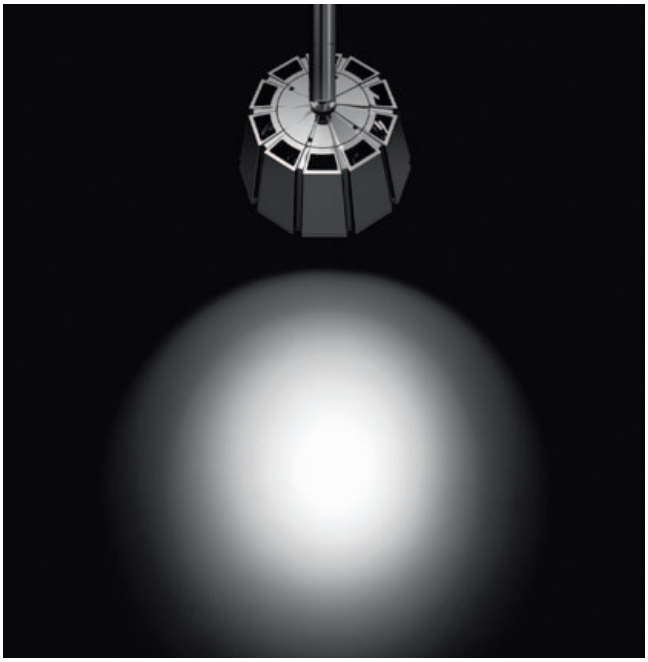
  Airlite Tuneable White: colour temperature can be adjusted from 2900K to 5500K CRI >91 (min.)

  Airlite Stable White in tone: warm white (3000K) and neutral white (4000K) – CRI >91 (min.)
- Rotation of 360°, tilt angle of +90°/-90°.
- Available accessories include: elliptical refractor, soft and coloured filters, asymmetric tube, anti-dazzle louvre, adjustable dowsers.
- In addition to adjustable dowsers or asymmetric tube, it is possible to install up to 3 filters / refractors at the same time, or one filter plus the anti-dazzle louvre.
- 3 installation options: with adaptor for 3-circuit track (ceiling mounted version only), with base plate for semi-recessed mounting, or suspension.
- Standard version: DALI dimmable. Tuneable White version: DALI8
- Materials: body in die-cast aluminium, reflector in optical aluminium, lens in polycarbonate.
- Complies with standard EN60598-1 and other specific regulations.





Spot
Beam angle 2x8°
For accent lighting small objects.



Flood
Beam angle 2x18°
For accent lighting of large objects.

Innovative thermal management

The die-cast aluminium body has a distinctive design increasing thermal dissipation.
Air is circulated through open gaps allowing heat to travel out of the fitting, ensuring efficiency and long life of the LED module.
This solution enables the integration of considerable power (31W LED power) into an extremely compact and virtually weightless design.

Dimensions: max diameter 139mm x height 85mm

Weight die-cast head: 450g

Hybrid optical system lens/reflector

Airlite uses high power LED modules within a hybrid optical system (lens and reflector) producing defined narrow beams.
The Airlite 'hybrid' optic technology provides indirect light via a compact reflector adjusted and redirected through the lens.
An innovative solution allowing considerably reduced product dimensions.

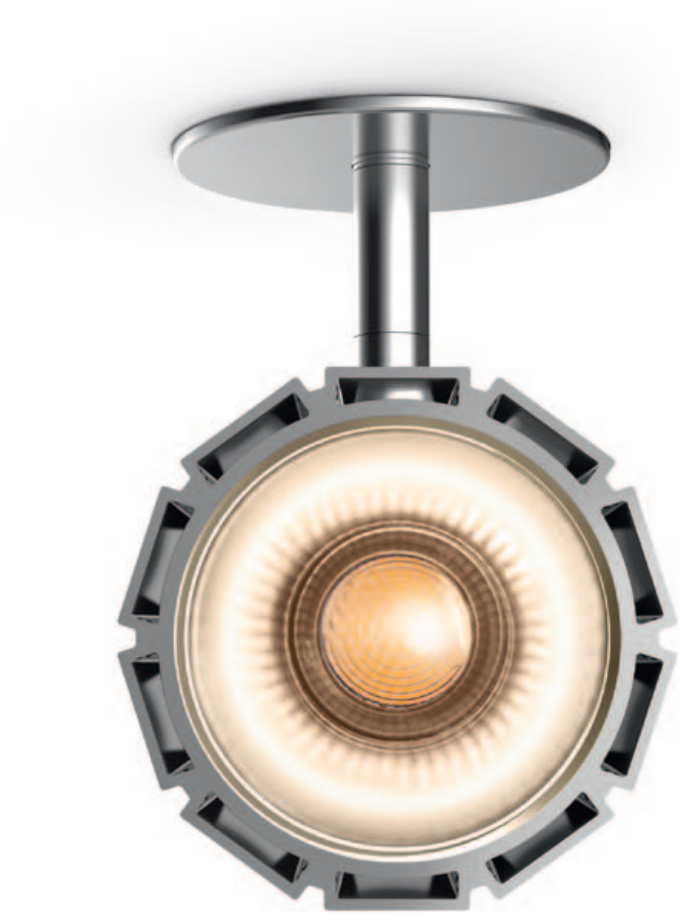
Beam angles: 2x8°/ 2x19°

Efficiency: 80% (2x8°) - 71% (2x19°)

LED

Power LED: 31 W

Flux LED: 3454 lm



Airlite tunable white semirecessed

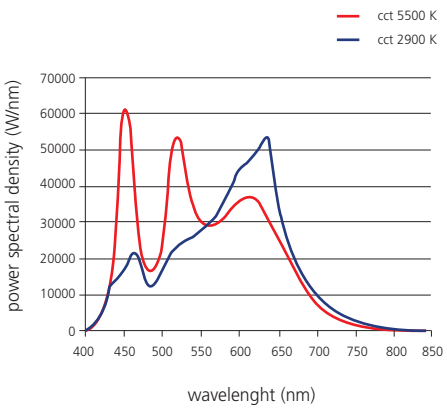
TW®
Artemide Tunable White

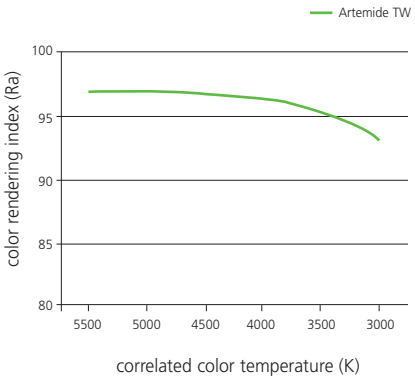
Airlite Tuneable White projector is equipped with an innovative LED ARRAY of varying colour temperatures: The LED diodes combine to achieve efficient, chromatic uniformity, allowing users to adjust the colour temperature via an electronic control device.

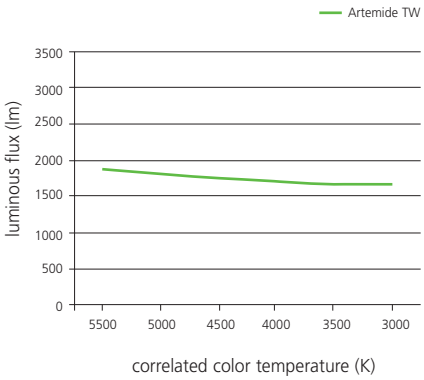
The Airlite Tuneable White projector is a perfect fixture for the retail environment. The ability to adjust colour temperatures from 2900K to 5500K allows for variations in light and atmosphere, giving users the opportunity to highlight different colours, while guaranteeing a high colour rendering indexing (CRI >91 (min.)) with a product that's efficient (above 85 Lm/W) across the whole spectrum.

The unique mix of LED's have been selected to ensure perfect positioning of this light source on the black body locus.

Airlight Tuneable White projector is equipped with custom electronics, specifically designed to interface with different control devices through the DALI8 protocol.


cct 5500 K
cct 2900 K
power spectral density (W/nm)
70000
60000
50000
40000
30000
20000
10000
0
400
450
500
550
600
650
700
750
800
850
wavelenght (nm)


Artemide TW
color rendering index (Ra)
100
95
90
85
80
5500
5000
4500
4000
3500
3000
correlated color temperature (K)


Artemide TW
luminous flux (lm)
3500
3000
2500
2000
1500
1000
500
0
5500
5000
4500
4000
3500
3000
correlated color temperature (K)

Airlite Accessories

Colored filters

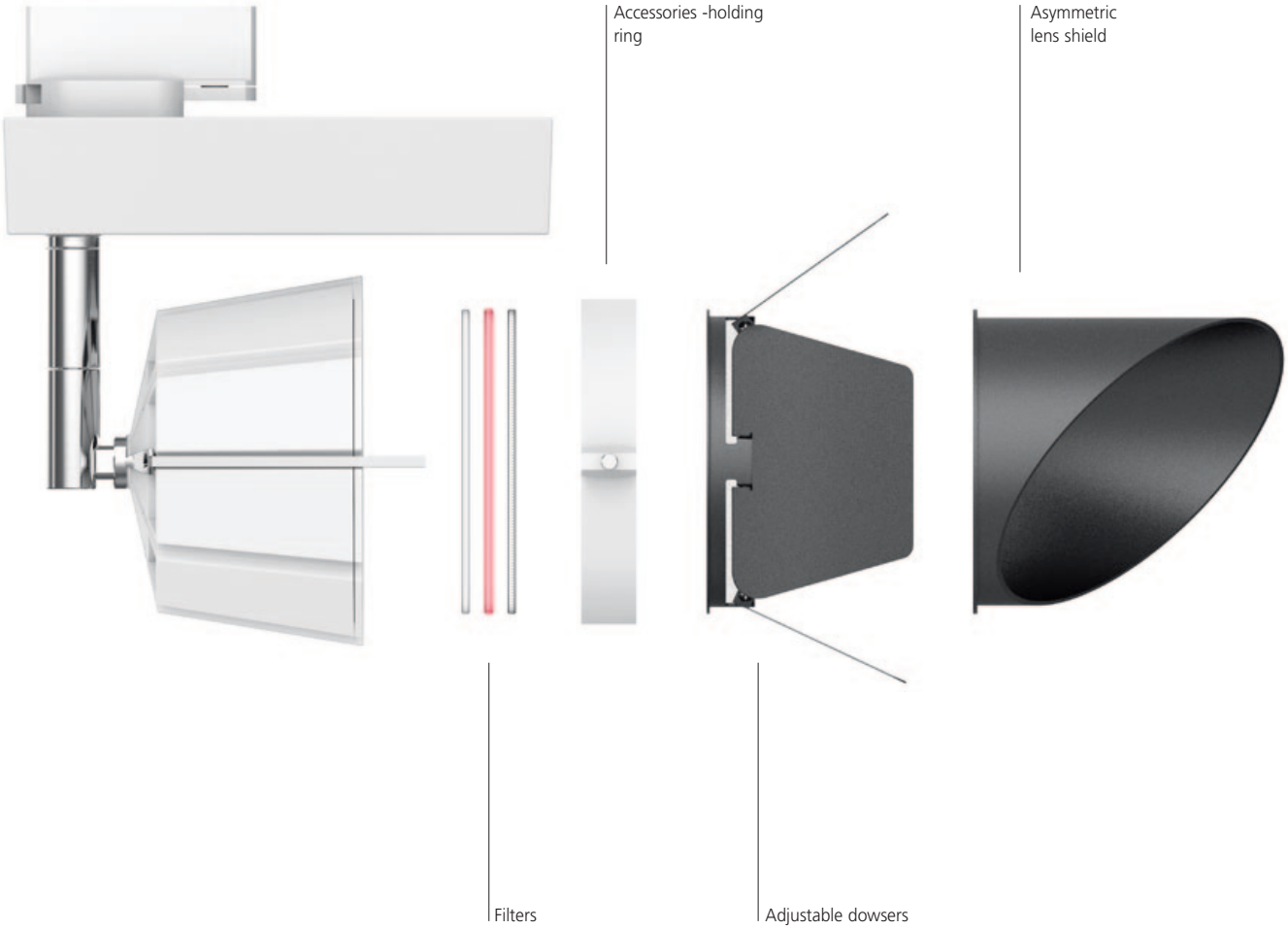
Soft filter

Elliptical refractor

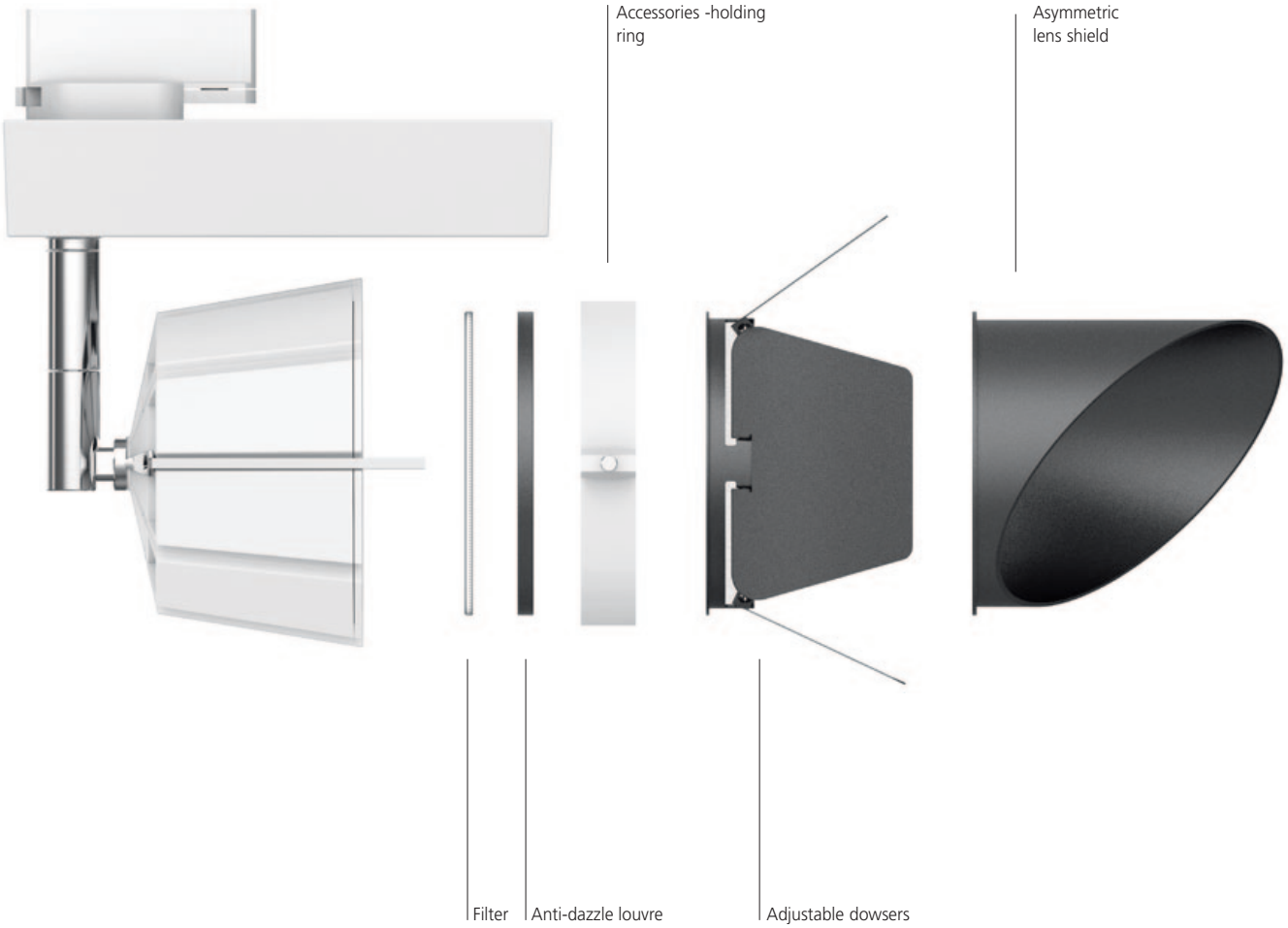
Adjustable dowsers

Anti-dazzle louvre

Asymmetric lens shield



It is possible to install up to 3 filters/reflectors at the same time, in addition to adjustable dowsers and asymmetric lens shield.



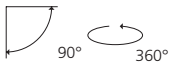
It is possible to install 1 filter plus anti-dazzle louvre at the same time, in addition to adjustable dowsers and asymmetric lens shield.

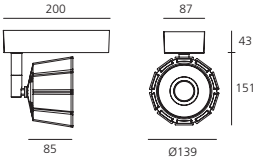
Airlite track tunable white

White ○ Black ● Polished aluminium ◑ Bronze ●

LED						Dali 8 dimmable
W	Weight	Beam	Flux	CCT	Color	Code
35 W	1,60 kg	2x8°	1748 lm	2900 K-5500 K	○	M142221
					●	M142211
					◑	M142281
					●	M142251
		2x18°	1578 lm	2900 K-5500 K	○	M142321
					●	M142311
					◑	M142381
					●	M142351

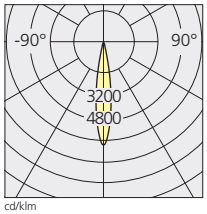
IP20 ⏚
850°





Airlite 2x8° TW	LED	luminaire
Power	30 W	35 W
Flux	2428 lm	1748 lm
CCT	2900 K-5500 K	2900 K-5500 K
CRI	>91 (min.)	
Color tolerance		
Service life		
Beam		2x8°
Efficiency		72%
Efficacy	81 lm/W	50lm/W

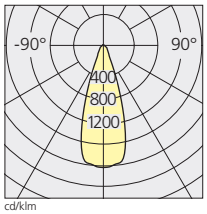
35 W — 2900 K-5500 K — α=2x8°



H m	Ø m	EMax lux	EM lux
1	0,29	11407	5576
2	0,58	2852	1394
3	0,86	1267	620
4	1,15	713	348
5	1,44	456	223

Airlite 2x18° TW	LED	luminaire
Power	30 W	35 W
Flux	2428 lm	1578 lm
CCT	2900 K-5500 K	2900 K-5500 K
CRI	>91 (min.)	
Color tolerance		
Service life		
Beam		2x18°
Efficiency		65%
Efficacy	81 lm/W	45 lm/W

35 W — 2900 K-5500 K — α=2x18°



H m	Ø m	EMax lux	EM lux
1	0,63	3193	1384
2	1,27	798	346
3	1,90	355	154
4	2,54	200	87
5	3,17	128	55

previous pages
Airlite binario
Valextra - Milano (Italy)
Arch.: Stdio Cerri & Associati
Photo: Federico Villa

White ○ Black ● Polished aluminium ◑ Bronze ●

Accessories

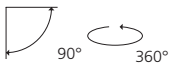
	Color	Code
Accessories holder	○	M077820
	●	M077810
	◑	M077880
	●	M077850
Lens for ellittical emission		M078700
Soft filter		M078800
Anti-dazzle louvre	●	M078400
Asymmetric lens shield	●	M078500
Adjustable dowsers	●	M078600

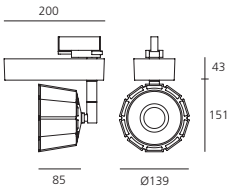
Airlite track stable white

White ○ Black ● Polished aluminium ◑ Bronze ●

LED						non dimmable	Dali dimmable
W	Weight	Beam	Flux	CCT	Color	Code	Code
36 W	1,60 kg	2x8°	2768 lm	3000 K	○	M141020	M141021
					●	M141010	M141011
					◑	M141080	M141081
					●	M141050	M141051
			2962 lm	4000 K	○	M141220	M141221
					●	M141210	M141211
					◑	M141280	M141281
					●	M141250	M141251
		2x18°	2452 lm	3000 K	○	M141120	M141121
					●	M141110	M141111
					◑	M141180	M141181
					●	M141150	M141151
			2623 lm	4000 K	○	M141320	M141321
					●	M141310	M141311
					◑	M141380	M141381
					●	M141350	M141351

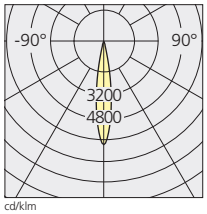
IP20 ⏚ 850°





Airlite 2x8°	LED		luminaire	
Power	31 W	31 W	36 W	36 W
Flux	3454 lm	3695 lm	2768 lm	2962 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (min.)			
Color tolerance	MacAdam 3SDCM			
Service life	L70(6K)>36000h			
Beam			2x8°	2x8°
Efficiency			80%	80%
Efficacy	111 lm/W	119 lm/W	76 lm/W	81 lm/W

36 W

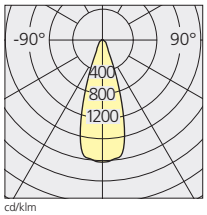


cd/klm

3000 K			α=2x8°	4000 K			α=2x8°
H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
1	0,29	18063	8829	1	0,29	19329	9448
2	0,58	4516	2207	2	0,58	4832	2362
3	0,86	2007	981	3	0,86	2148	1050
4	1,15	1129	552	4	1,15	1208	590
5	1,44	723	353	5	1,44	773	378

Airlite 2x18°	LED		luminaire	
Power	31 W	31 W	36 W	36 W
Flux	3454 lm	3695 lm	2452 lm	2623 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (min.)			
Color tolerance	MacAdam 3SDCM			
Service life	L70(6K)>36000h			
Beam			2x18°	2x18°
Efficiency			71%	71%
Efficacy	111 lm/W	119 lm/W	67 lm/W	72 lm/W

36 W



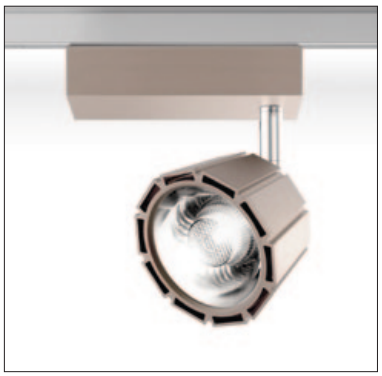
cd/klm

3000 K			α=2x18°	4000 K			α=2x18°
H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
1	0,63	4961	2151	1	0,63	5307	2301
2	1,27	1240	538	2	1,27	1327	575
3	1,90	551	239	3	1,90	590	256
4	2,54	310	134	4	2,54	332	144
5	3,17	198	86	5	3,17	212	92

White	Black	Polished aluminium	Bronze
○	●	◑	●

Accessories

		Color	Code
	Accessories holder	○	M077820
		●	M077810
		◑	M077880
		●	M077850
	Lens for ellittical emission		M078700
	Soft filter		M078800
	Chromatic filter	●	M078900
		●	M079000
		●	M079100
	Anti-dazzle louvre	●	M078400
	Asymmetric lens shield	●	M078500
	Adjustable dowsers	●	M078600



following pages

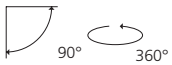
Airlite track
Diocesano museum
Milan (Italy)
Photo: Federico Villa

Airlite semirecessed tunable white

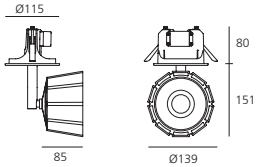
White ○ Black ● Polished aluminium ◑ Bronze ●

LED						Dali 8 dimmable
W	Weight	Beam	Flux	CCT	Color	Code
35 W	1,30 kg	2x8°	1748 lm	2900 K-5500 K	○	M142421
					●	M142411
					◑	M142481
					●	M142451
		2x18°	1578 lm	2900 K-5500 K	○	M142521
					●	M142511
					◑	M142581
					●	M142551

IP20 ⊡
850°

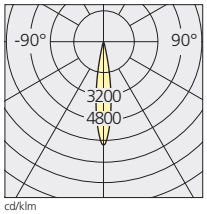


⌀99



Airlite 2x8° TW	LED	luminaire
Power	30 W	35 W
Flux	2428 lm	1748 lm
CCT	2900 K-5500 K	2900 K-5500 K
CRI	>91 (min.)	
Color tolerance		
Service life		
Beam		2x8°
Efficiency		72%
Efficacy	81 lm/W	50 lm/W

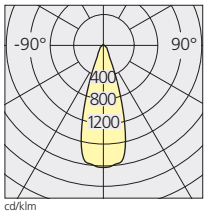
35 W 2900 K-5500 K α=2x8°



H m	Ø m	EMax lux	EM lux
1	0,29	11407	5576
2	0,58	2852	1394
3	0,86	1267	620
4	1,15	713	348
5	1,44	456	223

Airlite 2x18° TW	LED	luminaire
Power	30 W	35 W
Flux	2428 lm	1578 lm
CCT	2900 K-5500 K	2900 K-5500 K
CRI	>91 (min.)	
Color tolerance		
Service life		
Beam		2x18°
Efficiency		65%
Efficacy	81 lm/W	45 lm/W

35 W 2900 K-5500 K α=2x18°



H m	Ø m	EMax lux	EM lux
1	0,63	3193	1384
2	1,27	798	346
3	1,90	355	154
4	2,54	200	87
5	3,17	128	55

White ○ Black ● Polished aluminium ◑ Bronze ●

Accessories

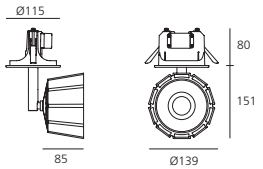
	Color	Code
Accessories holder	○	M077820
	●	M077810
	◑	M077880
	●	M077850
Lens for ellittical emission		M078700
Soft filter		M078800
Anti-dazzle louvre	●	M078400
Asymmetric lens shield	●	M078500
Adjustable dowsers	●	M078600

Airlite semirecessed stable white

White ○ Black ● Polished aluminium ◑ Bronze ●

LED						non dimmable*	Dali-SwitchDim**
W	Weight	Beam	Flux	CCT	Color	Code	Code
36 W	1,30 kg	2x8°	2768 lm	3000 K	○	M141420	M141421
					●	M141410	M141411
					◑	M141480	M141481
					●	M141450	M141451
			2962 lm	4000 K	○	M141620	M141621
					●	M141610	M141611
					◑	M141680	M141681
					●	M141650	M141651
		2x18°	2452 lm	3000 K	○	M141520	M141521
					●	M141510	M141511
					◑	M141580	M141581
					●	M141550	M141551
			2623 lm	4000 K	○	M141720	M141721
					●	M141710	M141711
					◑	M141780	M141781
					●	M141750	M141751

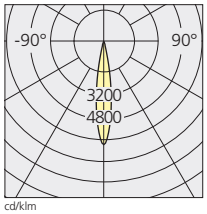
IP20 ⊡ 850°



* Supplied with independent power supply for LED, non-dimmable.
** Supplied with independent power supply for LED, Dimmable-Dali-SwitchDim.
Voltage: 220-240V. Insulation class II. SELV. IP20.

Airlite 2x8°	LED		luminaire	
Power	31 W	31 W	36 W	36 W
Flux	3454 lm	3695 lm	2768 lm	2962 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (min.)			
Color tolerance	MacAdam 3SDCM			
Service life	L70(6K)>36000h			
Beam			2x8°	2x8°
Efficiency			80%	80%
Efficacy	111 lm/W	119 lm/W	76 lm/W	81 lm/W

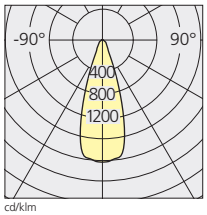
36 W



3000 K α=2x8°				4000 K α=2x8°			
H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
1	0,29	18063	8829	1	0,29	19329	9448
2	0,58	4516	2207	2	0,58	4832	2362
3	0,86	2007	981	3	0,86	2148	1050
4	1,15	1129	552	4	1,15	1208	590
5	1,44	723	353	5	1,44	773	378

Airlite 2x18°	LED		luminaire	
Power	31 W	31 W	36 W	36 W
Flux	3454 lm	3695 lm	2452 lm	2623 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (min.)			
Color tolerance	MacAdam 3SDCM			
Service life	L70(6K)>36000h			
Beam			2x18°	2x18°
Efficiency			71%	71%
Efficacy	111 lm/W	119 lm/W	67 lm/W	72 lm/W

36 W



3000 K α=2x18°				4000 K α=2x18°			
H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
1	0,63	4961	2151	1	0,63	5307	2301
2	1,27	1240	538	2	1,27	1327	575
3	1,90	551	239	3	1,90	590	256
4	2,54	310	134	4	2,54	332	144
5	3,17	198	86	5	3,17	212	92

White	Black	Polished aluminium	Bronze
○	●	◑	●

Accessories

	Color	Code
Accessories holder	○	M077820
	●	M077810
	◑	M077880
	●	M077850
Lens for ellittical emission		M078700
Soft filter		M078800
Chromatic filter	●	M078900
	●	M079000
	●	M079100
Anti-dazzle louvre	●	M078400
Asymmetric lens shield	●	M078500
Adjustable dowsers	●	M078600

Airlite suspension stable white

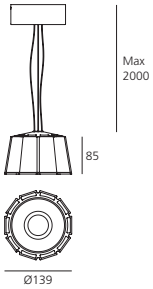
White ○ Black ● Polished aluminium ◑ Bronze ●

LED

W	Weight	Beam	Flux	CCT	Color	Code
24 W	0,95 kg	2x39°	1492 lm	3000 K	○	M141820
					●	M141810
					◑	M141880
					●	M141850
			1596 lm	4000 K	○	M141920
					●	M141910
					◑	M141980
					●	M141950

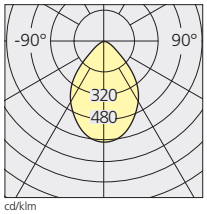
non dimmable

IP20 ⏚
850°



Airlite 2x39°	LED		luminaire	
Power	21 W	21 W	24 W	24 W
Flux	2260 lm	2420 lm	1492 lm	1596 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (min.)			
Color tolerance	MacAdam 3SDCM			
Service life	L70(6K)>36000h			
Beam			2x39°	2x39°
Efficiency			66%	66%
Efficacy	108 lm/W	115 lm/W	60 lm/W	65 lm/W

24 W



cd/klm

3000 K α=2x39°				4000 K α=2x39°			
H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
1	1,60	976	234	1	1,60	1044	250
2	3,19	244	58	2	3,19	261	63
3	4,79	108	26	3	4,79	108	26
4	6,39	61	15	4	6,39	65	16
5	7,98	39	9	5	7,98	42	10

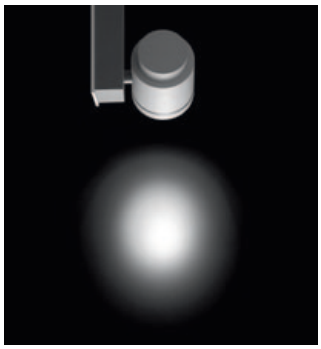
Picto

Studio Artemide

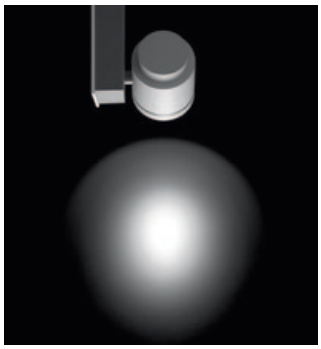
2013 (LED)
2009 (Other sources)

This range of professional projectors is distinguished by design, excellent performance and flexibility. Picto is a complete and versatile range, suitable for use in retail spaces, showrooms, museums or art galleries. Available in 3 sizes, with different light sources (LED, metal halide, halogen), installation options, designs, colours, optics and a wide range of accessories.

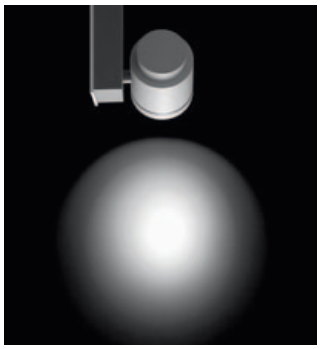
Picto



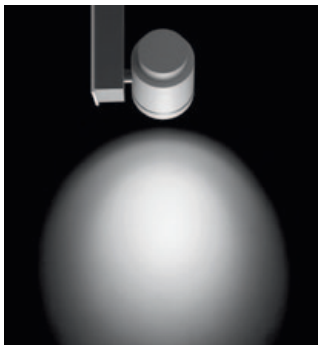
Spot **(SP)**
2x5° < angle ≤ 2x10°
To highlight small objects.



Medium flood **(MFL)**
2x10° < angle ≤ 2x15°
Standard feature for accent lighting of objects of all sizes.



Flood **(FL)**
2x15° < angle ≤ 2x20°
For accent lighting of large objects.



Wide flood **(WFL)**
2x20° < angle ≤ 2x30°

Very Wide flood **(VWFL)**
angle > 30°
For diffused lighting of surfaces and parts of an environment, or to highlight products.

		SP	MFL	FL	WFL	VWFL
Picto 70	**LED**	●			●	
	HIT	●	●	●		
Picto 100	**LED**	●		●		
	HALO	●		●	●	
	HIT	●	●	●	●	
Picto 125	**LED**		●	●		
	HIT		●		●	●
	HALO QR111	●				●

LED	HIT	HALO

- Series of high-output LED adjustable projectors, available also in 12V halogen and metal halide.
- 3 colours available.
- 2 different designs: with horizontal or vertical power supply unit.
- Optical units available in 3 sizes, depending on the light source: 70 mm, 100 mm, 125 mm.
- Defined narrow beams in the LED version, thanks to the hybrid optical system (Picto 125).
- Beam angles between 2x5° and 2x33°.
- Excellent quality of light:

  Picto 125 Tuneable White (LED):
  colour temperature can be adjusted from 2,900K to 5,500K – CRI>91 (min).

  Picto 70, 100, 125 White (LED):
  available in warm white (3000K)
  and neutral white (4000K). CRI=80 (min. Picto 125), CRI=82 (typ Picto 70,100).
- Adjustability: -90°/+90°, rotation up to 355°.
- Precise aiming of the projectors, thanks to advanced locking system.
- Wide range of accessories: UV filters, chromatic filters, louvres, asymmetric diffuser, adjustable dowsers, Gobo to project images or control shape of beam.
- 2 installation options: with 3-circuit track adapter (available for ceiling mounted option), or base plate for ceiling mounting.
- Electronic power supply: with DALI dimmable, Switch DIM or non-dimmable options (depending on light source).
- Materials: injection-moulded aluminium head, aluminium or polymer body, pure aluminium reflectors.
- Compliant to standard EN60598-1 and other specific regulations.

Picto track

○ White ● Black ● Silver

Picto Color map

White ○ Black ● Silver ●

Accessory-holder colour

○ White

● Black

Projector corresponding colour

Black ●

White ○

Silver ●

following pages

Picto 125 HIT-HALO track
Roberto Cavalli headquarters and showroom
Milan (Italy)
Arch: Roberto Cavalli A&DD
Photo: Beppe Raso

above and right

Picto 100 HIT-HALO track
Esprit concept store - Dusseldorf
(Germany)

Picto 70 LED track

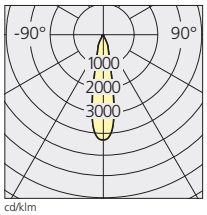
White ○ Black ● Silver ●

LED non dimmable

W	Weight	Beam	Flux	CCT	Color	Vertical Code	Horizontal Code
18 W	0,75 kg	2x9°	704 lm	3000 K	○	M222233	M222633
					●	M222243	M222643
					●	M222263	M222663
			757 lm	4000 K	○	M222333	M222733
					●	M222343	M222743
					●	M222363	M222763
		2x19°	729 lm	3000 K	○	M222433	M222833
					●	M222443	M222843
					●	M222463	M222863
			832 lm	4000 K	○	M222533	M222933
					●	M222543	M222943
					●	M222563	M222963

Picto 70 LED 2x9°	LED		luminaire	
Power	15 W	15 W	18 W	18 W
Flux	1160 lm	1320 lm	704 lm	757 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=82 (typ.)			
Color tolerance	MacAdam 4SDCM			
Service life	L70(6K) > 36000h			
Beam			2x9°	2x9°
Efficiency			61%	61%
Efficacy	77 lm/W	88 lm/W	39 lm/W	42 lm/W

18 W

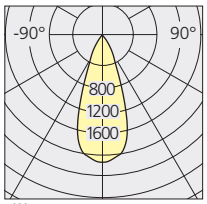


cd/klm

3000 K α=2x9°				4000 K α=2x9°			
H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
1	0,32	3156	1532	1	0,32	3393	1647
2	0,64	789	383	2	0,64	848	412
3	0,96	351	170	3	0,96	377	183
4	1,28	197	96	4	1,28	212	103
5	1,60	126	61	5	1,60	136	66

Picto 70 LED 2x19°	LED		luminaire	
Power	15 W	15 W	18 W	18 W
Flux	1160 lm	1320 lm	729 lm	832 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=82 (typ.)			
Color tolerance	MacAdam 4SDCM			
Service life	L70(6K) > 36000h			
Beam			2x19°	2x19°
Efficiency			63%	63%
Efficacy	77 lm/W	88 lm/W	41 lm/W	46 lm/W

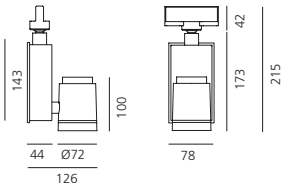
18 W



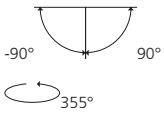
cd/klm

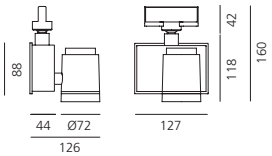
3000 K α=2x19°				4000 K α=2x19°			
H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
1	0,69	1609	685	1	0,69	1837	782
2	1,38	402	171	2	1,38	459	196
3	2,07	179	76	3	2,07	204	87
4	2,75	101	43	4	2,75	115	49
5	3,44	64	27	5	3,44	73	31

White	Black	Silver
○	●	●



IP20 ⏚
850°





Accessories*

		Projector	Color*	Code
	Accessory-holder + asymmetric diffuser (black)	○	●	M083037
		●	○	M083017
		●	●	M083037
	Accessory-holder + adjustable dowsers (black)	○	●	M082837
		●	○	M082817
		●	●	M082837
	Accessory-holder + projection lens to control shape of beam	○	●	M083937
		●	○	M083917
		●	●	M083937
	Accessory-holder + projection lens for gobo Gobo to be ordered separately	○	●	M083837
		●	○	M083817
		●	●	M083837
	Customized gobo in silk-screen printed glass Ø 37,5 mm Thickness 1,1 mm Light fitting min Ø 10 mm max Ø 20 mm			M080800

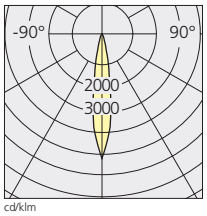
Picto 70 HIT/HALO track

White ○ Black ● Silver ●

HIT-TC-CE (GU6,5)

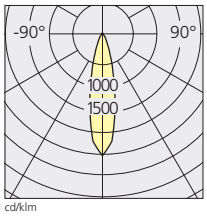
W	Weight	Beam	Flux	Color	Vertical Code	Horizontal Code
20 W	0,75 kg	2x7°	1600 lm	○	M223433SP	M224033SP
				●	M223443SP	M224043SP
				●	M223463SP	M224063SP
		2x12°	1600 lm	○	M223433MFL	M224033MFL
				●	M223443MFL	M224043MFL
				●	M223463MFL	M224063MFL
		2x20°	1600 lm	○	M223433FL	M224033FL
				●	M223443FL	M224043FL
				●	M223463FL	M224063FL
35 W		2x7°	3400 lm	○	M223533SP	M224133SP
				●	M223543SP	M224143SP
				●	M223563SP	M224163SP
		2x12°	3400 lm	○	M223533MFL	M224133MFL
				●	M223543MFL	M224143MFL
				●	M223563MFL	M224163MFL
		2x20°	3400 lm	○	M223533FL	M224133FL
				●	M223543FL	M224143FL
				●	M223563FL	M224163FL

20 W/1600 lm — Efficiency 62% α=2x7°



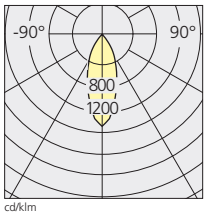
H m	Ø m	EMax lux	EM lux
1	0,28	7906	3858
2	0,56	1976	964
3	0,84	878	429
4	1,12	494	241
5	1,41	316	154

20 W/1600 lm — Efficiency 63% α=2x12°



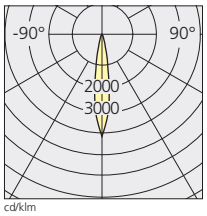
H m	Ø m	EMax lux	EM lux
1	0,41	4113	1940
2	0,83	1028	485
3	1,24	457	216
4	1,66	257	121
5	2,07	165	78

20 W/1600 lm — Efficiency 82% α=2x20°



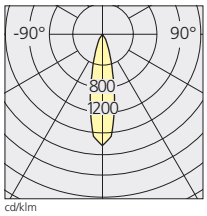
H m	Ø m	EMax lux	EM lux
1	0,67	2355	1008
2	1,35	589	252
3	2,02	262	112
4	2,69	147	63
5	3,37	94	40

35 W/3400 lm — Efficiency 46% α=2x7°



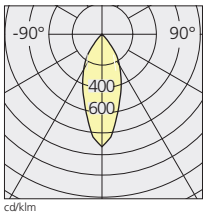
H m	Ø m	EMax lux	EM lux
1	0,24	14073	6927
2	0,48	3518	1732
3	0,72	1564	770
4	0,95	880	433
5	1,19	563	277

35 W/3400 lm — Efficiency 47% α=2x12°



H m	Ø m	EMax lux	EM lux
1	0,44	5828	2726
2	0,87	1457	682
3	1,31	648	303
4	1,74	364	170
5	2,18	233	109

35 W/3400 lm — Efficiency 56% α=2x20°



H m	Ø m	EMax lux	EM lux
1	0,72	3060	1277
2	1,45	765	319
3	2,17	340	142
4	2,90	191	80
5	3,62	122	51

QR-CBC51 (GU5,3)

W	Weight	Color	Vertical* Code	Horizontal* Code
12 V	0,62 kg	○	M223033	M223633
max50 W		●	M223043	M223643
		●	M223063	M223663

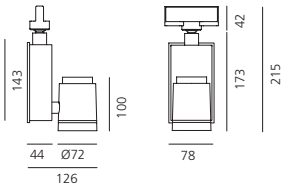
retrofit ▶ LED MR16 (GU5,3) 12V 7/10W

*Leading and trailing edge dimmable.

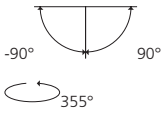
HIPAR51-CE-P (GX10)

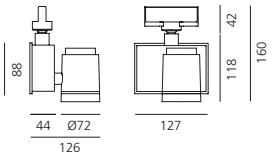
W	Weight	Color	Vertical Code	Horizontal Code
35 W	0,62 kg	○	M223133	M223733
		●	M223143	M223743
		●	M223163	M223763

White	Black	Silver
○	●	●



IP20 ⏚
850°





Accessories*

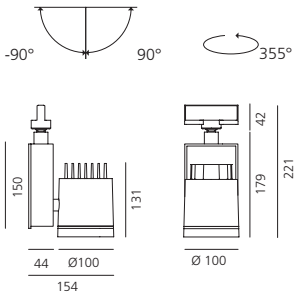
		Projector	Color*	Code
	Accessory-holder + asymmetric diffuser (black)	○	●	M083037
		●	○	M083017
		●	●	M083037
	Accessory-holder + adjustable dowsers (black)	○	●	M082837
		●	○	M082817
		●	●	M082837
	Accessory-holder + projection lens to control shape of beam	○	●	M083937
		●	○	M083917
		●	●	M083937
	Accessory-holder + projection lens for gobo Gobo to be ordered separately	○	●	M083837
		●	○	M083817
		●	●	M083837
	Customized gobo in silk-screen printed glass Ø 37,5 mm Thickness 1,1 mm Light fitting min Ø 10 mm max Ø 20 mm			M080800

Picto 100 LED track Vertical

White ○ Black ● Silver ●

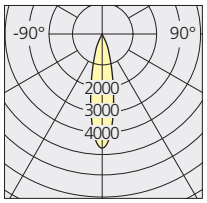
LED						non dimmable	Dali dimmable
W	Weight	Beam	Flux	CCT	Color	Code	Code
23 W	1,20 kg	2x11°	1169 lm	3000 K	○	M229533	M236633
					●	M229543	M236643
					●	M229563	M236663
			1250 lm	4000 K	○	M229633	M236733
					●	M229643	M236743
					●	M229663	M236763
		2x20°	1211 lm	3000 K	○	M229733	M236833
					●	M229743	M236843
					●	M229763	M236863
			1296 lm	4000 K	○	M229833	M236933
					●	M229843	M236943
					●	M229863	M236963

IP20 ⏚ 850°



Picto 100 LED 2x11°	LED		luminaire	
Power	19 W	19 W	23 W	23 W
Flux	1916 lm	2049 lm	1169 lm	1250 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=82 (typ.)			
Color tolerance	MacAdam 4SDCM			
Service life	L70(6K) > 36000h			
Beam			2x11°	2x11°
Efficiency			61%	61%
Efficacy	100 lm/W	108 lm/W	51 lm/W	54 lm/W

23 W

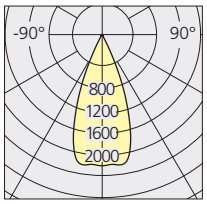


cd/klm

3000 K α=2x11°				4000 K α=2x11°			
H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
1	0,40	5162	2453	1	0,40	5520	2623
2	0,81	1291	613	2	0,81	1380	656
3	1,21	574	273	3	1,21	613	291
4	1,61	323	153	4	1,61	345	164
5	2,02	206	98	5	2,02	221	105

Picto 100 LED 2x20°	LED		luminaire	
Power	19 W	19 W	23 W	23 W
Flux	1985 lm	2124 lm	1211 lm	1296 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=82 (typ.)			
Color tolerance	MacAdam 4SDCM			
Service life	L70(6K) > 36000h			
Beam			2x20°	2x20°
Efficiency			61%	61%
Efficacy	104 lm/W	111 lm/W	53 lm/W	56 lm/W

23 W



cd/klm

3000 K α=2x20°				4000 K α=2x20°			
H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
1	0,75	2671	1110	1	0,75	2858	1187
2	1,50	668	277	2	1,50	715	297
3	2,26	297	123	3	2,26	318	132
4	3,01	167	69	4	3,01	179	74
5	3,76	107	44	5	3,76	114	47

Accessories*

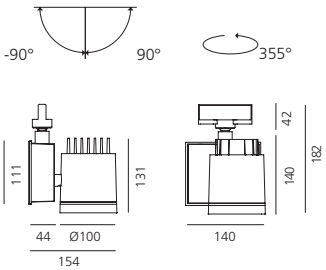
	Projector	Color*	Code
Accessory-holder + asymmetric diffuser (black)	○	●	M082737
	●	○	M082717
	●	●	M082737
Accessory-holder + adjustable dowsers (black)	○	●	M082637
	●	○	M082617
	●	●	M082637
Accessory-holder + anti-dazzle louvre	○	●	M081737
	●	○	M081717
	●	●	M081737

Picto 100 LED track Horizontal

White ○ Black ● Silver ●

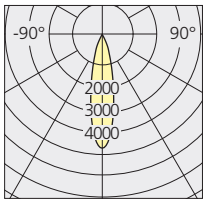
LED						non dimmable	Dali dimmable
W	Weight	Beam	Flux	CCT	Color	Code	Code
23 W	1,20 kg	2x11°	1169 lm	3000 K	○	M236233	M237033
					●	M236243	M237043
					●	M236263	M237063
			1250 lm	4000 K	○	M236333	M237133
					●	M236343	M237143
					●	M236363	M237163
		2x20°	1211 lm	3000 K	○	M236433	M237233
					●	M236443	M237243
					●	M236463	M237263
			1296 lm	4000 K	○	M236533	M237333
					●	M236543	M237343
					●	M236563	M237363

IP20 ⏚ 850°



Picto 100 LED 2x11°	LED		luminaire	
Power	19 W	19 W	23 W	23 W
Flux	1916 lm	2049 lm	1169 lm	1250 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=82 (typ.)			
Color tolerance	MacAdam 4SDCM			
Service life	L70(6K) > 36000h			
Beam			2x11°	2x11°
Efficiency			61%	61%
Efficacy	100 lm/W	108 lm/W	51 lm/W	54 lm/W

23 W

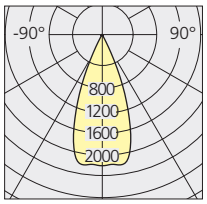


cd/klm

3000 K α=2x11°				4000 K α=2x11°			
H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
1	0,40	5162	2453	1	0,40	5520	2623
2	0,81	1291	613	2	0,81	1380	656
3	1,21	574	273	3	1,21	613	291
4	1,61	323	153	4	1,61	345	164
5	2,02	206	98	5	2,02	221	105

Picto 100 LED 2x20°	LED		luminaire	
Power	19 W	19 W	23 W	23 W
Flux	1985 lm	2124 lm	1211 lm	1296 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=82 (typ.)			
Color tolerance	MacAdam 4SDCM			
Service life	L70(6K) > 36000h			
Beam			2x20°	2x20°
Efficiency			61%	61%
Efficacy	104 lm/W	111 lm/W	53 lm/W	56 lm/W

23 W



cd/klm

3000 K α=2x20°				4000 K α=2x20°			
H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
1	0,75	2671	1110	1	0,75	2858	1187
2	1,50	668	277	2	1,50	715	297
3	2,26	297	123	3	2,26	318	132
4	3,01	167	69	4	3,01	179	74
5	3,76	107	44	5	3,76	114	47

Accessories*

	Projector	Color*	Code
Accessory-holder + asymmetric diffuser (black)	○	●	M082737
	●	○	M082717
	●	●	M082737
Accessory-holder + adjustable dowsers (black)	○	●	M082637
	●	○	M082617
	●	●	M082637
Accessory-holder + anti-dazzle louvre	○	●	M081737
	●	○	M081717
	●	●	M081737

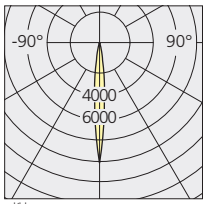
Picto 100 HIT/HALO track

White ○ Black ● Silver ●

HIT-TC-CE (G8,5)

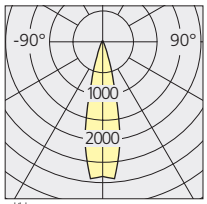
W	Weight	Beam	Flux	Color	Vertical Code	Horizontal Code
35 W	1,00 kg	2x5°	3400 lm	○	M224233SP	M224733SP
				●	M224243SP	M224743SP
				●	M224263SP	M224763SP
		2x13°	3400 lm	○	M224233MFL	M224733MFL
				●	M224243MFL	M224743MFL
				●	M224263MFL	M224763MFL
		2x17°	3400 lm	○	M224233FL	M224733FL
				●	M224243FL	M224743FL
				●	M224263FL	M224763FL
		2x21°	3400 lm	○	M224233WFL	M224733WFL
				●	M224243WFL	M224743WFL
				●	M224263WFL	M224763WFL
70 W	1,00 kg	2x5°	6600 lm	○	M224333SP	M224833SP
				●	M224343SP	M224843SP
				●	M224363SP	M224863SP
		2x13°	6600 lm	○	M224333MFL	M224833MFL
				●	M224343MFL	M224843MFL
				●	M224363MFL	M224863MFL
		2x17°	6600 lm	○	M224333FL	M224833FL
				●	M224343FL	M224843FL
				●	M224363FL	M224863FL
		2x21°	6600 lm	○	M224333WFL	M224833WFL
				●	M224343WFL	M224843WFL
				●	M224363WFL	M224863WFL

35 W/3400 lm — Efficiency 58% α=2x5°



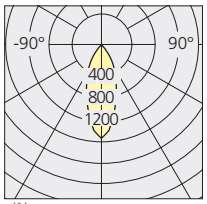
H m	Ø m	EMax lux	EM lux
1	0,16	32751	16379
2	0,32	8188	4095
3	0,48	3639	1820
4	0,64	2047	1024
5	0,80	1310	655

35 W/3400 lm — Efficiency 64% α=2x13°



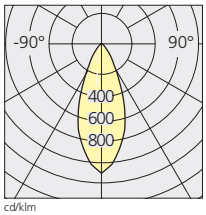
H m	Ø m	EMax lux	EM lux
1	0,45	9356	4469
2	0,90	2339	1117
3	1,35	1040	497
4	1,80	585	279
5	2,25	374	179

35 W/3400 lm — Efficiency 65% α=2x17°



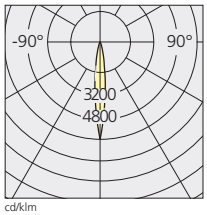
H m	Ø m	EMax lux	EM lux
1	0,58	5762	2568
2	1,17	1441	642
3	1,75	640	285
4	2,34	360	161
5	2,92	230	103

35 W/3400 lm — Efficiency 63% α=2x21°



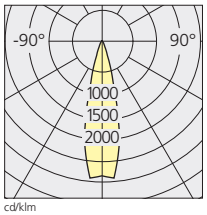
H m	Ø m	EMax lux	EM lux
1	0,74	3748	1554
2	1,48	937	388
3	2,22	416	173
4	2,96	234	97
5	3,70	150	62

70 W/6600 lm — Efficiency 61% α=2x5°



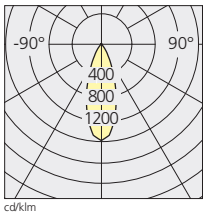
H m	Ø m	EMax lux	EM lux
1	0,21	43380	21521
2	0,42	10845	5380
3	0,63	4820	2391
4	0,84	2711	1345
5	1,05	1735	861

70 W/6600 lm — Efficiency 64% α=2x13°



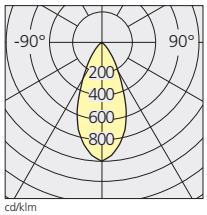
H m	Ø m	EMax lux	EM lux
1	0,45	18713	8937
2	0,90	4678	2234
3	1,35	2079	993
4	1,80	1170	559
5	2,25	749	357

70 W/6600 lm — Efficiency 70% α=2x17°



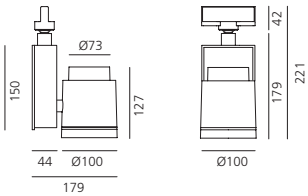
H m	Ø m	EMax lux	EM lux
1	0,63	10437	4558
2	1,25	2609	1139
3	1,88	1160	506
4	2,51	652	285
5	3,13	417	182

70 W/6600 lm — Efficiency 68% α=2x21°

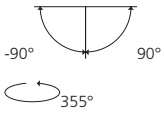


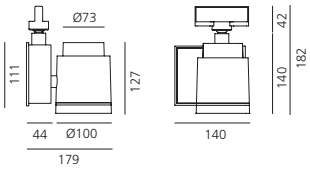
H m	Ø m	EMax lux	EM lux
1	0,83	6594	2607
2	1,67	1649	652
3	2,50	733	290
4	3,33	412	163
5	4,16	264	104

White ○ Black ● Silver ●



IP20 ⏚
850°

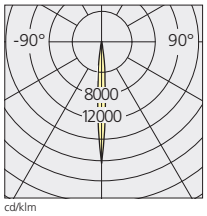




QT12-UVr-ax (Gy6,35)					Vertical*	Horizontal*
W	Weight	Beam	Flux	Color	Code	Code
12 V max 60 W	1,00 kg	2x7°	1650 lm	○	M224433SP	M224933SP
				●	M224443SP	M224943SP
				●	M224463SP	M224963SP
		2x17°	1650 lm	○	M224433FL	M224933FL
				●	M224443FL	M224943FL
				●	M224463FL	M224963FL
		2x23°	1650 lm	○	M224433WFL	M224933WFL
				●	M224443WFL	M224943WFL
				●	M224463WFL	M224963WFL

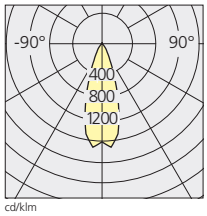
*Leading and trailing edge dimmable.

60 W/1650 lm — Efficiency 74% α=2x7°



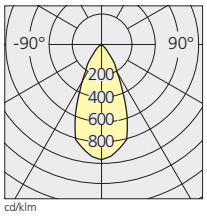
H m	Ø m	EMax lux	EM lux
1	0,13	32130	16261
2	0,25	8033	4065
3	0,38	3570	1807
4	0,50	2008	1016
5	0,63	1285	650

60 W/1650 lm — Efficiency 68% α=2x17°



H m	Ø m	EMax lux	EM lux
1	0,61	2725	1270
2	1,22	681	318
3	1,83	303	141
4	2,45	170	79
5	3,06	109	51

60 W/1650 lm — Efficiency 67% α=2x23°



H m	Ø m	EMax lux	EM lux
1	0,86	1552	607
2	1,72	388	152
3	2,58	172	67
4	3,45	97	38
5	4,31	62	24

Accessories*

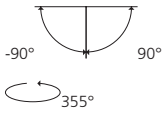
		Projector	Color*	Code
	Accessory-holder + asymmetric diffuser (black)	○	●	M082737
		●	○	M082717
		●	●	M082737
	Accessory-holder + adjustable dowsers (black)	○	●	M082637
		●	○	M082617
		●	●	M082637
	Accessory-holder + anti-dazzle louvre	○	●	M081737
		●	○	M081717
		●	●	M081737
	UV Filter			M080545

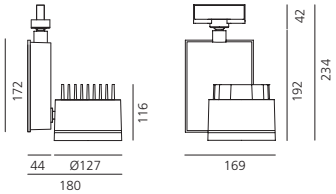
Picto 125 LED track tunable white

White ○ Black ● Silver ●

LED						manual adjustment
W	Weight	Beam	Flux	CCT	Color	Code
35 W	2,60 kg	2x8°	1335 lm	2900 K-5500 K	○	M278033
					●	M278043
					●	M278063
		2x18°	1238 lm	2900 K - 5500 K	○	M278133
					●	M278143
					●	M278163

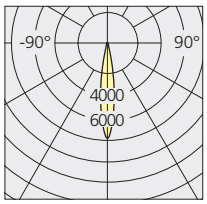
IP20 ⏚
850°





Picto 125 LED TW 2x8°	LED	luminaire
Power	30 W	35 W
Flux	2428 lm	1335 lm
CCT	2900 K-5500 K	2900 K-5500 K
CRI	>93 (min.)	
Color tolerance		
Service life		
Beam		2x8°
Efficiency		55%
Efficacy	81 lm/W	38 lm/W

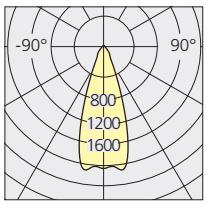
35 W — 2900 K-5500 K — α=2x8°



H m	Ø m	EMax lux	EM lux
1	0,28	10259	4997
2	0,57	2565	1249
3	0,85	1140	555
4	1,14	641	312
5	1,44	410	200

Picto 125 LED TW 2x18°	LED	luminaire
Power	30 W	35 W
Flux	2428 lm	1238 lm
CCT	2900 K-5500 K	2900 K-5500 K
CRI	>93 (min.)	
Color tolerance		
Service life		
Beam		2x18°
Efficiency		51%
Efficacy	81 lm/W	35 lm/W

35 W — 2900 K-5500 K — α=2x18°

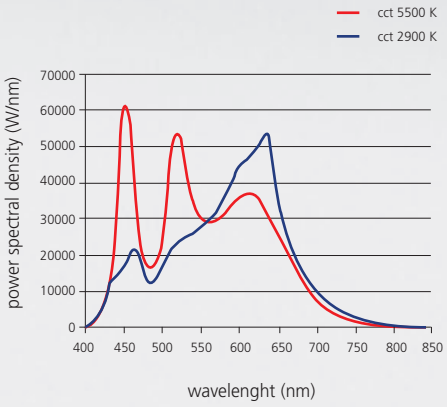


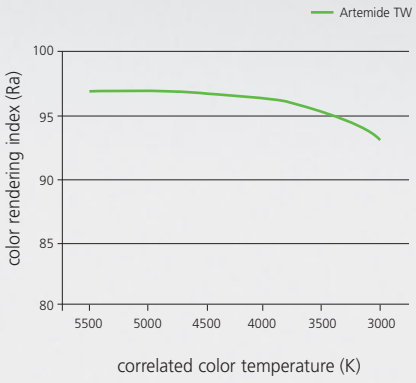
H m	Ø m	EMax lux	EM lux
1	0,67	2524	1104
2	1,33	631	276
3	2,00	280	123
4	2,66	158	69
5	3,33	101	44

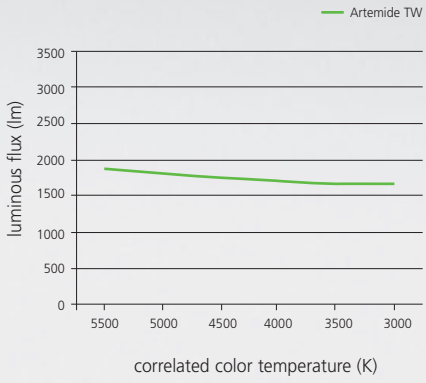
Accessories*

	Projector	Color*	Code
Accessory-holder + asymmetric diffuser (black)	○	●	M083137
	●	○	M083117
	●	●	M083137
Accessory-holder + adjustable dowsers (black)	○	●	M082937
	●	○	M082917
	●	●	M082937
Accessory-holder + anti-dazzle louvre	○	●	M083337
	●	○	M083317
	●	●	M083337
Accessory-holder + lens for ellittical emission	○	●	M083437
	●	○	M083417
	●	●	M083437

TW®
Artemide Tunable White





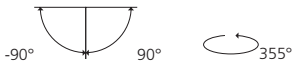


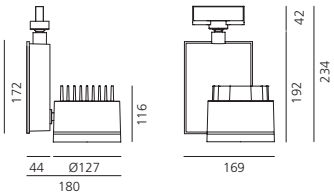
Picto 125 LED track stable white

White ○ Black ● Silver ●

LED						non dimmable	Dali dimmable
W	Weight	Beam	Flux	CCT	Color	Code	Code
36 W	2,60 kg	2x8°	2072 lm	3000 K	○	M237433	M243633
					●	M237443	M243643
					●	M237463	M243663
			2217 lm	4000 K	○	M237533	M243733
					●	M237543	M243743
					●	M237563	M243763
		2x18°	1900 lm	3000 K	○	M237633	M243833
					●	M237643	M243843
					●	M237663	M243863
			2032 lm	4000 K	○	M237733	M243933
					●	M237743	M243943
					●	M237763	M243963

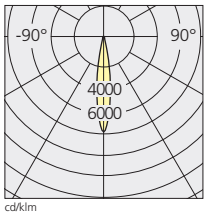
IP20 ⏚ 850°





Picto 125 LED 2x8°	LED		luminaire	
Power	31 W	31 W	36 W	36 W
Flux	3454 lm	3695 lm	2072 lm	2217 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (min.)			
Color tolerance	MacAdam 3SDCM			
Service life	L70(6K) > 36000h			
Beam			2x8°	2x8°
Efficiency			60%	60%
Efficacy	111 lm/W	119 lm/W	57 lm/W	62 lm/W

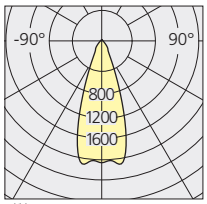
36 W



3000 K α=2x8°				4000 K α=2x8°			
H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
1	0,28	15922	7756	1	0,28	17037	8299
2	0,57	3981	1939	2	0,57	4259	2075
3	0,85	1769	862	3	0,85	1893	922
4	1,14	995	485	4	1,14	1065	519
5	1,42	637	310	5	1,42	681	332

Picto 125 LED 2x18°	LED		luminaire	
Power	31 W	31 W	36 W	36 W
Flux	3454 lm	3695 lm	1900 lm	2032 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (min.)			
Color tolerance	MacAdam 3SDCM			
Service life	L70(6K) > 36000h			
Beam			2x18°	2x18°
Efficiency			55%	55%
Efficacy	111 lm/W	119 lm/W	52 lm/W	56 lm/W

36 W



3000 K α=2x18°				4000 K α=2x18°			
H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
1	0,67	3872	1694	1	0,67	4143	1812
2	1,33	968	423	2	1,33	1036	453
3	2,00	430	188	3	2,00	460	201
4	2,66	242	106	4	2,66	259	113
5	3,33	155	68	5	3,33	166	72

Accessories*

	Projector	Color*	Code
Accessory-holder + asymmetric diffuser (black)	○	●	M083137
	●	○	M083117
	●	●	M083137
Accessory-holder + adjustable dowsers (black)	○	●	M082937
	●	○	M082917
	●	●	M082937
Accessory-holder + anti-dazzle louvre	○	●	M083337
	●	○	M083317
	●	●	M083337
Accessory-holder + lens for ellittical emission	○	●	M083437
	●	○	M083417
	●	●	M083437

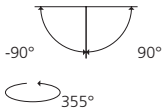
Picto 125 HIT track

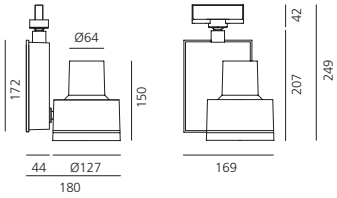
White ○ Black ● Silver ●

HIT (G12)

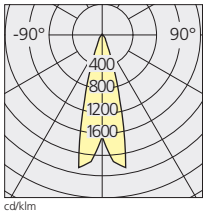
W	Weight	Beam	Flux	Color	Code
35 W	2,40 kg	2x14°	3300 lm	○	M225433MFL
				●	M225443MFL
				●	M225463MFL
		2x23°	3300 lm	○	M225433WFL
				●	M225443WFL
				●	M225463WFL
		2x33°	3300 lm	○	M225433VWFL
				●	M225443VWFL
				●	M225463VWFL
70 W	2,40 kg	2x14°	6600 lm	○	M225533MFL
				●	M225543MFL
				●	M225563MFL
		2x23°	6600 lm	○	M225533WFL
				●	M225543WFL
				●	M225563WFL
		2x33°	6600 lm	○	M225533VWFL
				●	M225543VWFL
				●	M225563VWFL
150 W	2,40 kg	2x14°	14000 lm	○	M225633MFL
				●	M225643MFL
				●	M225663MFL
		2x23°	14000 lm	○	M225633WFL
				●	M225643WFL
				●	M225663WFL
		2x33°	14000 lm	○	M225633VWFL
				●	M225643VWFL
				●	M225663VWFL

IP20 ⏚
850°



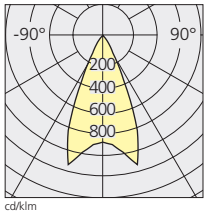


35 W/3300 lm — Efficiency 70% α=2x14°



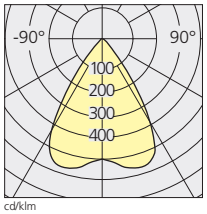
H m	Ø m	EMax lux	EM lux
1	0,54	5557	3332
2	1,07	1389	833
3	1,61	617	370
4	2,14	347	208
5	2,68	222	133

35 W/3300 lm — Efficiency 72% α=2x23°



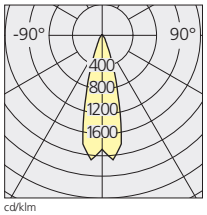
H m	Ø m	EMax lux	EM lux
1	0,82	3435	1804
2	1,65	859	451
3	2,47	382	200
4	3,30	215	113
5	4,12	137	72

35 W/3300 lm — Efficiency 77% α=2x33°



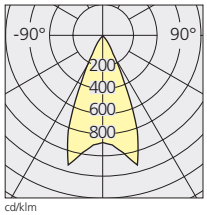
H m	Ø m	EMax lux	EM lux
1	1,30	1141	788
2	2,61	285	197
3	3,91	127	88
4	5,22	71	49
5	6,52	46	32

70 W/6600 lm — Efficiency 64% α=2x14°



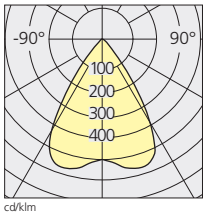
H m	Ø m	EMax lux	EM lux
1	0,53	12440	6178
2	1,06	3110	1545
3	1,59	1382	686
4	2,11	778	386
5	2,64	498	247

70 W/6600 lm — Efficiency 67% α=2x23°



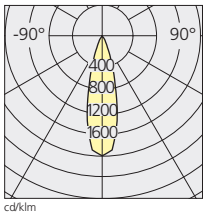
H m	Ø m	EMax lux	EM lux
1	0,86	5928	2883
2	1,72	1482	721
3	2,58	659	320
4	3,45	370	180
5	4,31	237	115

70 W/6600 lm — Efficiency 71% α=2x33°



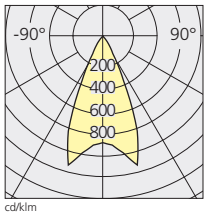
H m	Ø m	EMax lux	EM lux
1	1,35	2553	1294
2	2,70	638	324
3	4,05	284	144
4	5,40	160	81
5	6,75	102	52

150 W/14000 lm — Efficiency 57% α=2x14°



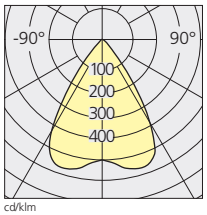
H m	Ø m	EMax lux	EM lux
1	0,48	27798	12795
2	0,97	6950	3199
3	1,45	3089	1422
4	1,94	1737	800
5	2,42	1112	512

150 W/14000 lm — Efficiency 67% α=2x23°



H m	Ø m	EMax lux	EM lux
1	0,86	12573	6115
2	1,72	3143	1529
3	2,58	1397	679
4	3,45	786	382
5	4,31	503	245

150 W/14000 lm — Efficiency 63% α=2x33°



H m	Ø m	EMax lux	EM lux
1	1,32	7182	2348
2	2,65	1796	587
3	3,97	798	261
4	5,30	449	147
5	6,62	287	94

White ○ Black ● Silver ●

Accessories*

	Projector	Color*	Code
Accessory-holder + asymmetric diffuser (black)	○	●	M083137
	●	○	M083117
	●	●	M083137
Accessory-holder + adjustable dowsers (black)	○	●	M082937
	●	○	M082917
	●	●	M082937
Accessory-holder + anti-dazzle louvre	○	●	M083337
	●	○	M083317
	●	●	M083337
Accessory-holder + IR filter	○	●	M083537
	●	○	M083517
	●	●	M083537
Accessory-holder + lens for ellittical emission	○	●	M083437
	●	○	M083417
	●	●	M083437
Accessory-holder + chromatic filter Warmtone	○	●	M083637
	●	○	M083617
	●	●	M083637
Accessory-holder + chromatic filter Coldtone	○	●	M083737
	●	○	M083717
	●	●	M083737
UV Filter			M080535

Picto 125 HALO track

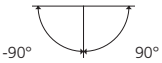
White ○ Black ● Silver ●

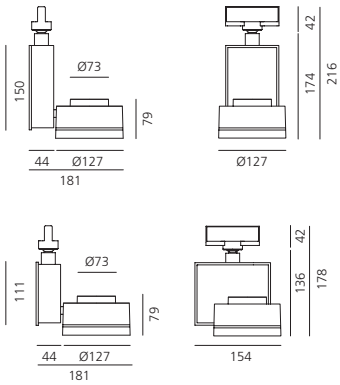
QR111 (G53)			Vertical*	Horizontal*
W	Weight	Color	Code	Code
12 V	0,90 kg	○	M225233	M225333
max 100 W		●	M225243	M225343
		●	M225263	M225363

retrofit ▶ MASTER LEDspot AR111 (G53) 12V 10/15W

*Leading and trailing edge dimmable.

IP20 ⏚ 850°





Accessories*

		Projector	Color*	Code
	Accessory-holder + asymmetric diffuser (black)	○	●	M083137
		●	○	M083117
		●	●	M083137
	Accessory-holder + adjustable dowsers (black)	○	●	M082937
		●	○	M082917
		●	●	M082937
	Accessory-holder + anti-dazzle louvre	○	●	M083337
		●	○	M083317
		●	●	M083337
	Accessory-holder + IR filter	○	●	M083537
		●	○	M083517
		●	●	M083537
	Accessory-holder + lens for ellittical emission	○	●	M083437
		●	○	M083417
		●	●	M083437
	Accessory-holder + chromatic filter Warmtone	○	●	M083637
		●	○	M083617
		●	●	M083637
	Accessory-holder + chromatic filter Coldtone	○	●	M083737
		●	○	M083717
		●	●	M083737
	UV Filter			M080535

right

Picto 125 HIT-HALO track
Roberto Cavalli headquarters
and showroom - Milan (Italy)
Arch: Roberto Cavalli A&DD
Photo: Beppe Raso

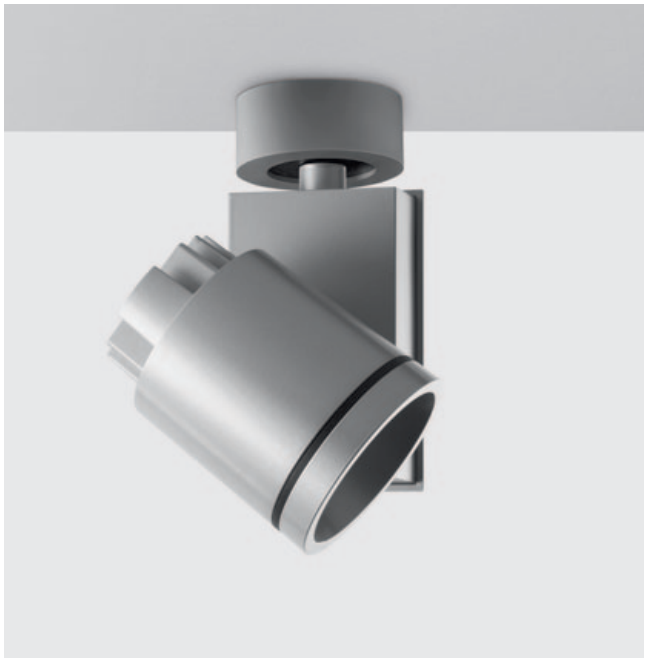
- Series of high-output LED adjustable projectors, available also in 12V halogen and metal halide.
- 3 colours available.
- 2 different designs: with horizontal or vertical power supply unit.
- Optical units available in 3 sizes, depending on the light source: 70 mm, 100 mm, 125 mm.
- Defined narrow beams in the LED version, thanks to the hybrid optical system (Picto 125).
- Beam angles between 2x5° and 2x33°.
- Excellent quality of light:

  Picto 125 Tuneable White (LED):
  colour temperature can be adjusted from 2,900K to 5,500K – CRI>91 (min).

  Picto 70, 100, 125 White (LED):
  available in warm white (3000K)
  and neutral white (4000K). CRI=80 (min. Picto 125), CRI=82 (typ Picto 70,100).
- Adjustability: -90°/+90°, rotation up to 355°.
- Precise aiming of the projectors, thanks to advanced locking system.
- Wide range of accessories: UV filters, chromatic filters, louvres, asymmetric diffuser, adjustable dowsers, Gobo to project images or control shape of beam.
- 2 installation options: with 3-circuit track adapter (available for ceiling mounted option), or base plate for ceiling mounting.
- Electronic power supply: with DALI dimmable, Switch DIM or non-dimmable options (depending on light source).
- Materials: injection-moulded aluminium head, aluminium or polymer body, pure aluminium reflectors.
- Compliant to standard EN60598-1 and other specific regulations.

Picto ceiling

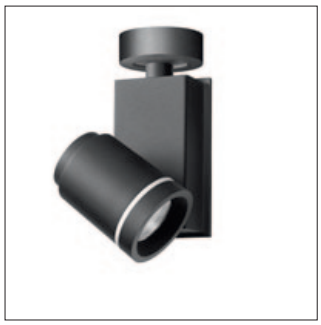
White Black Silver

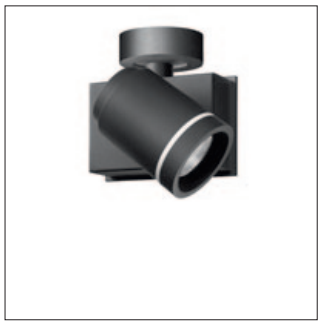


Picto 70 LED ceiling

White ○ Black ● Silver ●

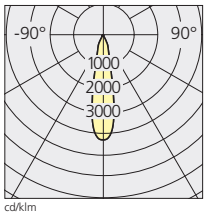
LED non dimmable						Vertical	Horizontal
W	Weight	Beam	Flux	CCT	Color	Code	Code
18 W	0,75 kg	2x9°	704 lm	3000 K	○	M222231	M222631
					●	M222241	M222641
					●	M222261	M222661
			757 lm	4000 K	○	M222331	M222731
					●	M222341	M222741
					●	M222361	M222761
		2x19°	729 lm	3000 K	○	M222431	M222831
					●	M222441	M222841
					●	M222461	M222861
			832 lm	4000 K	○	M222531	M222931
					●	M222541	M222941
					●	M222561	M222961





Picto 70 LED 2x9°	LED		luminaire	
Power	15 W	15 W	18 W	18 W
Flux	1160 lm	1320 lm	704 lm	757 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=82 (typ.)			
Color tolerance	MacAdam 4SDCM			
Service life	L70(6K) > 36000h			
Beam			2x9°	2x9°
Efficiency			61%	61%
Efficacy	77 lm/W	88 lm/W	39 lm/W	42 lm/W

18 W

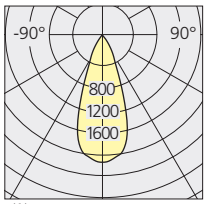


cd/klm

3000 K			α=2x9°	4000 K			α=2x9°
H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
1	0,32	3156	1532	1	0,32	3393	1647
2	0,64	789	383	2	0,64	848	412
3	0,96	351	170	3	0,96	377	183
4	1,28	197	96	4	1,28	212	103
5	1,60	126	61	5	1,60	136	66

Picto 70 LED 2x19°	LED		luminaire	
Power	15 W	15 W	18 W	18 W
Flux	1160 lm	1320 lm	729 lm	832 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=82 (typ.)			
Color tolerance	MacAdam 4SDCM			
Service life	L70(6K) > 36000h			
Beam			2x19°	2x19°
Efficiency			63%	63%
Efficacy	77 lm/W	88 lm/W	41 lm/W	46 lm/W

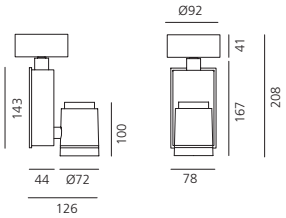
18 W



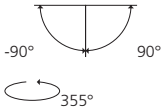
cd/klm

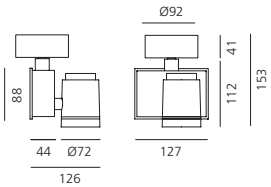
3000 K			α=2x19°	4000 K			α=2x19°
H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
1	0,69	1609	685	1	0,69	1837	782
2	1,38	402	171	2	1,38	459	196
3	2,07	179	76	3	2,07	204	87
4	2,75	101	43	4	2,75	115	49
5	3,44	64	27	5	3,44	73	31

White	Black	Silver
○	●	●



IP20 ⏚
850°





Accessories*

		Projector	Color*	Code
	Accessory-holder + asymmetric diffuser (black)	○	●	M083037
		●	○	M083017
		●	●	M083037
	Accessory-holder + adjustable dowsers (black)	○	●	M082837
		●	○	M082817
		●	●	M082837
	Accessory-holder + projection lens to control shape of beam	○	●	M083937
		●	○	M083917
		●	●	M083937
	Accessory-holder + projection lens for gobo Gobo to be ordered separately	○	●	M083837
		●	○	M083817
		●	●	M083837
	Customized gobo in silk-screen printed glass Ø 37,5 mm Thickness 1,1 mm Light fitting min Ø 10 mm max Ø 20 mm			M080800

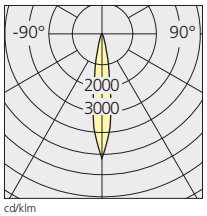
Picto 70 HIT/HALO ceiling

White ○ Black ● Silver ●

HIT-TC-CE (GU6,5)

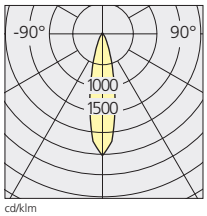
W	Weight	Beam	Flux	Color	Vertical Code	Horizontal Code
20 W	0,75 kg	2x7°	1600 lm	○	M223431SP	M224031SP
				●	M223441SP	M224041SP
				●	M223461SP	M224061SP
		2x12°	1600 lm	○	M223431MFL	M224031MFL
				●	M223441MFL	M224041MFL
				●	M223461MFL	M224061MFL
		2x20°	1600 lm	○	M223431FL	M224031FL
				●	M223441FL	M224041FL
				●	M223461FL	M224061FL
35 W		2x7°	3400 lm	○	M223531SP	M224131SP
				●	M223541SP	M224141SP
				●	M223561SP	M224161SP
		2x12°	3400 lm	○	M223531MFL	M224131MFL
				●	M223541MFL	M224141MFL
				●	M223561MFL	M224161MFL
		2x20°	3400 lm	○	M223531FL	M224131FL
				●	M223541FL	M224141FL
				●	M223561FL	M224161FL

20 W/1600 lm — Efficiency 62% α=2x7°



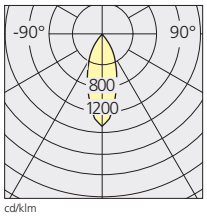
H m	Ø m	EMax lux	EM lux
1	0,28	7906	3858
2	0,56	1976	964
3	0,84	878	429
4	1,12	494	241
5	1,41	316	154

20 W/1600 lm — Efficiency 63% α=2x12°



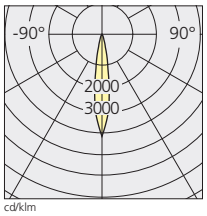
H m	Ø m	EMax lux	EM lux
1	0,41	4113	1940
2	0,83	1028	485
3	1,24	457	216
4	1,66	257	121
5	2,07	165	78

20 W/1600 lm — Efficiency 82% α=2x20°



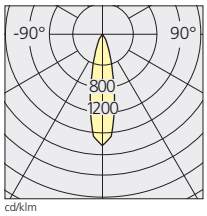
H m	Ø m	EMax lux	EM lux
1	0,67	2355	1008
2	1,35	589	252
3	2,02	262	112
4	2,69	147	63
5	3,37	94	40

35 W/3400 lm — Efficiency 46% α=2x7°



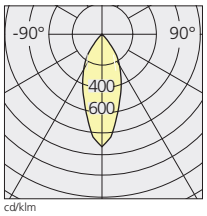
H m	Ø m	EMax lux	EM lux
1	0,24	14073	6927
2	0,48	3518	1732
3	0,72	1564	770
4	0,95	880	433
5	1,19	563	277

35 W/3400 lm — Efficiency 47% α=2x12°



H m	Ø m	EMax lux	EM lux
1	0,44	5828	2726
2	0,87	1457	682
3	1,31	648	303
4	1,74	364	170
5	2,18	233	109

35 W/3400 lm — Efficiency 56% α=2x20°



H m	Ø m	EMax lux	EM lux
1	0,72	3060	1277
2	1,45	765	319
3	2,17	340	142
4	2,90	191	80
5	3,62	122	51

QR-CBC51 (GU5,3)

W	Weight	Color	Vertical* Code	Horizontal* Code
12 V max 50 W	0,62 kg	○	M223031	M223631
		●	M223041	M223641
		●	M223061	M223661

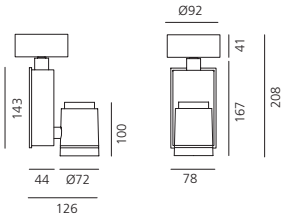
retrofit ▶ LED MR16 (GU5,3) 12V 7/10W

*Leading and trailing edge dimmable.

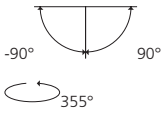
HIPAR51-CE-P (GX10)

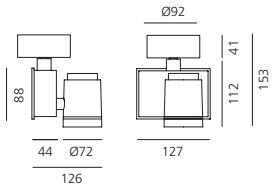
W	Weight	Color	Vertical Code	Horizontal Code
35 W	0,62 kg	○	M223131	M223731
		●	M223141	M223741
		●	M223161	M223761

White	Black	Silver
○	●	●



IP20 ⏚
850°





Accessories*

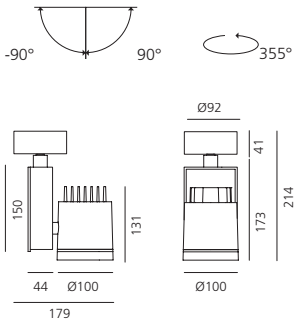
		Projector	Color*	Code
	Accessory-holder + asymmetric diffuser (black)	○	●	M083037
		●	○	M083017
		●	●	M083037
	Accessory-holder + adjustable dowsers (black)	○	●	M082837
		●	○	M082817
		●	●	M082837
	Accessory-holder + projection lens to control shape of beam	○	●	M083937
		●	○	M083917
		●	●	M083937
	Accessory-holder + projection lens for gobo Gobo to be ordered separately	○	●	M083837
		●	○	M083817
		●	●	M083837
	Customized gobo in silk-screen printed glass Ø 37,5 mm Thickness 1,1 mm Light fitting min Ø 10 mm max Ø 20 mm			M080800

Picto 100 LED ceiling Vertical

White ○ Black ● Silver ●

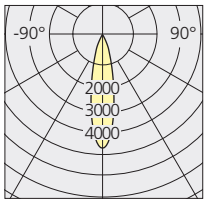
LED						non dimmable	Dali dimmable
W	Weight	Beam	Flux	CCT	Color	Code	Code
23 W	1,20 kg	2x11°	1169 lm	3000 K	○	M229531	M236631
					●	M229541	M236641
					●	M229561	M236661
			1250 lm	4000 K	○	M229631	M236731
					●	M229641	M236741
					●	M229661	M236761
		2x20°	1211 lm	3000 K	○	M229731	M236831
					●	M229741	M236841
					●	M229761	M236861
			1296 lm	4000 K	○	M229831	M236931
					●	M229841	M236941
					●	M229861	M236961

IP20 ⏚ 850°



Picto 100 LED 2x11°	LED		luminaire	
Power	19 W	19 W	23 W	23 W
Flux	1916 lm	2049 lm	1169 lm	1250 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=82 (typ.)			
Color tolerance	MacAdam 4SDCM			
Service life	L70(6K) > 36000h			
Beam			2x11°	2x11°
Efficiency			61%	61%
Efficacy	100 lm/W	108 lm/W	51 lm/W	54 lm/W

23 W

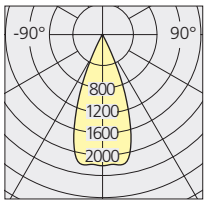


cd/klm

3000 K α=2x11°				4000 K α=2x11°			
H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
1	0,40	5162	2453	1	0,40	5520	2623
2	0,81	1291	613	2	0,81	1380	656
3	1,21	574	273	3	1,21	613	291
4	1,61	323	153	4	1,61	345	164
5	2,02	206	98	5	2,02	221	105

Picto 100 LED 2x20°	LED		luminaire	
Power	19 W	19 W	23 W	23 W
Flux	1985 lm	2124 lm	1211 lm	1296 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=82 (typ.)			
Color tolerance	MacAdam 4SDCM			
Service life	L70(6K) > 36000h			
Beam			2x20°	2x20°
Efficiency			61%	61%
Efficacy	104 lm/W	111 lm/W	53lm/W	56 lm/W

23 W



cd/klm

3000 K α=2x20°				4000 K α=2x20°			
H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
1	0,75	2671	1110	1	0,75	2858	1187
2	1,50	668	277	2	1,50	715	297
3	2,26	297	123	3	2,26	318	132
4	3,01	167	69	4	3,01	179	74
5	3,76	107	44	5	3,76	114	47

Accessories*

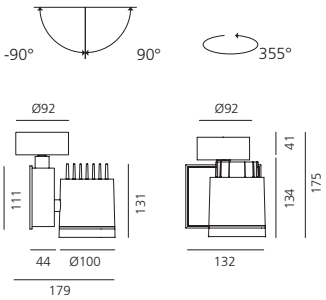
	Projector	Color*	Code
Accessory-holder + asymmetric diffuser (black)	○	●	M082737
	●	○	M082717
	●	●	M082737
Accessory-holder + adjustable dowsers (black)	○	●	M082637
	●	○	M082617
	●	●	M082637
Accessory-holder + anti-dazzle louvre	○	●	M081737
	●	○	M081717
	●	●	M081737

Picto 100 LED ceiling Horizontal

White ○ Black ● Silver ●

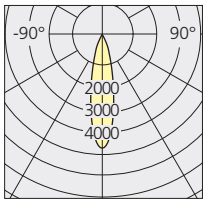
LED						non dimmable	Dali dimmable
W	Weight	Beam	Flux	CCT	Color	Code	Code
23 W	1,20 kg	2x11°	1169 lm	3000 K	○	M236231	M237031
					●	M236241	M237041
					●	M236261	M237061
			1250 lm	4000 K	○	M236331	M237131
					●	M236341	M237141
					●	M236361	M237161
		2x20°	1211 lm	3000 K	○	M236431	M237231
					●	M236441	M237241
					●	M236461	M237261
			1296 lm	4000 K	○	M236531	M237331
					●	M236541	M237341
					●	M236561	M237361

IP20 ⏚ 850°



Picto 100 LED 2x11°	LED		luminaire	
Power	19 W	19 W	23 W	23 W
Flux	1916 lm	2049 lm	1169 lm	1250 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=82 (typ.)			
Color tolerance	MacAdam 4SDCM			
Service life	L70(6K) > 36000h			
Beam			2x11°	2x11°
Efficiency			61%	61%
Efficacy	100 lm/W	108 lm/W	51 lm/W	54 lm/W

23 W — 3000 K α=2x11° — 4000 K α=2x11°

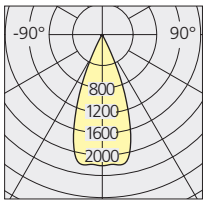


cd/klm

H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
1	0,40	5162	2453	1	0,40	5520	2623
2	0,81	1291	613	2	0,81	1380	656
3	1,21	574	273	3	1,21	613	291
4	1,61	323	153	4	1,61	345	164
5	2,02	206	98	5	2,02	221	105

Picto 100 LED 2x20°	LED		luminaire	
Power	19 W	19 W	23 W	23 W
Flux	1985 lm	2124 lm	1211 lm	1296 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=82 (typ.)			
Color tolerance	MacAdam 4SDCM			
Service life	L70(6K) > 36000h			
Beam			2x20°	2x20°
Efficiency			61%	61%
Efficacy	104 lm/W	111 lm/W	53lm/W	56 lm/W

23 W — 3000 K α=2x20° — 4000 K α=2x20°



cd/klm

H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
1	0,75	2671	1110	1	0,75	2858	1187
2	1,50	668	277	2	1,50	715	297
3	2,26	297	123	3	2,26	318	132
4	3,01	167	69	4	3,01	179	74
5	3,76	107	44	5	3,76	114	47

Accessories*

		Projector	Color*	Code
	Accessory-holder + asymmetric diffuser (black)	○	●	M082737
		●	○	M082717
		●	●	M082737
	Accessory-holder + adjustable dowsers (black)	○	●	M082637
		●	○	M082617
		●	●	M082637
	Accessory-holder + anti-dazzle louvre	○	●	M081737
		●	○	M081717
		●	●	M081737

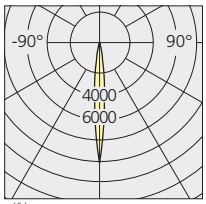
Picto 100 HIT/HALO ceiling

White ○ Black ● Silver ●

HIT-TC-CE (G8,5)

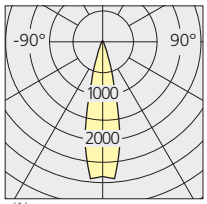
W	Weight	Beam	Flux	Color	Vertical Code	Horizontal Code
35 W	1,00 kg	2x5°	3400 lm	○	M224231SP	M224731SP
				●	M224241SP	M224741SP
				●	M224261SP	M224761SP
		2x13°	3400 lm	○	M224231MFL	M224731MFL
				●	M224241MFL	M224741MFL
				●	M224261MFL	M224761MFL
		2x17°	3400 lm	○	M224231FL	M224731FL
				●	M224241FL	M224741FL
				●	M224261FL	M224761FL
		2x21°	3400 lm	○	M224231WFL	M224731WFL
				●	M224241WFL	M224741WFL
				●	M224261WFL	M224761WFL
70 W	1,00 kg	2x5°	6600 lm	○	M224331SP	M224831SP
				●	M224341SP	M224841SP
				●	M224361SP	M224861SP
		2x13°	6600 lm	○	M224331MFL	M224831MFL
				●	M224341MFL	M224841MFL
				●	M224361MFL	M224861MFL
		2x17°	6600 lm	○	M224331FL	M224831FL
				●	M224341FL	M224841FL
				●	M224361FL	M224861FL
		2x21°	6600 lm	○	M224331WFL	M224831WFL
				●	M224341WFL	M224841WFL
				●	M224361WFL	M224861WFL

35 W/3400 lm — Efficiency 58% α=2x5°



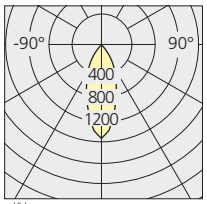
H m	Ø m	EMax lux	EM lux
1	0,16	32751	16379
2	0,32	8188	4095
3	0,48	3639	1820
4	0,64	2047	1024
5	0,80	1310	655

35 W/3400 lm — Efficiency 64% α=2x13°



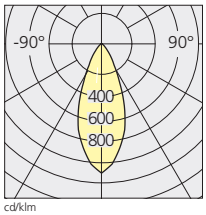
H m	Ø m	EMax lux	EM lux
1	0,45	9356	4469
2	0,90	2339	1117
3	1,35	1040	497
4	1,80	585	279
5	2,25	374	179

35 W/3400 lm — Efficiency 65% α=2x17°



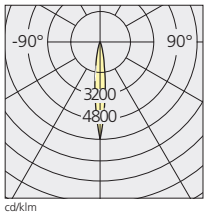
H m	Ø m	EMax lux	EM lux
1	0,58	5762	2568
2	1,17	1441	642
3	1,75	640	285
4	2,34	360	161
5	2,92	230	103

35 W/3400 lm — Efficiency 63% α=2x21°



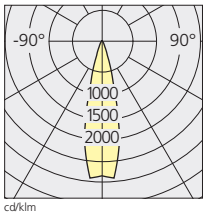
H m	Ø m	EMax lux	EM lux
1	0,74	3748	1554
2	1,48	937	388
3	2,22	416	173
4	2,96	234	97
5	3,70	150	62

70 W/6600 lm — Efficiency 61% α=2x5°



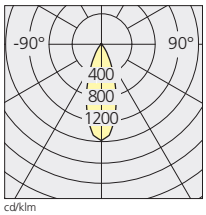
H m	Ø m	EMax lux	EM lux
1	0,21	43380	21521
2	0,42	10845	5380
3	0,63	4820	2391
4	0,84	2711	1345
5	1,05	1735	861

70 W/6600 lm — Efficiency 64% α=2x13°



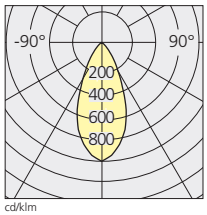
H m	Ø m	EMax lux	EM lux
1	0,45	18713	8937
2	0,90	4678	2234
3	1,35	2079	993
4	1,80	1170	559
5	2,25	749	357

70 W/6600 lm — Efficiency 70% α=2x17°



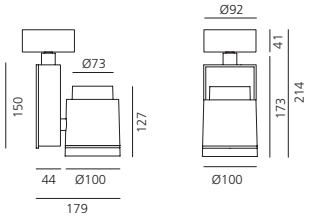
H m	Ø m	EMax lux	EM lux
1	0,63	10437	4558
2	1,25	2609	1139
3	1,88	1160	506
4	2,51	652	285
5	3,13	417	182

70 W/6600 lm — Efficiency 68% α=2x21°

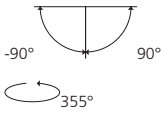


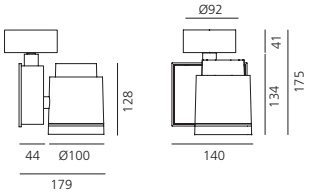
H m	Ø m	EMax lux	EM lux
1	0,83	6594	2607
2	1,67	1649	652
3	2,50	733	290
4	3,33	412	163
5	4,16	264	104

White ○ Black ● Silver ●



IP20 ⏚
850°

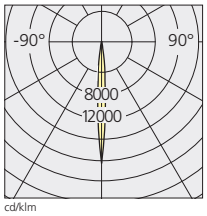




QT12-UVr-ax (Gy6,35)					Vertical*	Horizontal*
W	Weight	Beam	Flux	Color	Code	Code
12 V max 60 W	1,00 kg	2x7°	1650 lm	○	M224431SP	M224931SP
				●	M224441SP	M224941SP
				●	M224461SP	M224961SP
		2x17°	1650 lm	○	M224431MFL	M224931MFL
				●	M224441MFL	M224941MFL
				●	M224461MFL	M224961MFL
		2x23°	1650 lm	○	M224431FL	M224931FL
				●	M224441FL	M224941FL
				●	M224461FL	M224961FL

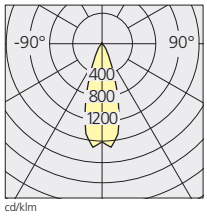
*Leading and trailing edge dimmable.

60 W/1650 lm — Efficiency 74% α=2x7°



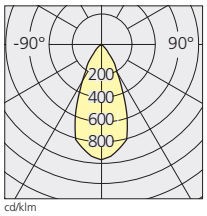
H m	Ø m	EMax lux	EM lux
1	0,13	32130	16261
2	0,25	8033	4065
3	0,38	3570	1807
4	0,50	2008	1016
5	0,63	1285	650

60 W/1650 lm — Efficiency 68% α=2x17°



H m	Ø m	EMax lux	EM lux
1	0,61	2725	1270
2	1,22	681	318
3	1,83	303	141
4	2,45	170	79
5	3,06	109	51

60 W/1650 lm — Efficiency 67% α=2x23°



H m	Ø m	EMax lux	EM lux
1	0,86	1552	607
2	1,72	388	152
3	2,58	172	67
4	3,45	97	38
5	4,31	62	24

Accessories*

		Projector	Color*	Code
	Accessory-holder + asymmetric diffuser (black)	○	●	M082737
		●	○	M082717
		●	●	M082737
	Accessory-holder + adjustable dowsers (black)	○	●	M082637
		●	○	M082617
		●	●	M082637
	Accessory-holder + anti-dazzle louvre	○	●	M081737
		●	○	M081717
		●	●	M081737
	UV Filter			M080545

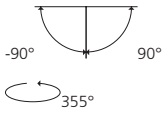
next pages
Picto HIT-HALO track
Roberto Cavalli headquarters
and showroom - Milano (Italy)
Arch.: Roberto Cavalli A&DD
Photo: Beppe Raso

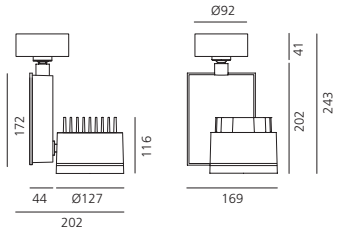
Picto 125 LED ceiling tunable white

White ○ Black ● Silver ●

LED						manual adjustment
W	Weight	Beam	Flux	CCT	Color	Code
35 W	2,60 kg	2x8°	1335 lm	2900 K-5500 K	○	M278031
					●	M278041
					●	M278061
		2x18°	1238 lm	2900 K - 5500 K	○	M278131
					●	M278141
					●	M278161

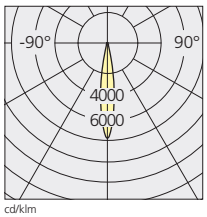
IP20 ⏚
850°





Picto 125 LED TW 2x8°	LED	luminaire
Power	30 W	35 W
Flux	2428 lm	1335 lm
CCT	2900 K-5500 K	2900 K-5500 K
CRI	>93 (min.)	
Color tolerance		
Service life		
Beam		2x8°
Efficiency		55%
Efficacy	81 lm/W	38 lm/W

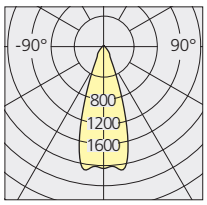
35 W 2900 K-5500 K α=2x8°



H m	Ø m	EMax lux	EM lux
1	0,28	10259	4997
2	0,57	2565	1249
3	0,85	1140	555
4	1,14	641	312
5	1,44	410	200

Picto 125 LED TW 2x18°	LED	luminaire
Power	30 W	35 W
Flux	2428 lm	1238 lm
CCT	2900 K-5500 K	2900 K-5500 K
CRI	>93 (min.)	
Color tolerance		
Service life		
Beam		2x18°
Efficiency		51%
Efficacy	81 lm/W	35 lm/W

35 W 2900 K-5500 K α=2x18°

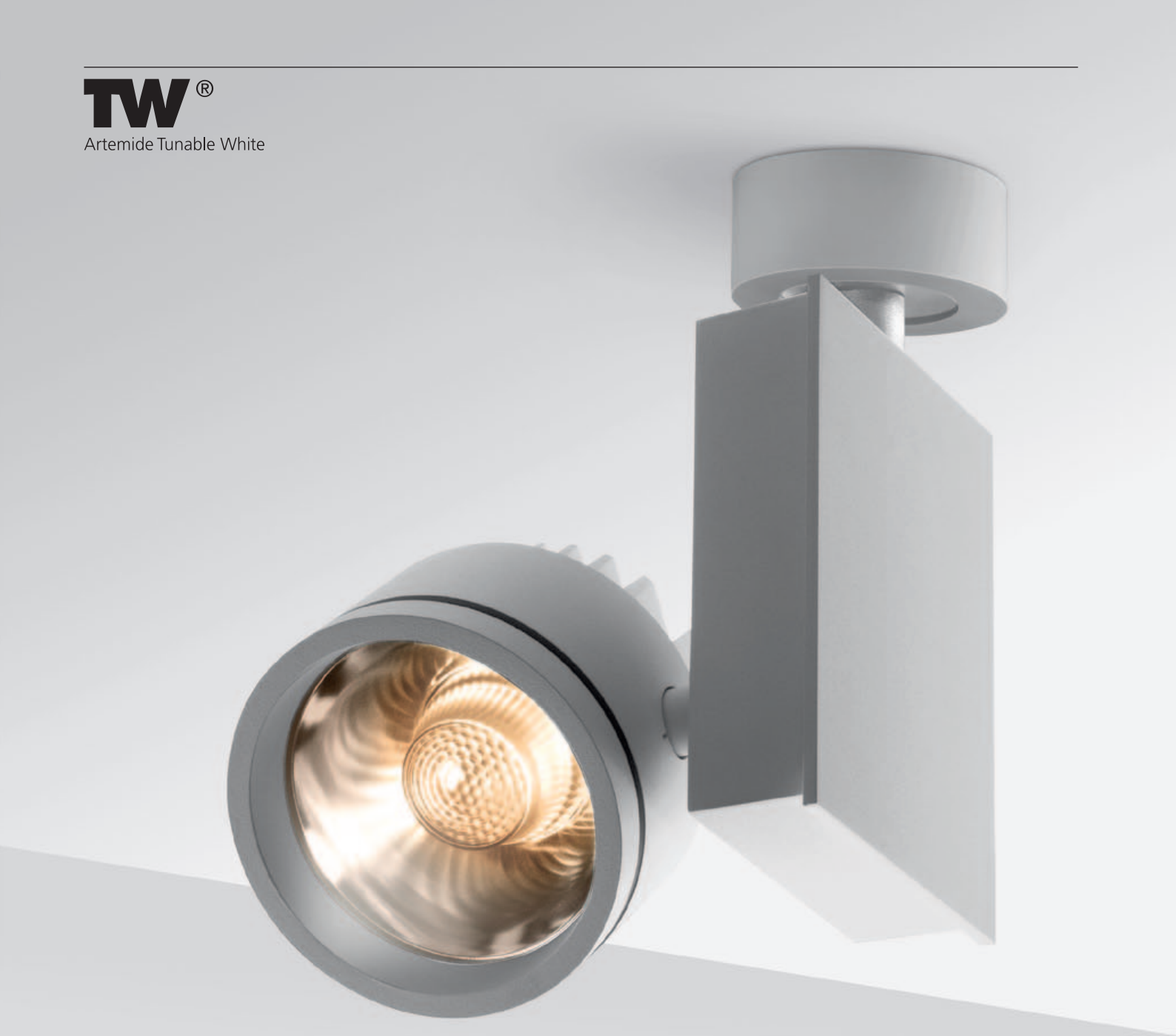


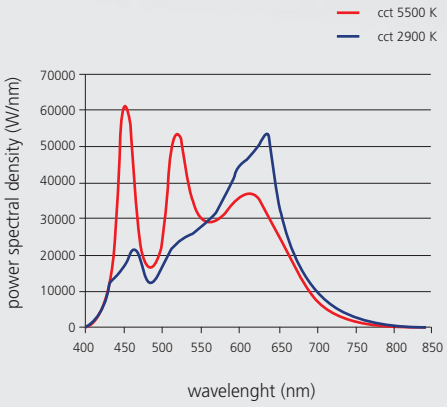
H m	Ø m	EMax lux	EM lux
1	0,67	2524	1104
2	1,33	631	276
3	2,00	280	123
4	2,66	158	69
5	3,33	101	44

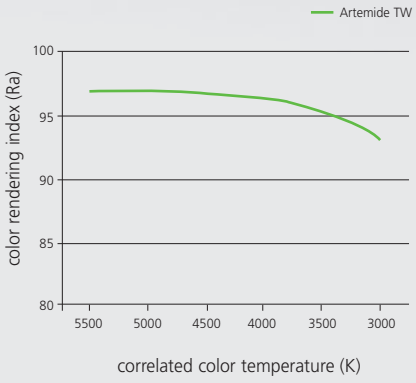
Accessories*

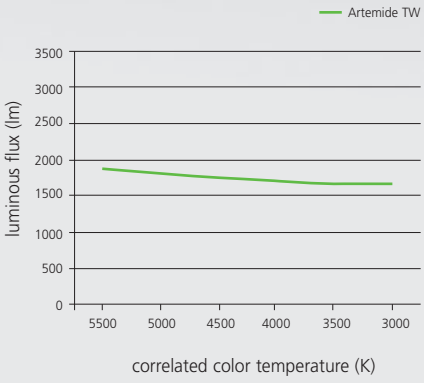
	Projector	Color*	Code
Accessory-holder + asymmetric diffuser (black)	○	●	M083137
	●	○	M083117
	●	●	M083137
Accessory-holder + adjustable dowsers (black)	○	●	M082937
	●	○	M082917
	●	●	M082937
Accessory-holder + anti-dazzle louvre	○	●	M083337
	●	○	M083317
	●	●	M083337
Accessory-holder + lens for ellittical emission	○	●	M083437
	●	○	M083417
	●	●	M083437

TW®
Artemide Tunable White







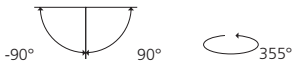


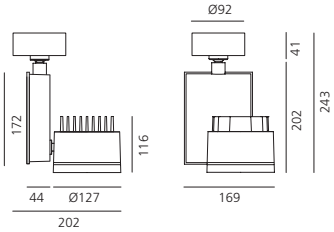
Picto 125 LED ceiling stable white

White ○ Black ● Silver ●

LED						non dimmable	Dali dimmable
W	Weight	Beam	Flux	CCT	Color	Code	Code
36 W	2,60 kg	2x8°	2072 lm	3000 K	○	M237431	M243631
					●	M237441	M243641
					●	M237461	M243661
			2217 lm	4000 K	○	M237531	M243731
					●	M237541	M243741
					●	M237561	M243761
		2x18°	1900 lm	3000 K	○	M237631	M243831
					●	M237641	M243841
					●	M237661	M243861
			2032 lm	4000 K	○	M237731	M243931
					●	M237741	M243941
					●	M237761	M243961

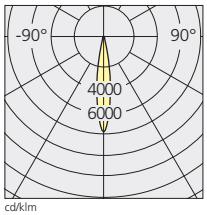
IP20 ⏚ 850°





Picto 125 LED 2x8°	LED		luminaire	
Power	31 W	31 W	36 W	36 W
Flux	3454 lm	3695 lm	2072 lm	2217 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (min.)			
Color tolerance	MacAdam 3SDCM			
Service life	L70(6K) > 36000h			
Beam			2x8°	2x8°
Efficiency			60%	60%
Efficacy	111 lm/W	119 lm/W	57 lm/W	62 lm/W

36 W

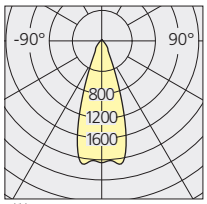


cd/klm

3000 K α=2x8°				4000 K α=2x8°			
H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
1	0,28	15922	7756	1	0,28	17037	8299
2	0,57	3981	1939	2	0,57	4259	2075
3	0,85	1769	862	3	0,85	1893	922
4	1,14	995	485	4	1,14	1065	519
5	1,42	637	310	5	1,42	681	332

Picto 125 LED 2x18°	LED		luminaire	
Power	31 W	31 W	36 W	36 W
Flux	3454 lm	3695 lm	1900 lm	2032 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (min.)			
Color tolerance	MacAdam 3SDCM			
Service life	L70(6K) > 36000h			
Beam			2x18°	2x18°
Efficiency			55%	55%
Efficacy	111 lm/W	119 lm/W	52 lm/W	56 lm/W

36 W



cd/klm

3000 K α=2x18°				4000 K α=2x18°			
H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
1	0,67	3872	1694	1	0,67	4143	1812
2	1,33	968	423	2	1,33	1036	453
3	2,00	430	188	3	2,00	460	201
4	2,66	242	106	4	2,66	259	113
5	3,33	155	68	5	3,33	166	72

Accessories*

	Projector	Color*	Code
Accessory-holder + asymmetric diffuser (black)	○	●	M083137
	●	○	M083117
	●	●	M083137
Accessory-holder + adjustable dowsers (black)	○	●	M082937
	●	○	M082917
	●	●	M082937
Accessory-holder + anti-dazzle louvre	○	●	M083337
	●	○	M083317
	●	●	M083337
Accessory-holder + lens for ellittical emission	○	●	M083437
	●	○	M083417
	●	●	M083437

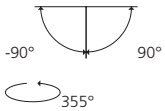
Picto 125 HIT ceiling

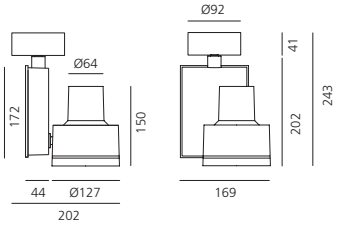
White ○ Black ● Silver ●

HIT (G12)

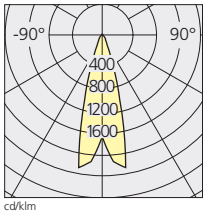
W	Weight	Beam	Flux	Color	Code
35 W	2,40 kg	2x14°	3300 lm	○	M225431MFL
				●	M225441MFL
				●	M225461MFL
		2x23°	3300 lm	○	M225431WFL
				●	M225441WFL
				●	M225461WFL
		2x33°	3300 lm	○	M225431VWFL
				●	M225441VWFL
				●	M225461VWFL
70 W	2,40 kg	2x14°	6600 lm	○	M225531MFL
				●	M225541MFL
				●	M225561MFL
		2x23°	6600 lm	○	M225531WFL
				●	M225541WFL
				●	M225561WFL
		2x33°	6600 lm	○	M225531VWFL
				●	M225541VWFL
				●	M225561VWFL
150 W	2,40 kg	2x14°	14000 lm	○	M225631MFL
				●	M225641MFL
				●	M225661MFL
		2x23°	14000 lm	○	M225631WFL
				●	M225641WFL
				●	M225661WFL
		2x33°	14000 lm	○	M225631VWFL
				●	M225641VWFL
				●	M225661VWFL

IP20 ⏚
850°



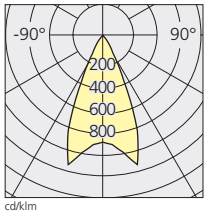


35 W/3300 lm — Efficiency 70% α=2x14°



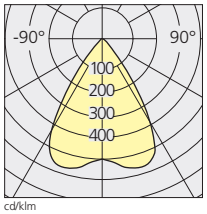
H m	Ø m	EMax lux	EM lux
1	0,54	5557	3332
2	1,07	1389	833
3	1,61	617	370
4	2,14	347	208
5	2,68	222	133

35 W/3300 lm — Efficiency 72% α=2x23°



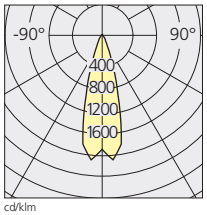
H m	Ø m	EMax lux	EM lux
1	0,82	3435	1804
2	1,65	859	451
3	2,47	382	200
4	3,30	215	113
5	4,12	137	72

35 W/3300 lm — Efficiency 77% α=2x33°



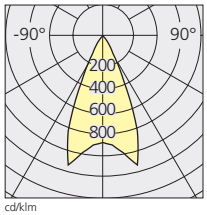
H m	Ø m	EMax lux	EM lux
1	1,30	1141	788
2	2,61	285	197
3	3,91	127	88
4	5,22	71	49
5	6,52	46	32

70 W/6600 lm — Efficiency 64% α=2x14°



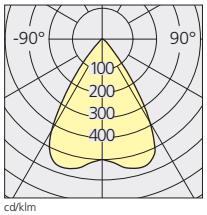
H m	Ø m	EMax lux	EM lux
1	0,53	12440	6178
2	1,06	3110	1545
3	1,59	1382	686
4	2,11	778	386
5	2,64	498	247

70 W/6600 lm — Efficiency 67% α=2x23°



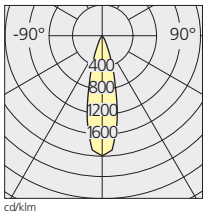
H m	Ø m	EMax lux	EM lux
1	0,86	5928	2883
2	1,72	1482	721
3	2,58	659	320
4	3,45	370	180
5	4,31	237	115

70 W/6600 lm — Efficiency 71% α=2x33°



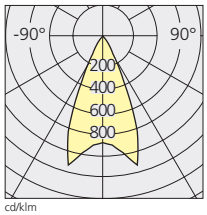
H m	Ø m	EMax lux	EM lux
1	1,35	2553	1294
2	2,70	638	324
3	4,05	284	144
4	5,40	160	81
5	6,75	102	52

150 W/14000 lm — Efficiency 57% α=2x14°



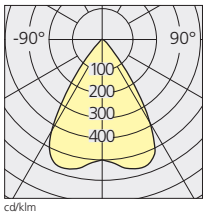
H m	Ø m	EMax lux	EM lux
1	0,48	27798	12795
2	0,97	6950	3199
3	1,45	3089	1422
4	1,94	1737	800
5	2,42	1112	512

150 W/14000 lm — Efficiency 67% α=2x23°



H m	Ø m	EMax lux	EM lux
1	0,86	12573	6115
2	1,72	3143	1529
3	2,58	1397	679
4	3,45	786	382
5	4,31	503	245

150 W/14000 lm — Efficiency 63% α=2x33°



H m	Ø m	EMax lux	EM lux
1	1,32	7182	2348
2	2,65	1796	587
3	3,97	798	261
4	5,30	449	147
5	6,62	287	94

White	Black	Silver
○	●	●

Accessories

	Projector	Color*	Code
Accessory-holder + asymmetric diffuser (black)	○	●	M083137
	●	○	M083117
	●	●	M083137
Accessory-holder + adjustable dowsers (black)	○	●	M082937
	●	○	M082917
	●	●	M082937
Accessory-holder + anti-dazzle louvre	○	●	M083337
	●	○	M083317
	●	●	M083337
Accessory-holder + IR filter	○	●	M083537
	●	○	M083517
	●	●	M083537
Accessory-holder + lens for ellittical emission	○	●	M083437
	●	○	M083417
	●	●	M083437
Accessory-holder + chromatic filter Warmtone	○	●	M083637
	●	○	M083617
	●	●	M083637
Accessory-holder + chromatic filter Coldtone	○	●	M083737
	●	○	M083717
	●	●	M083737
UV Filter			M080535

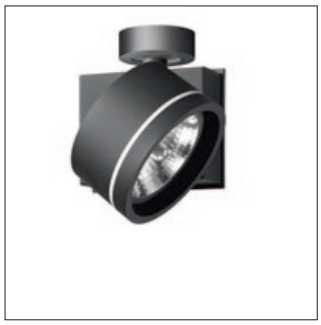
Picto 125 HALO ceiling vertical/horizontal

White ○ Black ● Silver ●

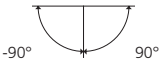
QR111 (G53)			Vertical*	Horizontal*
W	Weight	Color	Code	Code
12V	0,90 kg	○	M225231	M225331
max 100 W		●	M225241	M225341
		●	M225261	M225361

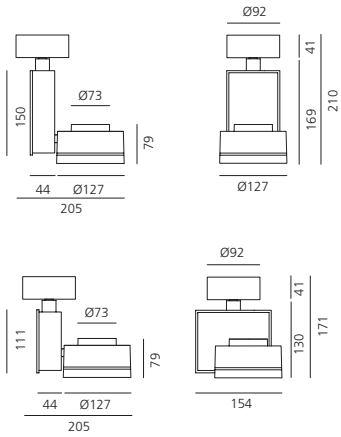
Retrofit ▶ MASTER LEDspot AR111 (G53) 12V 10/15W

*Leading and trailing edge dimmable.



IP20 ⏚ 850°





Accessories*		Projector	Color*	Code
	Accessory-holder + asymmetric diffuser (black)	○	●	M083137
		●	○	M083117
		●	●	M083137
	Accessory-holder + adjustable dowsers (black)	○	●	M082937
		●	○	M082917
		●	●	M082937
	Accessory-holder + anti-dazzle louvre	○	●	M083337
		●	○	M083317
		●	●	M083337
	Accessory-holder + IR filter	○	●	M083537
		●	○	M083517
		●	●	M083537
	Accessory-holder + lens for ellittical emission	○	●	M083437
		●	○	M083417
		●	●	M083437
	Accessory-holder + chromatic filter Warmtone	○	●	M083637
		●	○	M083617
		●	●	M083637
	Accessory-holder + chromatic filter Coldtone	○	●	M083737
		●	○	M083717
		●	●	M083737
	UV Filter			M080535

right
Picto 125 HIT-HALO track
Roberto Cavalli headquarters
and showroom Milan (Italy)
Architectural project:
Roberto Cavalli A&DD
Photo: Beppe Raso

37 Cube

Carlotta de Bevilacqua
Paola di Arianello

2011

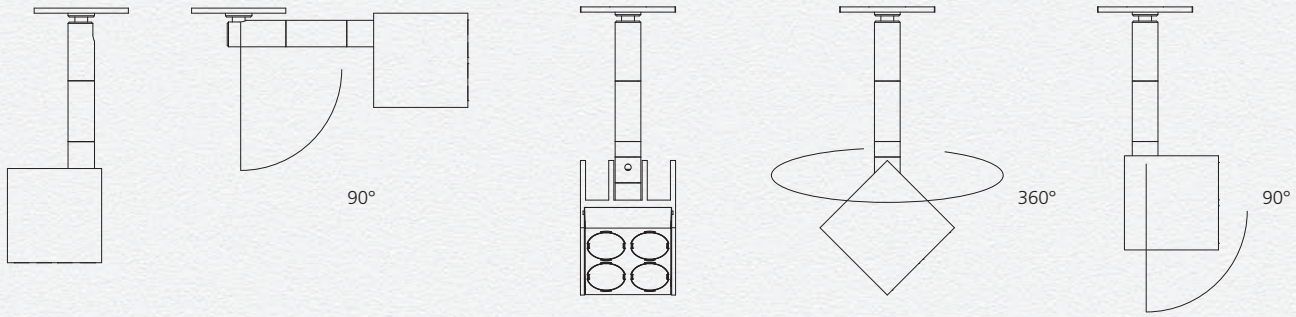
37 Cube semirecessed
scale 1:1

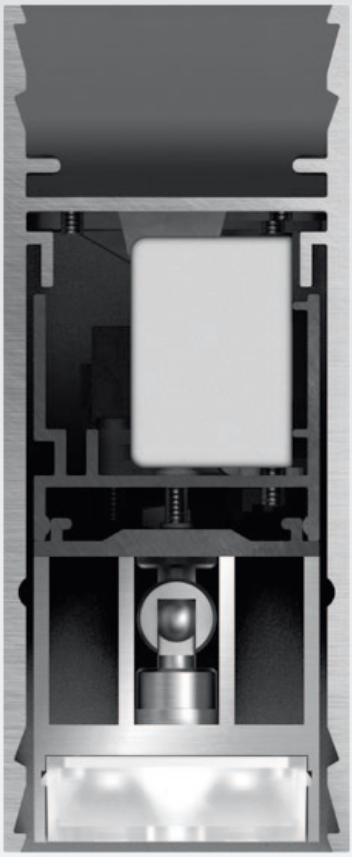
Minimal impact and pure functionality. Requiring a very limited amount of resources in terms of both material and energy consumption, 37 Cube is a miniature LED spotlight aimed at replacing MR16 dichroic light sources in terms of photometric performance, application and size. Featuring a perfect balance between size and luminous flux, 37 Cube combines extremely precise accent light with high energy-saving performance.

37 Cube

37 Cube semirecessed
scale 1:1

- Minimal dimensions, material and energy consumption: 37mmx37mmx37mm.
- Effective and precise accent lighting with only 8W of total power consumption.
- 3 beam angles: 2x7°, 2x9°, 2x14°.
- 2 colour temperatures: warm white (3000K) and neutral white (4000K)) – CRI=80 (typ.)
- Maximum flexibility: rotation 360°, tilt angle +90°/-90°.
- 2 installation options available: with control gear for mounting within Algoritmo product range or base plate for semi- recessed installation.
- Option of installation inside Algoritmo modules.
- Materials: body in anodized aluminium, translucent cover in polycarbonate.
- Complies with standard EN60598-1 and other specific standards.


90°
360°
90°



37 Cube for Algoritmo
vertical section
scale 1:1

37 Cube semirecessed

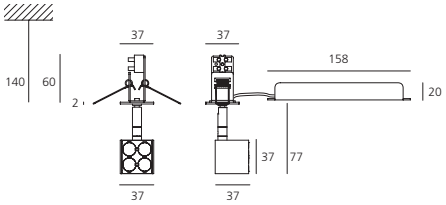
Anodized aluminium

LED | non dimmable

W	Weight	Beam	Flux	CCT	Color	Code
8 W	0,21 kg	2x7°	470 lm	3000 K		M028504
			520 lm	4000 K		M028604
		2x9°	470 lm	3000 K		M028704
			520 lm	4000 K		M028804
		2x14°	470 lm	3000 K		M028904
			520 lm	4000 K		M029004

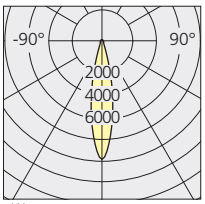
Supplied with independent power supply for LED, non-dimmable.
Voltage 220-240 V.
Protection class: Class II. SELV. IP20.

IP20
650°



37 Cube 2x7°	LED		luminaire	
Power	6,5 W	6,5 W	8 W	8 W
Flux	550 lm	610 lm	470 lm	520 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (typ.)			
Color tolerance	MacAdam 4SDCM			
Service life	L70(6K) > 36000h			
Beam			2x7°	2x7°
Efficiency			85%	85%
Efficacy	86 lm/W	95 lm/W	59 lm/W	65 lm/W

8 W

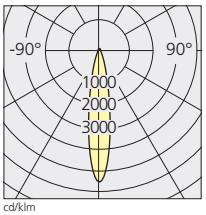


cd/klm

3000 K α=2x7°				4000 K α=2x7°			
H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
1	0,24	4590	2261	1	0,24	5078	2502
2	0,48	1147	565	2	0,48	1269	625
3	0,72	510	251	3	0,72	564	278
4	0,95	287	141	4	0,95	317	156
5	1,19	184	90	5	1,19	203	100

37 Cube 2x9°	LED		luminaire	
Power	6,5 W	6,5 W	8 W	8 W
Flux	550 lm	610 lm	470 lm	520 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (typ.)			
Color tolerance	MacAdam 4SDCM			
Service life	L70(6K) > 36000h			
Beam			2x9°	2x9°
Efficiency			85%	85%
Efficacy	86 lm/W	95 lm/W	59 lm/W	65 lm/W

8 W

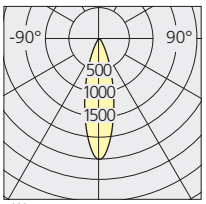


cd/klm

3000 K α=2x9°				4000 K α=2x9°			
H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
1	0,32	2482	1197	1	0,32	2746	1324
2	0,64	620	299	2	0,64	686	331
3	0,96	276	133	3	0,96	305	147
4	1,28	155	75	4	1,28	172	83
5	1,60	99	48	5	1,60	110	53

37 Cube 2x14°	LED		luminaire	
Power	6,5 W	6,5 W	8 W	8 W
Flux	550 lm	610 lm	470 lm	520 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (typ.)			
Color tolerance	MacAdam 4SDCM			
Service life	L70(6K) > 36000h			
Beam			2x14°	2x14°
Efficiency			85%	85%
Efficacy	86 lm/W	95 lm/W	59 lm/W	65 lm/W

8 W



cd/klm

3000 K α=2x14°				4000 K α=2x14°			
H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
1	0,51	1199	550	1	0,51	1326	609
2	1,01	300	138	2	1,01	332	152
3	1,52	133	61	3	1,52	147	68
4	2,02	75	34	4	2,02	83	38
5	2,53	48	22	5	2,53	53	24

right

37 cube semirecessed
Showroom Artemide
via Manzoni 12
Milan (Italy)

following pages

Kit containing 3 projectors for Algoritmo System
Vodafone Campus - Dusseldorf (Germany)
Arch: HPP Hentrich-Petschnigg & Partner
Photo: Werner Huthmacher

37 CUBE Carlotta de Bevilacqua, Paola di Arianello

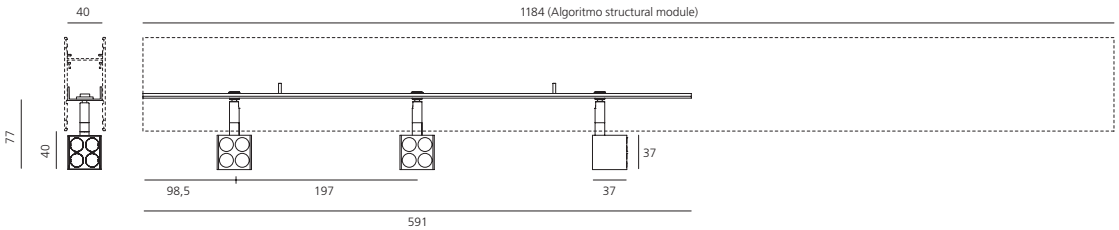
Kit containing 3 projectors for Algoritmo System

Anodized aluminium

LED | non dimmable

W (LED)	Weight	Beam	Flux	CCT	Color	Code
3x6,5 W	0,47 kg	2x7°	3x470 lm	3000 K		M029100
			3x520 lm	4000 K		M029400
		2x9°	3x470 lm	3000 K		M029200
			3x520 lm	4000 K		M029500
		2x14°	3x470 lm	3000 K		M029300
			3x520 lm	4000 K		M029600

IP20
650°

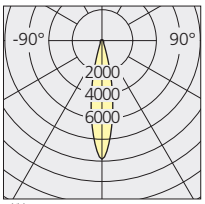


Algoritmo System: please see page 18

37 Cube 2x7°

	LED		luminaire	
Power	6,5 W	6,5 W	6,5 W	6,5 W
Flux	550 lm	610 lm	470 lm	520 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (typ.)			
Color tolerance	MacAdam 4SDCM			
Service life	L70(6K) > 36000h			
Beam			2x7°	2x7°
Efficiency			85%	85%
Efficacy	86 lm/W	95 lm/W	59 lm/W	65 lm/W

6,5 W



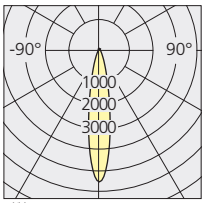
cd/klm

	3000 K			α=2x7°	4000 K			α=2x7°
	H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
	1	0,24	4590	2261	1	0,24	5078	2502
	2	0,48	1147	565	2	0,48	1269	625
	3	0,72	510	251	3	0,72	564	278
	4	0,95	287	141	4	0,95	317	156
	5	1,19	184	90	5	1,19	203	100

37 Cube 2x9°

	LED		luminaire	
Power	6,5 W	6,5 W	6,5 W	6,5 W
Flux	550 lm	610 lm	470 lm	520 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (typ.)			
Color tolerance	MacAdam 4SDCM			
Service life	L70(6K) > 36000h			
Beam			2x9°	2x9°
Efficiency			85%	85%
Efficacy	86 lm/W	95 lm/W	59 lm/W	65 lm/W

6,5 W



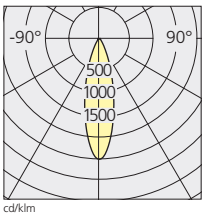
cd/klm

	3000 K			α=2x9°	4000 K			α=2x9°
	H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
	1	0,32	2482	1197	1	0,32	2746	1324
	2	0,64	620	299	2	0,64	686	331
	3	0,96	276	133	3	0,96	305	147
	4	1,28	155	75	4	1,28	172	83
	5	1,60	99	48	5	1,60	110	53

37 Cube 2x14°

	LED		luminaire	
Power	6,5 W	6,5 W	6,5 W	6,5 W
Flux	550 lm	520 lm	470 lm	520 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (typ.)			
Color tolerance	MacAdam 4SDCM			
Service life	L70(6K) > 36000h			
Beam			2x14°	2x14°
Efficiency			85%	85%
Efficacy	86 lm/W	95 lm/W	59 lm/W	65 lm/W

6,5 W



cd/klm

	3000 K			α=2x14°	4000 K			α=2x14°
	H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
	1	0,51	1199	550	1	0,51	1326	609
	2	1,01	300	138	2	1,01	332	152
	3	1,52	133	61	3	1,52	147	68
	4	2,02	75	34	4	2,02	83	38
	5	2,53	48	22	5	2,53	53	24

NEUROLOGIA
MI FARAI
VENIRE
L'ULCERA

PAD / PAD Square

Le poème de l'angle droit

Carlotta de Bevilacqua

2010 (PAD)
2011 (PAD Square)

PAD

PAD Square

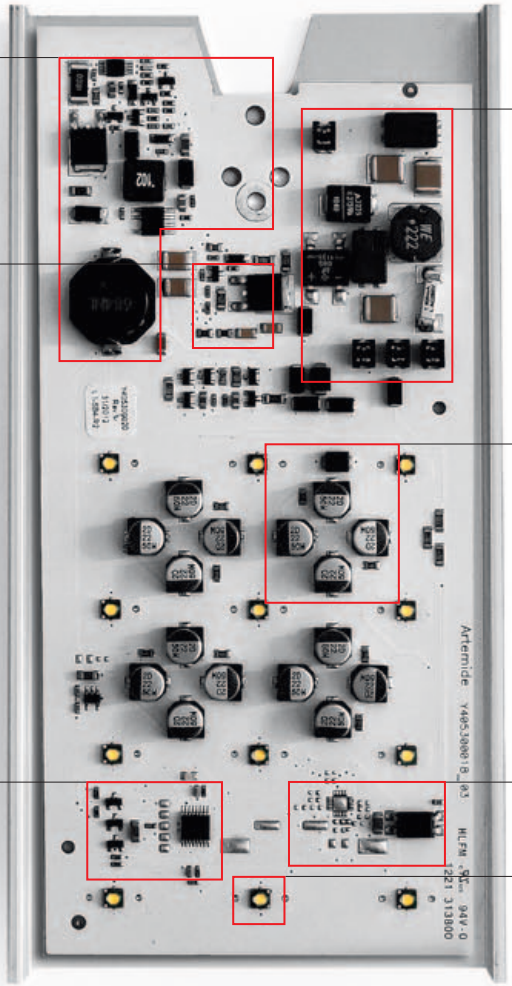
PAD (Poème de l'angle droit) is an advanced projector aiming to outperform traditional halogen sources. In this series of products, the light source and power supply are connected through integrated technological innovation. This patent-pending range of projectors are distinguished by excellent photometric performances, compact design and great adjustability.

PAD/PAD Square
Le poème de l'angle droit

- Compact dimensions:
  PAD, 85mm x 170mm x 16mm – PAD Square, 168mm x 170mm x 16mm
- Ultra-flat power source (8mm height): high efficiency and extraordinary versatile power input from 100 to 240v, 50 and 60 Hz.
- Optimized thermal management: passive cooling system based on the extension of aluminium surface and partition of the LED sources (PAD 12 LED-10,5W PAD SQUARE 24 LED-21W).
- 3 beam angles: 2x6°, 2x12°, 2x19°.
- 2 colour temperatures: warm white (3000K) and neutral white (4000K) - CRI=80 (typ.).
- Innovative aluminium joint: compact dimensions and maximum flexability: 358° rotation and 180° tilt angle
- 2 sizes and power: PAD (12LED-13W total load, 85mm x 170mm x 16mm) and PAD Square (24LED-26W total load, 168mm x 170mm x 16mm).
- 4 installation options: with adaptor for 3-circuit track, with gear plate for mounting within Algoritmo product range, wall/ceiling mounted version, or base plate for semi- recessed mounting.
- Wall/ceiling and semi-recessed versions available with SwitchDim.
- Materials: body in extruded aluminium, transparent cover in polycarbonate, translucent cover in polycarbonate, joint in die-cast aluminium.
- Complies with standard EN60598-1 and other specific standards.

PAD/PAD Square
Le poème de l’angle droit

Body
Extruded aluminium



Proprietary circuit
Integrated power supply on metal core LED circuit (H max 8mm)

PAD/PAD Square
Le poème de l'angle droit

Transparent cover – lens holder
Guarantees protection of electrical parts.

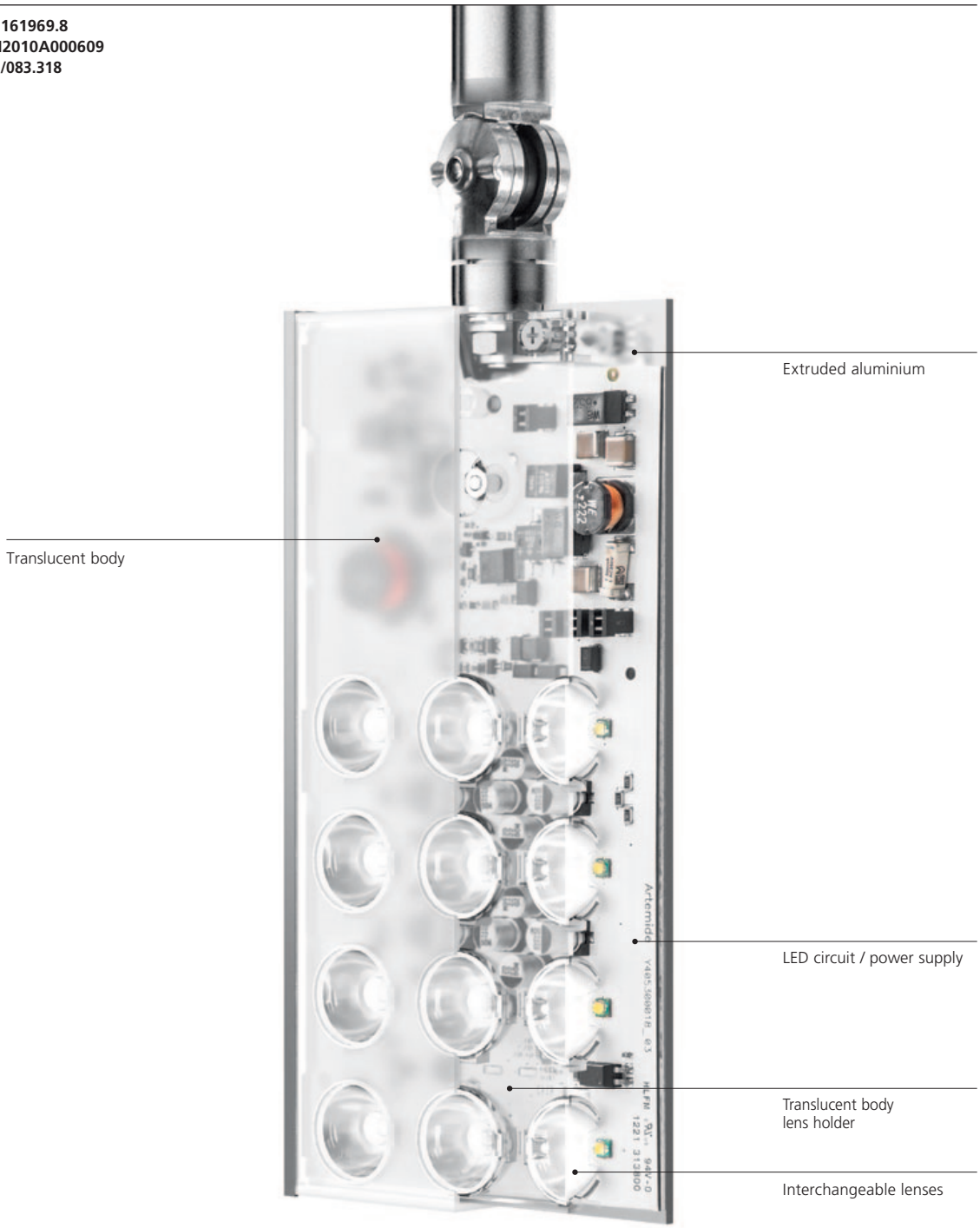
Injection-moulded polycarbonate.

Interchangeable lenses
Cover acts as support for available lenses
With 3 different angles:
2x6°
2x12°
2x19°

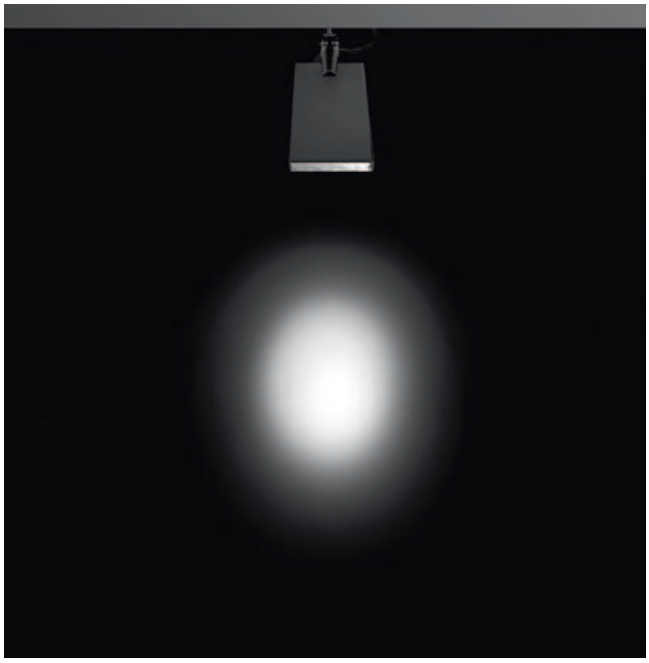
Translucent cover
Gives a diffused light effect. Together with transparent cover, helps protect electrical parts.

Injection-moulded polycarbonate.

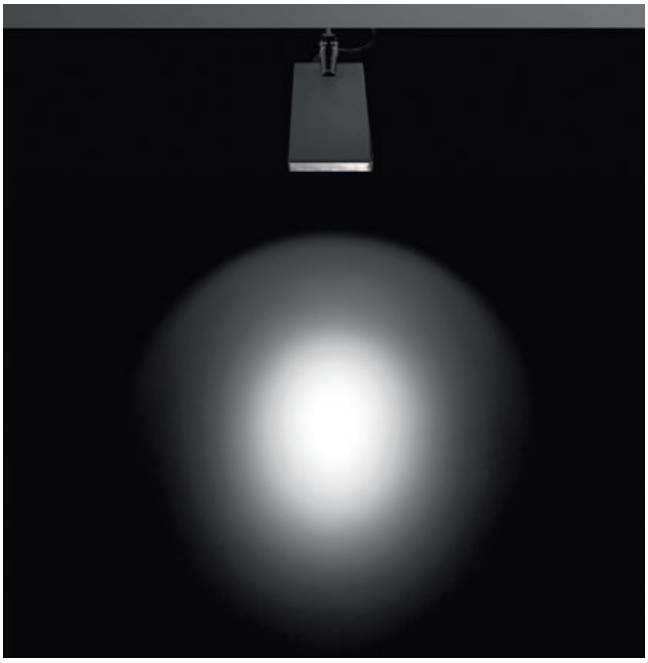
Patent (EU) n° 11161969.8
Patent pending (IT) n° MI2010A000609
Patent pending (US) n° 13/083.318



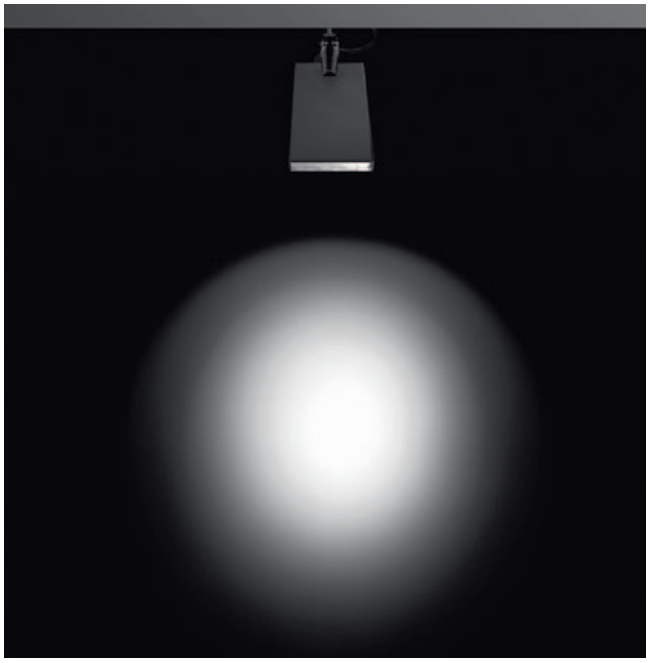
PAD/PAD Square
Le poème de l’angle droit



Spot
Beam angle = 2x6°
Ideal to highlight small items.



Medium flood
Beam angle = 2x12°
Standard feature for accent lighting of medium-sized object.

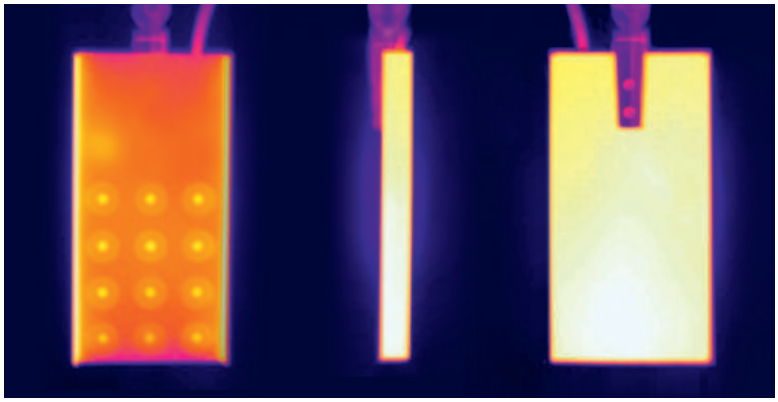


Flood
Beam angle = 2x19°
Accent lighting of large object.

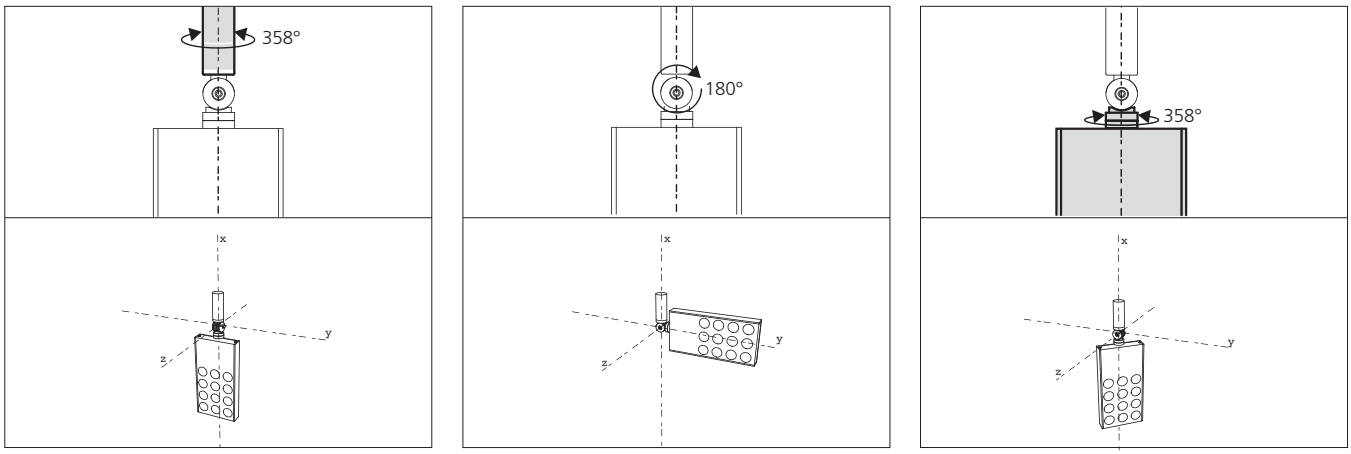
TIR: Total Internal Reflection

PAD/PAD Square
Le poème de l'angle droit

Thermal management
The uniform fragmentation of LED sources provides optimized heat dissipation.



Joint
Excellent flexibility of light adjustment.



PAD/PAD Square
Le poème de l'angle droit

PAD track
12 LED 10,5W
2x6° - 2x12° - 2x19°
835lm (3000K) / 893lm (4000K)
CRI = 80 (typ.)
220V - 240V _ 13W
non dimmable

PAD kit for Algoritmo System
12 LED 10,5W
2x6° - 2x12° - 2x19°
835lm (3000K) / 893lm (4000K)
CRI = 80 (typ.)
220V - 240V _ 13W
non dimmable

PAD ceiling
12 LED 10,5W
2x6° - 2x12° - 2x19°
835lm (3000K) / 893lm (4000K)
CRI = 80 (typ.)
220V - 240V _ 13W
SwitchDim dimmable

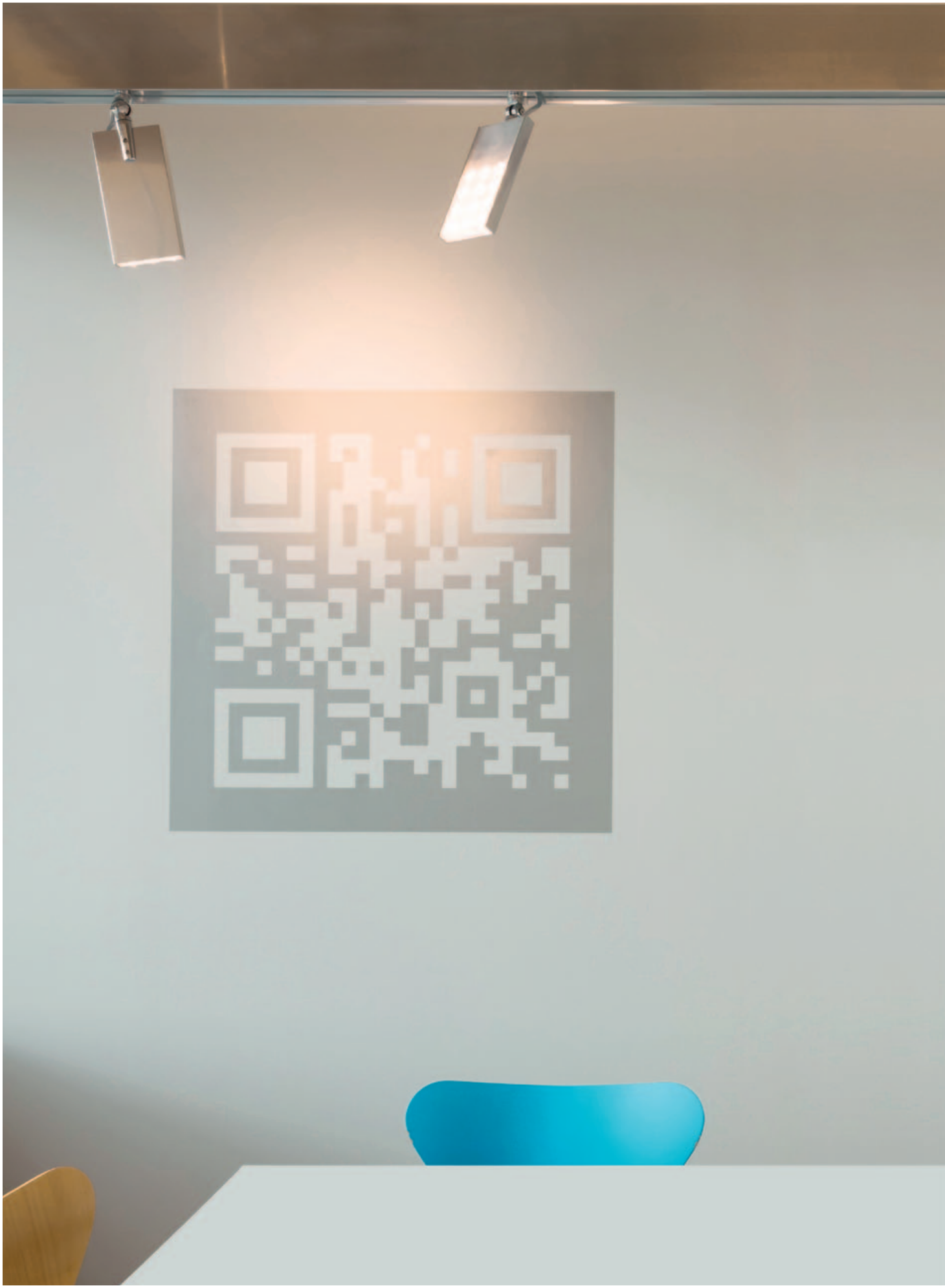
PAD semirecessed
12 LED 10,5W
2x6° - 2x12° - 2x19°
835lm (3000K) / 893lm (4000K)
CRI = 80 (typ.)
220V - 240V _ 13W
SwitchDim dimmable

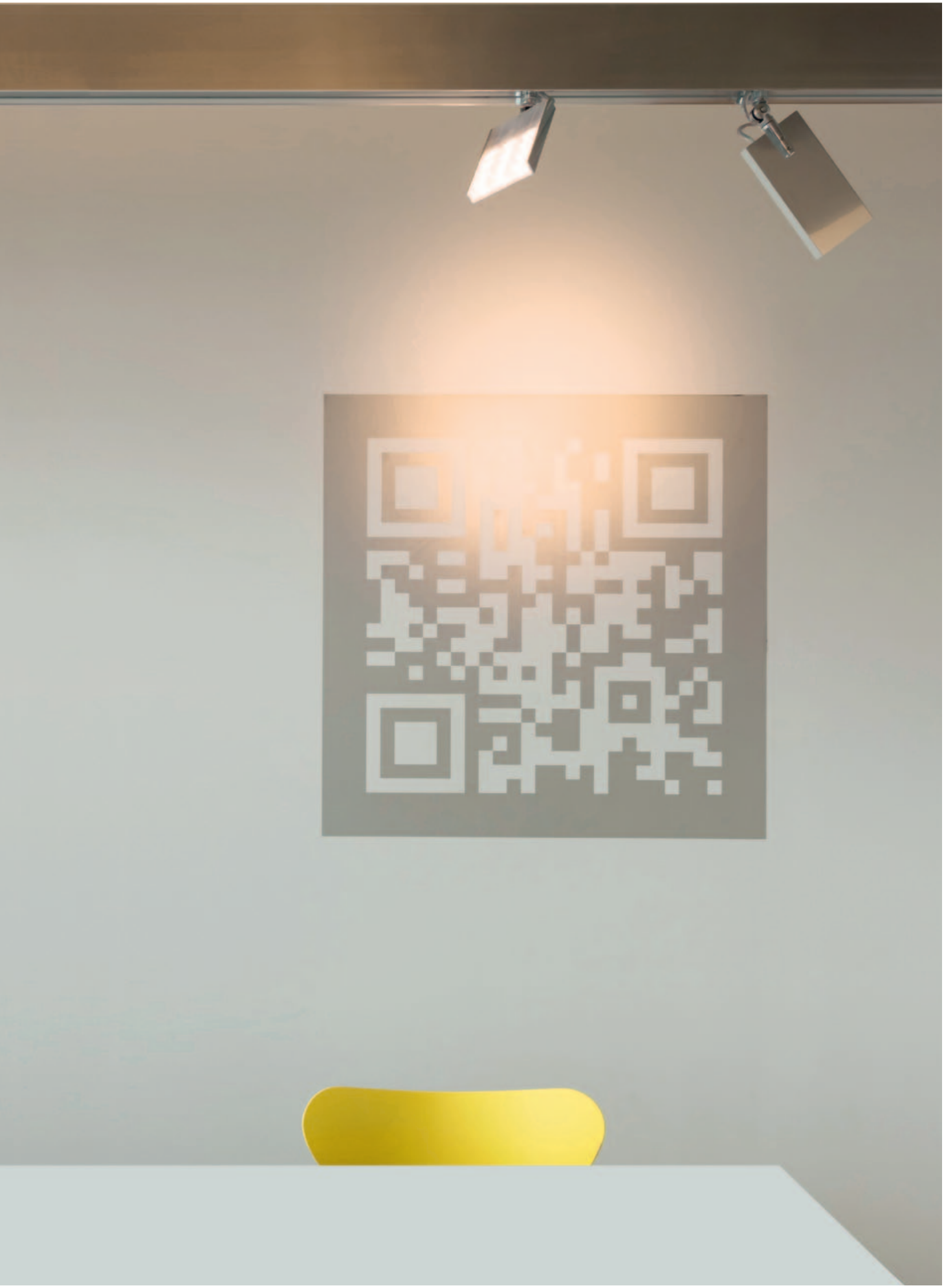
PAD Square track
24 LED 21W
2x6° - 2x12° - 2x19°
1786lm (3000K) / 1670lm (4000K)
CRI = 80 (typ.)
220V - 240V _ 26W
non dimmable

PAD Square kit for Algoritmo System
24 LED 21W
2x6° - 2x12° - 2x19°
1786lm (3000K) / 1670lm (4000K)
CRI = 80 (typ.)
220V - 240V _ 26W
non dimmable

PAD Square ceiling
24 LED 21W
2x6° - 2x12° - 2x19°
1786lm (3000K) / 1670lm (4000K)
CRI = 80 (typ.)
220V - 240V _ 26W
non dimmable

PAD Square semirecessed
24 LED 21W
2x6° - 2x12° - 2x19°
1786lm (3000K) / 1670lm (4000K)
CRI = 80 (typ.)
220V - 240V _ 26W
non dimmable





PAD track

Gloss anodized

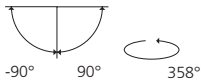
LED

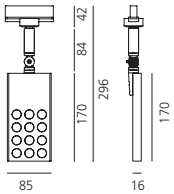
W	Weight	Beam	Flux	CCT	Color	Code
13 W	0,42 kg	2x6°	710 lm	3000 K		M200003
			760 lm	4000 K		M200103
		2x12°	710 lm	3000 K		M200203
			760 lm	4000 K		M200303
		2x19°	710 lm	3000 K		M200403
			760 lm	4000 K		M200503

non dimmable

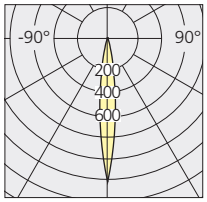
IP40

650°





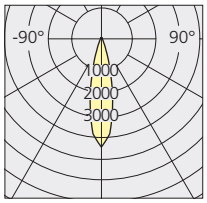
Pad 2x6°	LED		luminaire	
Power	10,5 W	10,5 W	13 W	13 W
Flux	835 lm	893 lm	710 lm	760 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (typ.)			
Color tolerance	MacAdam 4SDCM			
Service life	L70(6K) > 36000h			
Beam			2x6°	2x6°
Efficiency			85%	85%
Efficacy	80 lm/W	85 lm/W	55 lm/W	58 lm/W



cd/klm

3000 K			α=2x6°	4000 K			α=2x6°
H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
1	0,22	8476	4191	1	0,22	9073	4487
2	0,43	2119	1048	2	0,43	2268	1122
3	0,65	942	466	3	0,65	1008	499
4	0,87	530	262	4	0,87	567	280
5	1,09	339	168	5	1,09	363	179

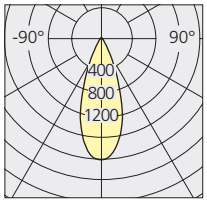
Pad 2x12°	LED		luminaire	
Power	10,5 W	10,5 W	13 W	13 W
Flux	835 lm	893 lm	710 lm	760 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (typ.)			
Color tolerance	MacAdam 4SDCM			
Service life	L70(6K) > 36000h			
Beam			2x12°	2x12°
Efficiency			85%	85%
Efficacy	80 lm/W	85 lm/W	55 lm/W	58 lm/W



cd/klm

3000 K			α=2x12°	4000 K			α=2x12°
H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
1	0,41	3097	1471	1	0,41	3313	1574
2	0,81	774	368	2	0,81	828	393
3	1,22	344	163	3	1,22	368	175
4	1,63	194	92	4	1,63	207	98
5	2,03	124	59	5	2,03	133	63

Pad 2x19°	LED		luminaire	
Power	10,5 W	10,5 W	13 W	13 W
Flux	835 lm	893 lm	710 lm	760 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (typ.)			
Color tolerance	MacAdam 4SDCM			
Service life	L70(6K) > 36000h			
Beam			2x19°	2x19°
Efficiency			85%	85%
Efficacy	80 lm/W	85 lm/W	54 lm/W	58 lm/W



cd/klm

3000 K			α=2x19°	4000 K			α=2x19°
H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
1	0,68	1428	609	1	0,68	3055	1592
2	1,37	357	152	2	1,37	764	382
3	2,05	159	68	3	2,05	339	170
4	2,74	89	38	4	2,74	191	96
5	3,42	57	24	5	3,42	122	61

previous pages

PAD kit for Algoritmo System
Speicher 7 - Mannheim (Germany)
Arch: Schmucker & Partner, Planungsgesellschaft mbH
Photo: Linus Lintner

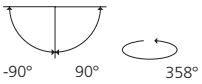
PAD kit for Algoritmo System

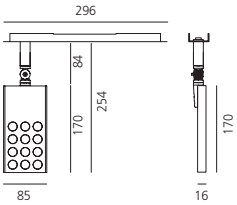
Gloss anodized

LED						non dimmable
W	Weight	Beam	Flux	CCT	Color	Code
13 W	0,53 kg	2x6°	710 lm	3000 K		M200002
			760 lm	4000 K		M200102
		2x12°	710 lm	3000 K		M200202
			760 lm	4000 K		M200302
		2x19°	710 lm	3000 K		M200402
			760 lm	4000 K		M200502

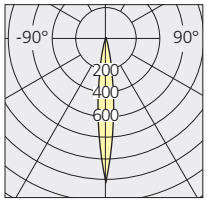
For Algoritmo, please see page 18

IP40
650°





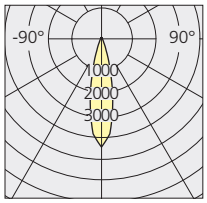
Pad 2x6°	LED		luminaire	
Power	10,5 W	10,5 W	13 W	13 W
Flux	835 lm	893 lm	710 lm	760 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (typ.)			
Color tolerance	MacAdam 4SDCM			
Service life	L70(6K) > 36000h			
Beam			2x6°	2x6°
Efficiency			85%	85%
Efficacy	80 lm/W	85 lm/W	55 lm/W	58 lm/W



cd/klm

3000 K α=2x6°				4000 K α=2x6°			
H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
1	0,22	8476	4191	1	0,22	9073	4487
2	0,43	2119	1048	2	0,43	2268	1122
3	0,65	942	466	3	0,65	1008	499
4	0,87	530	262	4	0,87	567	280
5	1,09	339	168	5	1,09	363	179

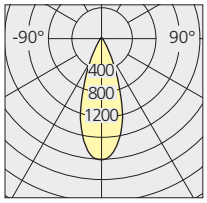
Pad 2x12°	LED		luminaire	
Power	10,5 W	10,5 W	13 W	13 W
Flux	835 lm	893 lm	710 lm	760 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (typ.)			
Color tolerance	MacAdam 4SDCM			
Service life	L70(6K) > 36000h			
Beam			2x12°	2x12°
Efficiency			85%	85%
Efficacy	80 lm/W	85 lm/W	55 lm/W	58 lm/W



cd/klm

3000 K α=2x12°				4000 K α=2x12°			
H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
1	0,41	3097	1471	1	0,41	3313	1574
2	0,81	774	368	2	0,81	828	393
3	1,22	344	163	3	1,22	368	175
4	1,63	194	92	4	1,63	207	98
5	2,03	124	59	5	2,03	133	63

Pad 2x19°	LED		luminaire	
Power	10,5 W	10,5 W	13 W	13 W
Flux	835 lm	893 lm	710 lm	760 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (typ.)			
Color tolerance	MacAdam 4SDCM			
Service life	L70(6K) > 36000h			
Beam			2x19°	2x19°
Efficiency			85%	85%
Efficacy	80 lm/W	85 lm/W	54 lm/W	58 lm/W



cd/klm

3000 K α=2x19°				4000 K α=2x19°			
H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
1	0,68	1428	609	1	0,68	3055	1592
2	1,37	357	152	2	1,37	764	382
3	2,05	159	68	3	2,05	339	170
4	2,74	89	38	4	2,74	191	96
5	3,42	57	24	5	3,42	122	61

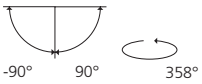
PAD ceiling

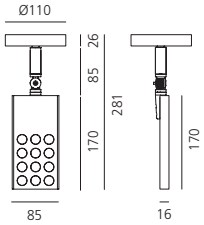
Gloss anodized

LED						SwitchDim
W	Weight	Beam	Flux	CCT	Color	Code
13 W	0,74 kg	2x6°	710 lm	3000 K		M200001
			760 lm	4000 K		M200101
		2x12°	710 lm	3000 K		M200201
			760 lm	4000 K		M200301
		2x19°	710 lm	3000 K		M200401
			760 lm	4000 K		M200501

IP40

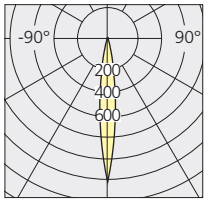
650°





Pad 2x6°	LED		luminaire	
Power	10,5 W	10,5 W	13 W	13 W
Flux	835 lm	893 lm	710 lm	760 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (typ.)			
Color tolerance	MacAdam 4SDCM			
Service life	L70(6K) > 36000h			
Beam			2x6°	2x6°
Efficiency			85%	85%
Efficacy	80 lm/W	85 lm/W	55 lm/W	58 lm/W

13 W

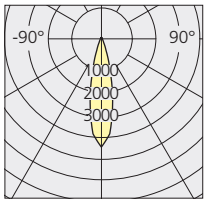


cd/klm

3000 K α=2x6°				4000 K α=2x6°			
H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
1	0,22	8476	4191	1	0,22	9073	4487
2	0,43	2119	1048	2	0,43	2268	1122
3	0,65	942	466	3	0,65	1008	499
4	0,87	530	262	4	0,87	567	280
5	1,09	339	168	5	1,09	363	179

Pad 2x12°	LED		luminaire	
Power	10,5 W	10,5 W	13 W	13 W
Flux	835 lm	893 lm	710 lm	760 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (typ.)			
Color tolerance	MacAdam 4SDCM			
Service life	L70(6K) > 36000h			
Beam			2x12°	2x12°
Efficiency			85%	85%
Efficacy	80 lm/W	85 lm/W	55 lm/W	58 lm/W

13 W

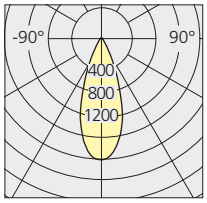


cd/klm

3000 K α=2x12°				4000 K α=2x12°			
H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
1	0,41	3097	1471	1	0,41	3313	1574
2	0,81	774	368	2	0,81	828	393
3	1,22	344	163	3	1,22	368	175
4	1,63	194	92	4	1,63	207	98
5	2,03	124	59	5	2,03	133	63

Pad 2x19°	LED		luminaire	
Power	10,5 W	10,5 W	13 W	13 W
Flux	835 lm	893 lm	710 lm	760 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (typ.)			
Color tolerance	MacAdam 4SDCM			
Service life	L70(6K) > 36000h			
Beam			2x19°	2x19°
Efficiency			85%	85%
Efficacy	80 lm/W	85 lm/W	55 lm/W	58 lm/W

13 W



cd/klm

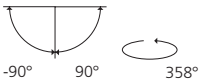
3000 K α=2x19°				4000 K α=2x19°			
H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
1	0,68	1428	609	1	0,68	3055	1592
2	1,37	357	152	2	1,37	764	382
3	2,05	159	68	3	2,05	339	170
4	2,74	89	38	4	2,74	191	96
5	3,42	57	24	5	3,42	122	61

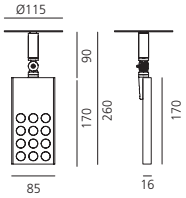
PAD semirecessed

Gloss anodized

LED						SwitchDim
W	Weight	Beam	Flux	CCT	Color	Code
13 W	0,73 kg	2x6°	710 lm	3000 K		M200004
			760 lm	4000 K		M200104
		2x12°	710 lm	3000 K		M200204
			760 lm	4000 K		M200304
		2x19°	710 lm	3000 K		M200404
			760 lm	4000 K		M200504

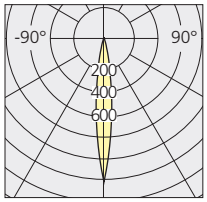
IP40
650°





Pad 2x6°	LED		luminaire	
Power	10,5 W	10,5 W	13 W	13 W
Flux	835 lm	893 lm	710 lm	760 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (typ.)			
Color tolerance	MacAdam 4SDCM			
Service life	L70(6K) > 36000h			
Beam			2x6°	2x6°
Efficiency			85%	85%
Efficacy	80 lm/W	85 lm/W	55 lm/W	58 lm/W

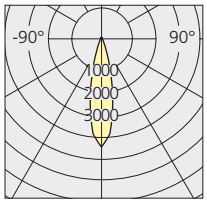
13 W



3000 K		α=2x6°		4000 K		α=2x6°	
H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
1	0,22	8476	4191	1	0,22	9073	4487
2	0,43	2119	1048	2	0,43	2268	1122
3	0,65	942	466	3	0,65	1008	499
4	0,87	530	262	4	0,87	567	280
5	1,09	339	168	5	1,09	363	179

Pad 2x12°	LED		luminaire	
Power	10,5 W	10,5 W	13 W	13 W
Flux	835 lm	893 lm	710 lm	760 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (typ.)			
Color tolerance	MacAdam 4SDCM			
Service life	L70(6K) > 36000h			
Beam			2x12°	2x12°
Efficiency			85%	85%
Efficacy	80 lm/W	85 lm/W	55 lm/W	58 lm/W

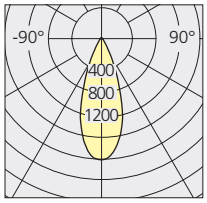
13 W



3000 K		α=2x12°		4000 K		α=2x12°	
H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
1	0,41	3097	1471	1	0,41	3313	1574
2	0,81	774	368	2	0,81	828	393
3	1,22	344	163	3	1,22	368	175
4	1,63	194	92	4	1,63	207	98
5	2,03	124	59	5	2,03	133	63

Pad 2x19°	LED		luminaire	
Power	10,5 W	10,5 W	13 W	13 W
Flux	835 lm	893 lm	710 lm	760 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (typ.)			
Color tolerance	MacAdam 4SDCM			
Service life	L70(6K) > 36000h			
Beam			2x19°	2x19°
Efficiency			85%	85%
Efficacy	80 lm/W	85 lm/W	55 lm/W	58 lm/W

13 W



3000 K		α=2x19°		4000 K		α=2x19°	
H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
1	0,68	1428	609	1	0,68	3055	1592
2	1,37	357	152	2	1,37	764	382
3	2,05	159	68	3	2,05	339	170
4	2,74	89	38	4	2,74	191	96
5	3,42	57	24	5	3,42	122	61

PAD Square track

Gloss anodized

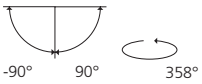
LED

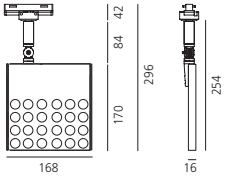
W	Weight	Beam	Flux	CCT	Color	Code
26 W	0,65 kg	2x6°	1420 lm	3000 K		M201503
			1520 lm	4000 K		M201603
		2x12°	1420 lm	3000 K		M201703
			1520 lm	4000 K		M201803
		2x19°	1420 lm	3000 K		M201903
			1520 lm	4000 K		M202003

non dimmable

IP40

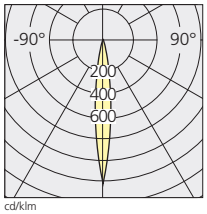
650°





Pad Square 2x6°	LED		luminaire	
Power	21 W	21 W	26 W	26 W
Flux	1670 lm	1787 lm	1420 lm	1520 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (typ.)			
Color tolerance	MacAdam 4SDCM			
Service life	L70(6K) > 36000h			
Beam			2x6°	2x6°
Efficiency			85%	85%
Efficacy	80 lm/W	85 lm/W	55 lm/W	58 lm/W

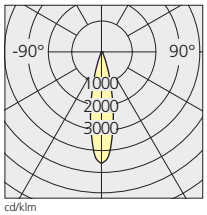
26 W



3000 K α=2x6°				4000 K α=2x6°			
H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
1	0,22	16952	8383	1	0,22	18145	8973
2	0,43	4238	2096	2	0,43	4536	2243
3	0,65	1884	931	3	0,65	2016	997
4	0,87	1059	524	4	0,87	1134	561
5	1,09	678	335	5	1,09	726	359

Pad Square 2x12°	LED		luminaire	
Power	21 W	21 W	26 W	26 W
Flux	1670 lm	1787 lm	1420 lm	1520 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (typ.)			
Color tolerance	MacAdam 4SDCM			
Service life	L70(6K) > 36000h			
Beam			2x12°	2x12°
Efficiency			85%	85%
Efficacy	80 lm/W	85 lm/W	55 lm/W	58 lm/W

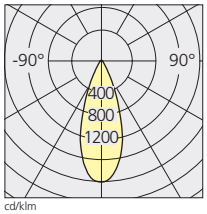
26 W



3000 K α=2x12°				4000 K α=2x12°			
H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
1	0,41	6193	2942	1	0,41	6626	3147
2	0,81	1548	753	2	0,81	1657	787
3	1,22	688	327	3	1,22	736	350
4	1,63	387	184	4	1,63	414	197
5	2,03	248	118	5	2,03	265	126

Pad Square 2x19°	LED		luminaire	
Power	21 W	21 W	26 W	26 W
Flux	1670 lm	1787 lm	1420 lm	1520 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (typ.)			
Color tolerance	MacAdam 4SDCM			
Service life	L70(6K) > 36000h			
Beam			2x19°	2x19°
Efficiency			85%	85%
Efficacy	80 lm/W	85 lm/W	55 lm/W	58 lm/W

26 W



3000 K α=2x19°				4000 K α=2x19°			
H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
1	0,68	2855	1218	1	0,68	3055	1303
2	1,37	714	304	2	1,37	764	326
3	2,05	317	135	3	2,05	339	145
4	2,74	178	76	4	2,74	191	81
5	3,42	114	49	5	3,42	122	52

PAD Square kit for Algoritmo System

Gloss anodized

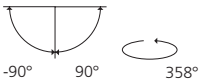
LED

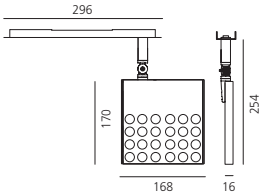
W	Weight	Beam	Flux	CCT	Color	non dimmable Code
26 W	0,76 kg	2x6°	1420 lm	3000 K		M201502
			1520 lm	4000 K		M201602
		2x12°	1420 lm	3000 K		M201702
			1520 lm	4000 K		M201802
		2x19°	1420 lm	3000 K		M201902
			1520 lm	4000 K		M202002

For Algoritmo, please see page 18

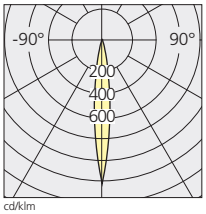
IP40

650°





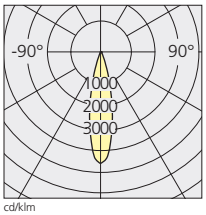
Pad Square 2x6°	LED		luminaire	
Power	21 W	21 W	26 W	26 W
Flux	1670 lm	1787 lm	1420 lm	1520 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (typ.)			
Color tolerance	MacAdam 4SDCM			
Service life	L70(6K) > 36000h			
Beam			2x6°	2x6°
Efficiency			85%	85%
Efficacy	80 lm/W	85 lm/W	55 lm/W	58 lm/W



cd/klm

26 W	3000 K		α=2x6°		4000 K		α=2x6°	
	H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
	1	0,22	16952	8383	1	0,22	18145	8973
	2	0,43	4238	2096	2	0,43	4536	2243
	3	0,65	1884	931	3	0,65	2016	997
	4	0,87	1059	524	4	0,87	1134	561
	5	1,09	678	335	5	1,09	726	359

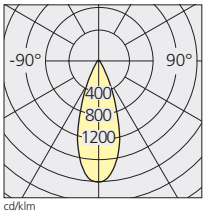
Pad Square 2x12°	LED		luminaire	
Power	21 W	21 W	26 W	26 W
Flux	1670 lm	1787 lm	1420 lm	1520 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (typ.)			
Color tolerance	MacAdam 4SDCM			
Service life	L70(6K) > 36000h			
Beam			2x12°	2x12°
Efficiency			85%	85%
Efficacy	80 lm/W	85 lm/W	55 lm/W	58 lm/W



cd/klm

26 W	3000 K		α=2x12°		4000 K		α=2x12°	
	H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
	1	0,41	6193	2942	1	0,41	6626	3147
	2	0,81	1548	753	2	0,81	1657	787
	3	1,22	688	327	3	1,22	736	350
	4	1,63	387	184	4	1,63	414	197
	5	2,03	248	118	5	2,03	265	126

Pad Square 2x19°	LED		luminaire	
Power	21 W	21 W	26 W	26 W
Flux	1670 lm	1787 lm	1420 lm	1520 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (typ.)			
Color tolerance	MacAdam 4SDCM			
Service life	L70(6K) > 36000h			
Beam			2x19°	2x19°
Efficiency			85%	85%
Efficacy	80 lm/W	85 lm/W	55 lm/W	58 lm/W



cd/klm

26 W	3000 K		α=2x19°		4000 K		α=2x19°	
	H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
	1	0,68	2855	1218	1	0,68	3055	1303
	2	1,37	714	304	2	1,37	764	326
	3	2,05	317	135	3	2,05	339	145
	4	2,74	178	76	4	2,74	191	81
	5	3,42	114	49	5	3,42	122	52

PAD Square ceiling

Gloss anodized

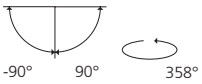
LED

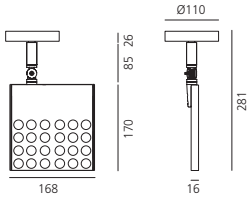
non dimmable

W	Weight	Beam	Flux	CCT	Color	Code
26 W	0,98 kg	2x6°	1420 lm	3000 K		M201501
			1520 lm	4000 K		M201601
		2x12°	1420 lm	3000 K		M201701
			1520 lm	4000 K		M201801
		2x19°	1420 lm	3000 K		M201901
			1520 lm	4000 K		M202001

IP40

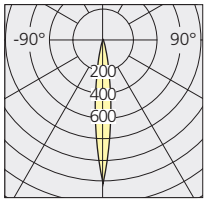
650°





Pad Square 2x6°	LED		luminaire	
Power	21 W	21 W	26 W	26 W
Flux	1670 lm	1787 lm	1420 lm	1520 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (typ.)			
Color tolerance	MacAdam 4SDCM			
Service life	L70(6K) > 36000h			
Beam			2x6°	2x6°
Efficiency			85%	85%
Efficacy	80 lm/W	85 lm/W	55 lm/W	58 lm/W

26 W

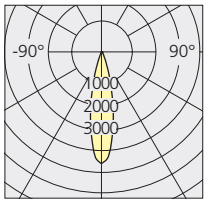


cd/klm

3000 K α=2x6°				4000 K α=2x6°			
H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
1	0,22	16952	8383	1	0,22	18145	8973
2	0,43	4238	2096	2	0,43	4536	2243
3	0,65	1884	931	3	0,65	2016	997
4	0,87	1059	524	4	0,87	1134	561
5	1,09	678	335	5	1,09	726	359

Pad Square 2x12°	LED		luminaire	
Power	21 W	21 W	26 W	26 W
Flux	1670 lm	1787 lm	1420 lm	1520 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (typ.)			
Color tolerance	MacAdam 4SDCM			
Service life	L70(6K) > 36000h			
Beam			2x12°	2x12°
Efficiency			85%	85%
Efficacy	80 lm/W	85 lm/W	55 lm/W	58 lm/W

26 W

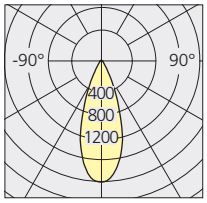


cd/klm

3000 K α=2x12°				4000 K α=2x12°			
H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
1	0,41	6193	2942	1	0,41	6626	3147
2	0,81	1548	753	2	0,81	1657	787
3	1,22	688	327	3	1,22	736	350
4	1,63	387	184	4	1,63	414	197
5	2,03	248	118	5	2,03	265	126

Pad Square 2x19°	LED		luminaire	
Power	21 W	21 W	26 W	26 W
Flux	1670 lm	1787 lm	1420 lm	1520 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (typ.)			
Color tolerance	MacAdam 4SDCM			
Service life	L70(6K) > 36000h			
Beam			2x19°	2x19°
Efficiency			85%	85%
Efficacy	80 lm/W	85 lm/W	55 lm/W	58 lm/W

26 W



cd/klm

3000 K α=2x19°				4000 K α=2x19°			
H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
1	0,68	2855	1218	1	0,68	3055	1303
2	1,37	714	304	2	1,37	764	326
3	2,05	317	135	3	2,05	339	145
4	2,74	178	76	4	2,74	191	81
5	3,42	114	49	5	3,42	122	52

PAD Square semirecessed

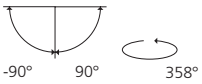
Gloss anodized

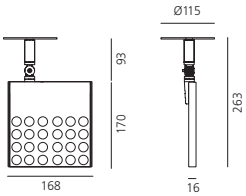
LED

W	Weight	Beam	Flux	CCT	Color	Code (non dimmable)
26 W	0,97 kg	2x6°	1420 lm	3000 K		M201504
			1520 lm	4000 K		M201604
		2x12°	1420 lm	3000 K		M201704
			1520 lm	4000 K		M201804
		2x19°	1420 lm	3000 K		M201904
			1520 lm	4000 K		M202004

IP40

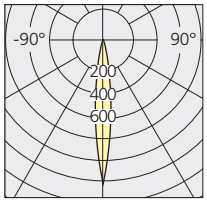
650°





Pad Square 2x6°	LED		luminaire	
Power	21 W	21 W	26 W	26 W
Flux	1670 lm	1787 lm	1420 lm	1520 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (typ.)			
Color tolerance	MacAdam 4SDCM			
Service life	L70(6K) > 36000h			
Beam			2x6°	2x6°
Efficiency			85%	85%
Efficacy	80 lm/W	85 lm/W	55 lm/W	58 lm/W

26 W



cd/klm

3000 K α=2x6°				4000 K α=2x6°			
H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
1	0,22	16952	8383	1	0,22	18145	8973
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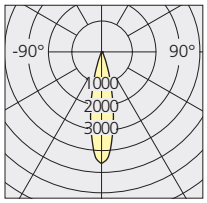
3	0,65	1884	931	3	0,65	2016	997
4	0,87	1059	524	4	0,87	1134	561
5	1,09	678	335	5	1,09	726	359

Pad Square 2x12°	LED		luminaire	
Power	21 W	21 W	26 W	26 W
Flux	1670 lm	1787 lm	1420 lm	1520 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (typ.)			
Color tolerance	MacAdam 4SDCM			
Service life	L70(6K) > 36000h			
Beam			2x12°	2x12°
Efficiency			85%	85%
Efficacy	80 lm/W	85 lm/W	55 lm/W	58 lm/W

26 W



cd/klm

3000 K α=2x12°				4000 K α=2x12°			
H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
1	0,41	6193	2942	1	0,41	6626	3147
2	0,81	1548	753	2	0,81	1657	787
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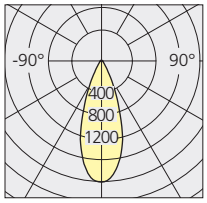
4	1,63	387	184	4	1,63	414	197
5	2,03	248	118	5	2,03	265	126

Pad Square 2x19°	LED		luminaire	
Power	21 W	21 W	26 W	26 W
Flux	1670 lm	1787 lm	1420 lm	1520 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (typ.)			
Color tolerance	MacAdam 4SDCM			
Service life	L70(6K) > 36000h			
Beam			2x19°	2x19°
Efficiency			85%	85%
Efficacy	80 lm/W	85 lm/W	55 lm/W	58 lm/W

26 W



cd/klm

3000 K α=2x19°				4000 K α=2x19°			
H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
1	0,68	2855	1218	1	0,68	3055	1303
2	1,37	714	304	2	1,37	764	326
3	2,05	317	135	3	2,05	339	145
4	2,74	178	76	4	2,74	191	81
5	3,42	114	49	5	3,42	122	52

PAD 80

Carlotta de Bevilacqua
2012

PAD 80 recessed adjustable - fixed
scale 1:1

Featuring an elegant design with integrated components, the PAD (Poème de l'Angle Droit) range is now available in a new series of unique and flexible ceiling-mounted LED products. This new range integrates modularity, extreme quality and high photometric performance; it is extremely flexible and perfect for many applications, specifically retail spaces and art galleries.

PAD 80 recessed adjustable - fixed
scale 1:1

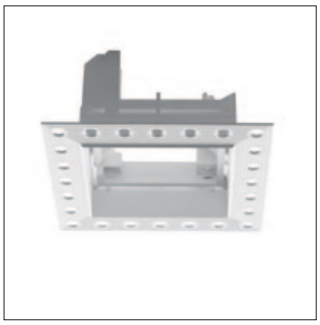
- Efficient, clear accent lighting, fixed and adjustable.
- 3 beam angles: 2x6°, 2x12°, 2x19°.
- Diffused ambient lighting (in fixed version).
- 2 colour temperatures: warm white (3000K) and neutral white (4000K) - CRI=80 (min.).
- Excellent lighting efficiency > 70lm/W.
- High adjustability: 360° rotation, +90°/-90° tilt angle.
- Fixed version available as IP44.
- Easy installation of light modules, no tools required.
- Lighting units available in 3 finishes: gloss aluminium, painted white, painted black.
- Structural elements of recessed-mounted version available in 3 sizes, for use with 1, 2, 3 and 2x2 modules. 3 compatible finishes (polished aluminium, white, and black).
- Housing of ceiling-mounted version available in 3 sizes (1, 2, 3 lighting units), and 3 compatible finishes (polished aluminium, white and black).
- Recessed-mounted version available as trimless or framed.
- Materials: body in anodized extruded aluminium, diffuser in opal polycarbonate.
- Complies with standard EN60598-1 and other specific standards.

PAD 80 Recessed

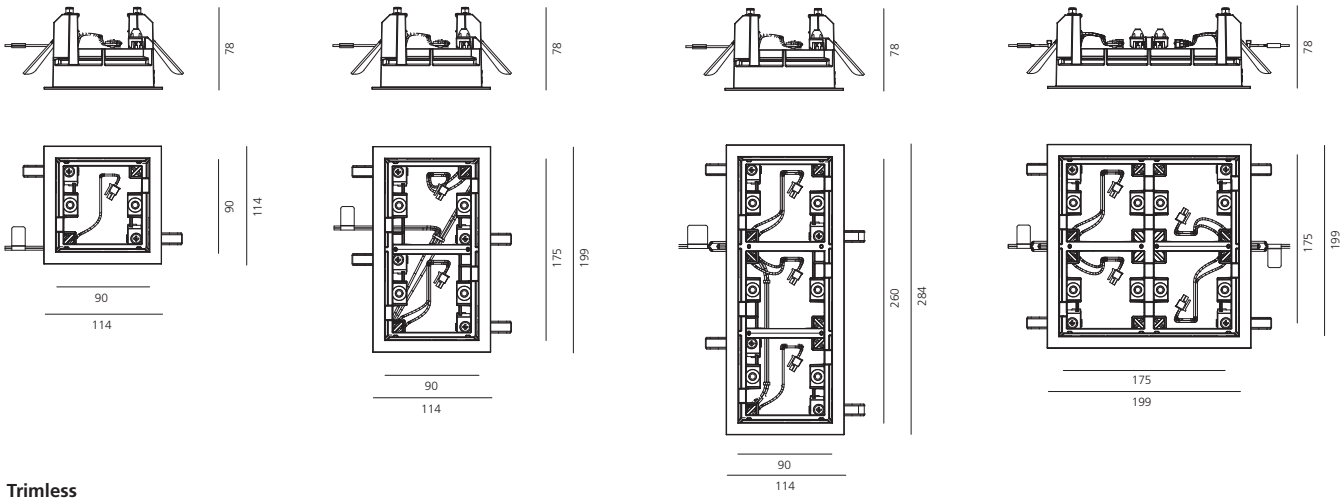
White ○ Black ● Gloss anodized ◑

Frame for recessed installation		Color	Trim	Trimless
			Code	Code
for 1 optic unit	103x103	○	M246820	M246420
		●	M246810	M246410
		◑	M246860	M246460
for 2 optic units	103x186	○	M246920	M246520
		●	M246910	M246510
		◑	M246960	M246560
for 3 optic units	103x271	○	M247020	M246620
		●	M247010	M246610
		◑	M247060	M246660
for 4 optic units	189x189	○	M247120	M246720
		●	M247110	M246710
		◑	M247160	M246760

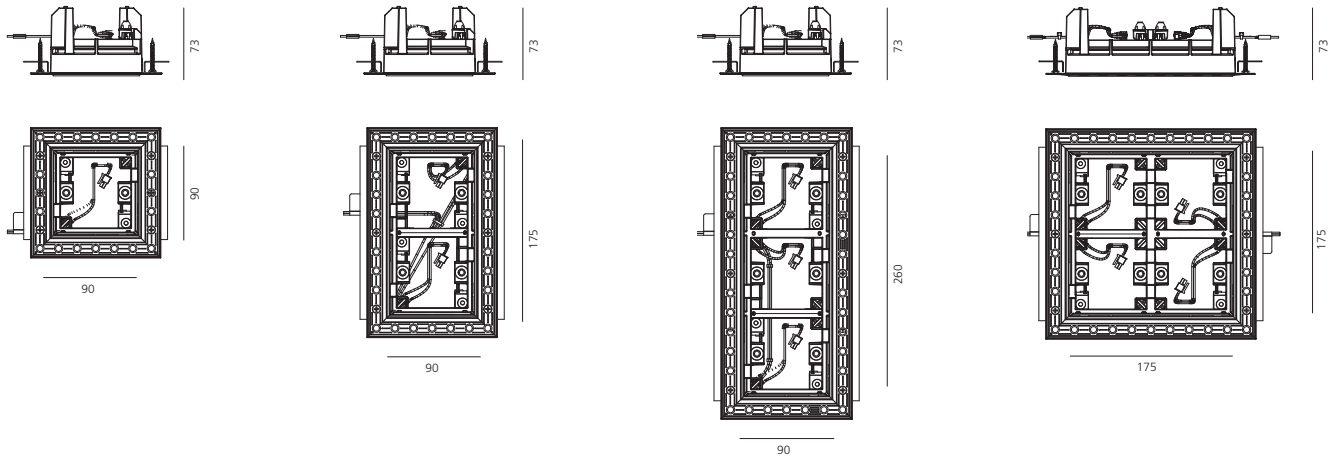
Independent power supply and optic units, to be ordered separately.
Plasterboard thickness from 1mm to 40mm



Trim



Trimless



previous pages
PAD 80 recessed
Private residence
Milan (Italy)

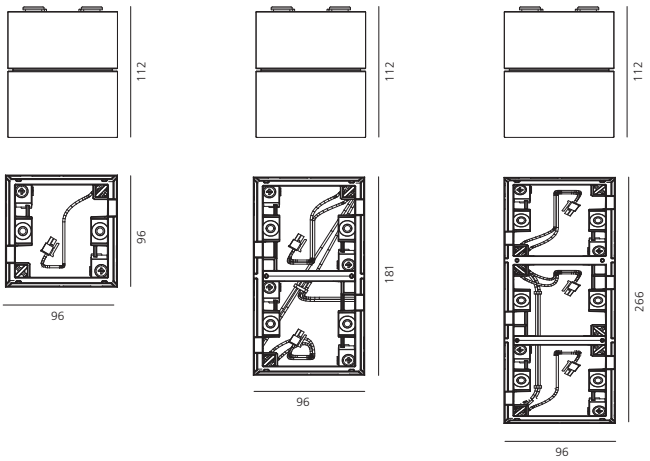
PAD 80 Ceiling

White ○ Black ● Gloss anodized ◑

Frame for ceiling version

		Color	Code
for 1 optic unit	96x96x109 h	○	M247220
		●	M247210
		◑	M247260
for 2 optics units	96x181x109 h	○	M247320
		●	M247310
		◑	M247360
for 3 optics units	96x266x109 h	○	M247420
		●	M247410
		◑	M247460

Optic units, to be ordered separately.



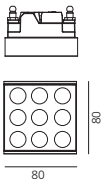
PAD 80 LED with fixed lenses

White ○ Black ● Gloss anodized ◑

LED optic unit

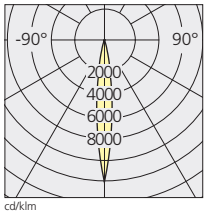
W (LED)	Weight	Beam	Flux	CCT	Light unit	Code
9 W	0,35 kg	2x6°	731 lm	3000 K	○	M245020
					●	M245010
					◑	M245060
			782 lm	4000 K	○	M245420
					●	M245410
					◑	M245460
		2x12°	731 lm	3000 K	○	M245120
					●	M245110
					◑	M245160
			782 lm	4000 K	○	M245520
					●	M245510
					◑	M245560
		2x19°	731 lm	3000 K	○	M245220
					●	M245210
					◑	M245260
			782 lm	4000 K	○	M245620
					●	M245610
					◑	M245660

▼ **IP**20 / ▲ **IP**44 ⊕
650°



Pad 80 2x6°	LED		luminaire	
Power	9 W	9 W	9 W	9 W
Flux	860 lm	920 lm	731lm	782 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (min.)			
Color tolerance	MacAdam 4SDCM			
Service life	L70(6K) > 36000h			
Beam			2x6°	2x6°
Efficiency			85%	85%
Efficacy	96 lm/W	102 lm/W	81lm/W	87 lm/W

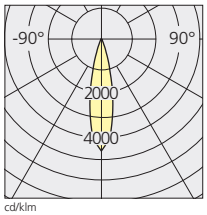
9 W 3000 K α=2x6° 4000 K α=2x6°



H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
1	0,22	8727	4315	1	0,22	9335	4616
2	0,43	2182	1079	2	0,43	2334	1154
3	0,65	970	479	3	0,65	1037	513
4	0,87	545	270	4	0,87	583	289
5	1,09	349	173	5	1,09	373	185

Pad 80 2x12°	LED		luminaire	
Power	9 W	9 W	9 W	9 W
Flux	860 lm	920 lm	731lm	782 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (min.)			
Color tolerance	MacAdam 4SDCM			
Service life	L70(6K) > 36000h			
Beam			2x12°	2x12°
Efficiency			85%	85%
Efficacy	96 lm/W	102 lm/W	81lm/W	87 lm/W

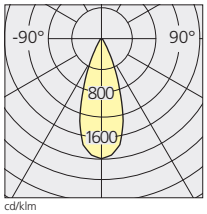
9 W 3000 K α=2x12° 4000 K α=2x12°



H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
1	0,41	3295	1565	1	0,41	3525	1674
2	0,81	824	391	2	0,81	881	419
3	1,22	366	174	3	1,22	392	186
4	1,63	206	98	4	1,63	220	105
5	2,03	132	63	5	2,03	141	67

Pad 80 2x19°	LED		luminaire	
Power	9 W	9 W	9 W	9 W
Flux	860 lm	920 lm	731lm	782 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (min.)			
Color tolerance	MacAdam 4SDCM			
Service life	L70(6K) > 36000h			
Beam			2x19°	2x19°
Efficiency			85%	85%
Efficacy	96 lm/W	102 lm/W	81lm/W	87 lm/W

9 W 3000 K α=2x19° 4000 K α=2x19°



H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
1	0,68	1474	629	1	0,68	1577	672
2	1,37	369	157	2	1,37	394	168
3	2,05	164	70	3	2,05	175	75
4	2,74	92	39	4	2,74	99	42
5	3,42	59	25	5	3,42	63	27

Non dimmable power supply

	Code
Independent LED power supply Not dimmable. Output power: 19 W. Supply voltage: 220-240 V. Output current: 350 mA. SELV. IP20. Insulation class II. 1 power supply for 1 optic Pad 80	M074600
Independent LED power supply Not dimmable. Output power: 20 W. Supply voltage: 220-240 V. Output current: 350 mA. SELV. IP20. Insulation class II. 1 power supply for 2 optic Pad 80 2 power supply for 2x2 optics Pad 80	M076300
Independent LED power supply Not dimmable. Output power: 35 W. Supply voltage: 220-240 V. Output current: 350 mA. SELV. IP20. Insulation class II. 1 power supply for 3 optic Pad 80	M076400

Dali dimmable power supply

	Code
Independent LED power supply Dimmable Dali. Output power: 17W. Supply voltage: 220-240 V. Output current: 350 mA. SELV. IP20. Insulation class II. 1 power supply for 1 optic Pad 80	M076500
Independent LED power supply Dimmable Dali-SwitchDim. Output power: 35 W. Supply voltage: 220-240 V. Output current: 350 mA. SELV. IP20. Insulation class II. 1 Alimentatore per 2 o 3 ottiche Pad 80	M076600
Independent LED power supply Dimmable Dali. Output power: 40 W (2x20 W). Supply voltage: 220-240 V. Output current: 350 mA. SELV. IP20. Insulation class II. 2 power supply for 2x2 optics Pad 80	M076200

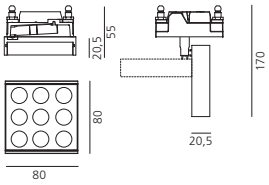
PAD 80 LED with adjustable lenses

White ○ Black ● Gloss anodized ◑

LED optic unit

W (LED)	Weight	Beam	Flux	CCT	Light unit	Code
9 W	0,36 kg	2x6°	731 lm	3000 K	○	M245820
					●	M245810
					◑	M245860
			782 lm	4000 K	○	M246120
					●	M246110
					◑	M246160
		2x12°	731 lm	3000 K	○	M245920
					●	M245910
					◑	M245960
			782 lm	4000 K	○	M246220
					●	M246210
					◑	M246260
		2x19°	731 lm	3000 K	○	M246020
					●	M246010
					◑	M246060
			782 lm	4000 K	○	M246320
					●	M246310
					◑	M246360

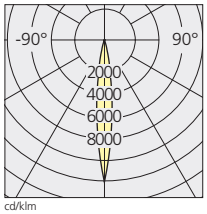
IP20 650°



Pad 80 2x6°

	LED		luminaire	
Power	9 W	9 W	9 W	9 W
Flux	860 lm	920 lm	731lm	782 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (min.)			
Color tolerance	MacAdam 4SDCM			
Service life	L70(6K)>36000h			
Beam			2x6°	2x6°
Efficiency			85%	85%
Efficacy	96 lm/W	102 lm/W	81lm/W	87 lm/W

9 W

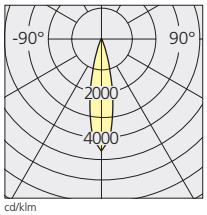


3000 K			α=2x6°	4000 K			α=2x6°
H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
1	0,22	8727	4315	1	0,22	9335	4616
2	0,43	2182	1079	2	0,43	2334	1154
3	0,65	970	479	3	0,65	1037	513
4	0,87	545	270	4	0,87	583	289
5	1,09	349	173	5	1,09	373	185

Pad 80 2x12°

	LED		luminaire	
Power	9 W	9 W	9 W	9 W
Flux	860 lm	920 lm	731lm	782 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (min.)			
Color tolerance	MacAdam 4SDCM			
Service life	L70(6K)>36000h			
Beam			2x12°	2x12°
Efficiency			85%	85%
Efficacy	96 lm/W	102 lm/W	81lm/W	87 lm/W

9 W

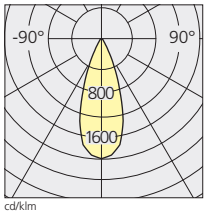


3000 K			α=2x12°	4000 K			α=2x12°
H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
1	0,41	3295	1565	1	0,41	3525	1674
2	0,81	824	391	2	0,81	881	419
3	1,22	366	174	3	1,22	392	186
4	1,63	206	98	4	1,63	220	105
5	2,03	132	63	5	2,03	141	67

Pad 80 2x19°

	LED		luminaire	
Power	9 W	9 W	9 W	9 W
Flux	860 lm	920 lm	731lm	782 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (min.)			
Color tolerance	MacAdam 4SDCM			
Service life	L70(6K)>36000h			
Beam			2x19°	2x19°
Efficiency			85%	85%
Efficacy	96 lm/W	102 lm/W	81lm/W	87 lm/W

9 W



3000 K			α=2x19°	4000 K			α=2x19°
H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
1	0,68	1474	629	1	0,68	1577	672
2	1,37	369	157	2	1,37	394	168
3	2,05	164	70	3	2,05	175	75
4	2,74	92	39	4	2,74	99	42
5	3,42	59	25	5	3,42	63	27

Non dimmable power supply

	Code
Independent LED power supply Not dimmable. Output power: 19 W. Supply voltage: 220-240 V. Output current: 350 mA. SELV. IP20. Insulation class II. 1 power supply for 1 optic Pad 80	M074600
Independent LED power supply Not dimmable. Output power: 20 W. Supply voltage: 220-240 V. Output current: 350 mA. SELV. IP20. Insulation class II. 1 power supply for 2 optic Pad 80 2 power supply for 2x2 optics Pad 80	M076300
Independent LED power supply Not dimmable. Output power: 35 W. Supply voltage: 220-240 V. Output current: 350 mA. SELV. IP20. Insulation class II. 1 power supply for 3 optic Pad 80	M076400

Dali dimmable power supply

	Code
Independent LED power supply Dimmable Dali. Output power: 17W. Supply voltage: 220-240 V. Output current: 350 mA. SELV. IP20. Insulation class II. 1 power supply for 1 optic Pad 80	M076500
Independent LED power supply Dimmable Dali-SwitchDim. Output power: 35 W. Supply voltage: 220-240 V. Output current: 350 mA. SELV. IP20. Insulation class II. 1 Alimentatore per 2 o 3 ottiche Pad 80	M076600
Independent LED power supply Dimmable Dali. Output power: 40 W (2x20 W). Supply voltage: 220-240 V. Output current: 350 mA. SELV. IP20. Insulation class II. 2 power supply for 2x2 optics Pad 80	M076200

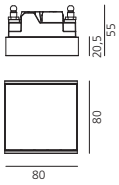
PAD 80 fixed diffuser

White ○ Black ● Gloss anodized ◑

LED optic unit

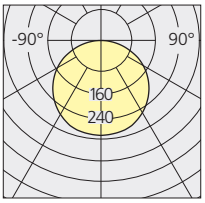
W (LED)	Weight	Beam	Flux	CCT	Light unit	Code
9 W	0,35 kg	2x61°	602 lm	3000 K	○	M245320
					●	M245310
					◑	M245360
			644 lm	4000 K	○	M245720
					●	M245710
					◑	M245760

▼ **IP**20 / ▲ **IP**44 ⊕
650°



PAD 80 fixed diffuser	LED		luminaire	
Power	9 W	9 W	9 W	9 W
Flux	860 lm	920 lm	602 lm	644 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (min.)			
Color tolerance	MacAdam 4SDCM			
Service life	L70(6K) > 36000h			
Beam			2x61°	2x61°
Efficiency			70%	70%
Efficacy	96 lm/W	102 lm/W	67 lm/W	72 lm/W

9 W



cd/klm

	3000 K		α=2x61°		4000 K		α=2x61°	
	H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
	1	3,56	188	11	1	3,56	201	12
	2	7,13	47	3	2	7,13	50	3
	3	10,69	21	1	3	10,69	22	1
	4	14,26	12	1	4	14,26	13	1
	5	17,82	8	0	5	17,82	8	0

Light ON

Light OFF

Non dimmable power supply

	code
Independent LED power supply Not dimmable. Output power: 19 W. Supply voltage: 220-240 V. Output current: 350 mA. SELV. IP20. Insulation class II. 1 power supply for 1 optic Pad 80	M074600
Independent LED power supply Not dimmable. Output power: 20 W. Supply voltage: 220-240 V. Output current: 350 mA. SELV. IP20. Insulation class II. 1 power supply for 2 optic Pad 80 2 power supply for 2x2 optics Pad 80	M076300
Independent LED power supply Not dimmable. Output power: 35 W. Supply voltage: 220-240 V. Output current: 350 mA. SELV. IP20. Insulation class II. 1 power supply for 3 optic Pad 80	M076400

Dali dimmable power supply

	Code
Independent LED power supply Dimmable Dali. Output power: 17W. Supply voltage: 220-240 V. Output current: 350 mA. SELV. IP20. Insulation class II. 1 power supply for 1 optic Pad 80	M076500
Independent LED power supply Dimmable Dali-SwitchDim. Output power: 35 W. Supply voltage: 220-240 V. Output current: 350 mA. SELV. IP20. Insulation class II. 1 Alimentatore per 2 o 3 ottiche Pad 80	M076600
Independent LED power supply Dimmable Dali. Output power: 40 W (2x20 W). Supply voltage: 220-240 V. Output current: 350 mA. SELV. IP20. Insulation class II. 2 power supply for 2x2 optics Pad 80	M076200

Everything

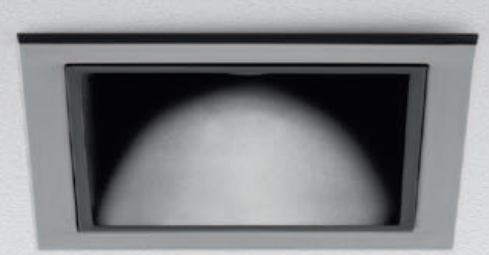
Studio Artemide

2013

Everything is an innovative range of professional recessed light fittings created to deliver a high lighting performance, with an eye on energy saving and excellent visual comfort. A complete, flexible product range, extremely versatile in its many applications and able to meet challenging lighting performance criteria.

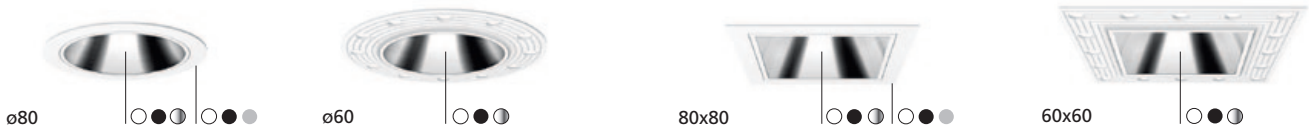
Everything

- 2 dimensions: 80 mm, 105 mm.
- Different options available: professional and standard, fixed or adjustable, round or square.
- 2 light sources: LED or metal halide (excluding standard M option)
- LED versions use an optical system based on a hybrid technology (lens and reflector) producing defined beams with high-power LEDs.
- The extruded aluminium heat sink guarantees great thermal management, long life and high efficiency, while providing maximum luminous flux.
- Mono-chromatic emissions in warm white (3000K) and neutral white (4000K) – CRI=80 (min).
- Adjustable versions (excluding standard M option) are equipped with a blocking system to guarantee perfect framing.
- Rotation up to 360°, beam angle +30°/-30°.
- Anti-dazzle cone to ensure maximum visual comfort. Black or white options available in polycarbonate for standard M version. Black or polished metal options for M pro.
- Aluminium frames available in 2 finishes (white, silver grey) for the professional version, and in 3 finishes (white, black, silver grey) for the standard M version.
- Separate electronic driver: non-dimmable or DALI dimmable options for LED products.
- Compliant with standard EN60598-1 and other specific regulations.



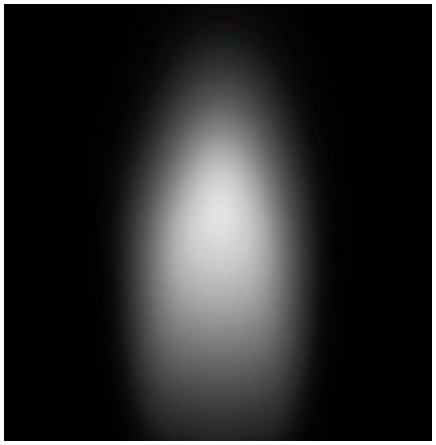
Everything

Everything M Standard - LED

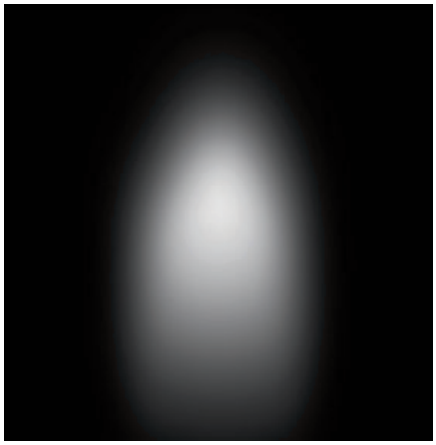


Everything M Pro - LED

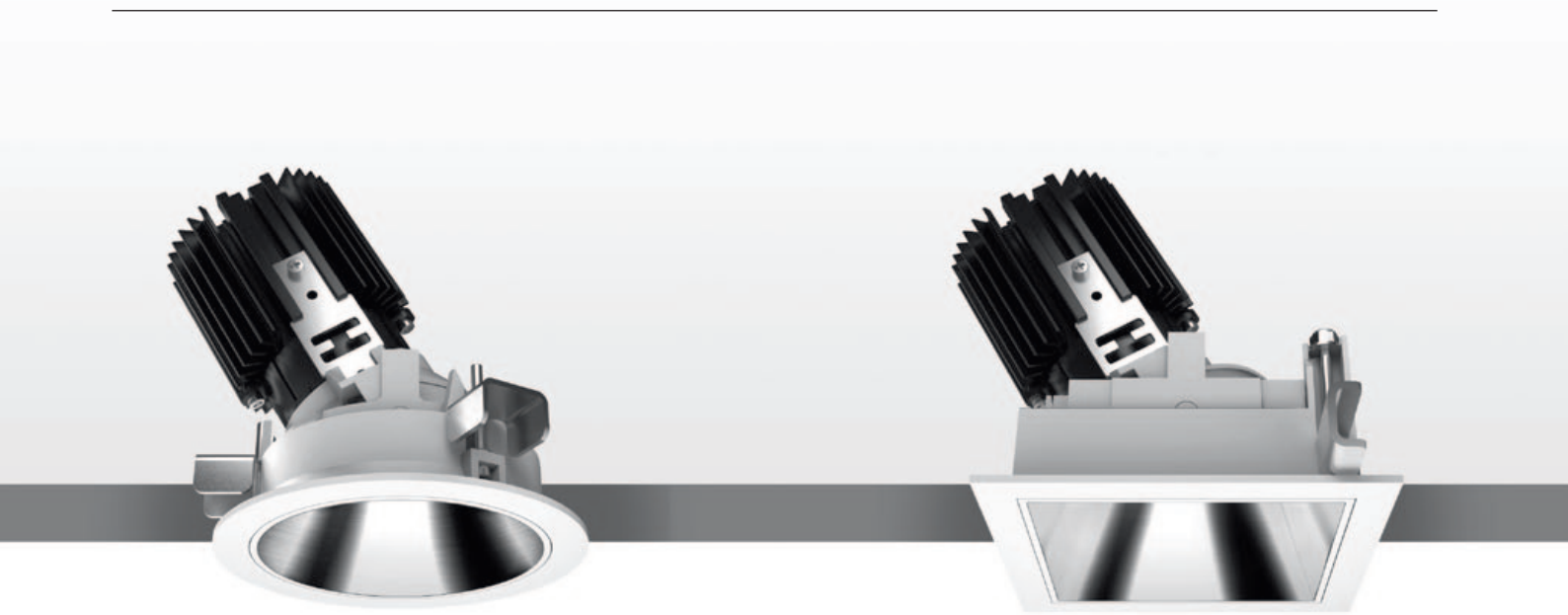
Spot
2x9°

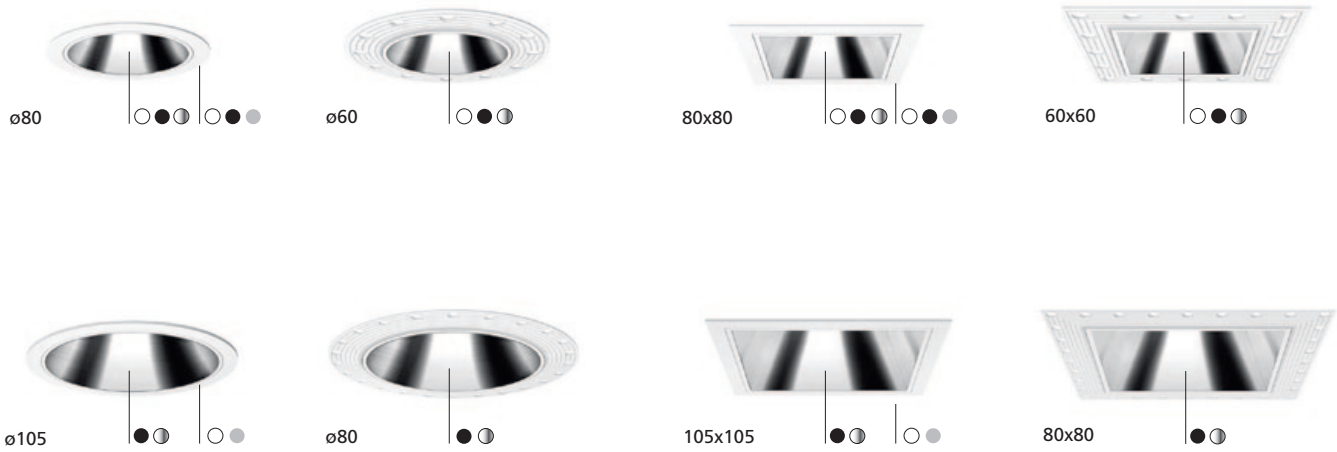


Medium flood
2x14°

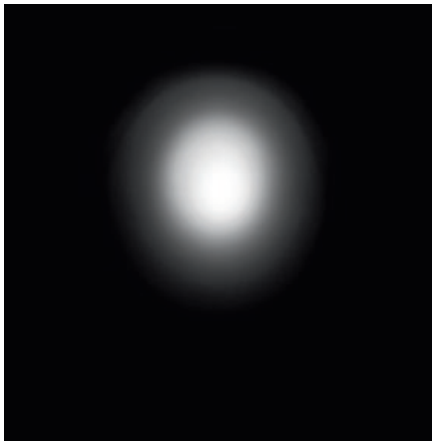


Wide flood
2x22°

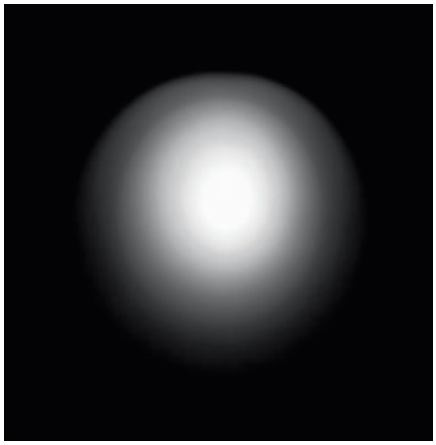




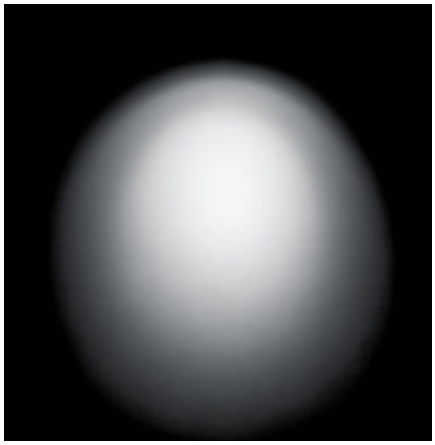
Spot
2x9°



Medium flood
2x14°



Wide flood
2x22°



top

Private residence
Rome - Italy

right

Private studio
Milan - Italy

Everything M Standard round trim

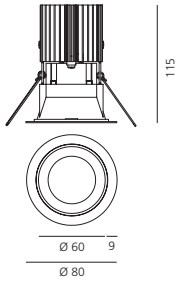
White ○ Black ● Silver ● Polished metal ◑

LED							Fixed	Adjustable
W LED	Weight	Beam	Flux	CCT	Trim	Deflector	Code	Code
14 W	0,24 kg	2x9°	801 lm	3000 K	○	○	M251020	M251025
					●	◑	M278610	M278615
					○	◑	M278620	M278625
					○	●	M251620	M251625
					●	●	M251610	M251615
					●	●	M251660	M251665
			858 lm	4000 K	○	○	M251120	M251125
					●	◑	M278710	M278715
					○	◑	M278720	M278725
					○	●	M251720	M251725
					●	●	M251710	M251715
					●	●	M251760	M251765
		2x14°	793 lm	3000 K	○	○	M251220	M251225
					●	◑	M278810	M278815
					○	◑	M278820	M278825
					○	●	M251820	M251825
					●	●	M251810	M251815
					●	●	M251860	M251865
			848 lm	4000 K	○	○	M251320	M251325
					●	◑	M278910	M278915
					○	◑	M278920	M278925
					○	●	M251920	M251925
					●	●	M251910	M251915
					●	●	M251960	M251965
		2x22°	750 lm	3000 K	○	○	M251420	M251425
					●	◑	M279010	M279015
					○	◑	M279020	M279025
					○	●	M252020	M252025
					●	●	M252010	M252015
					●	●	M252060	M252065
			802 lm	4000 K	○	○	M251520	M251525
					●	◑	M279110	M279115
					○	◑	M279120	M279125
					○	●	M252120	M252125
					●	●	M252110	M252115
					●	●	M252160	M252165

Independent power supply, to be ordered separately.

▼ IP20 / ▲ IP44 ⊕
850°

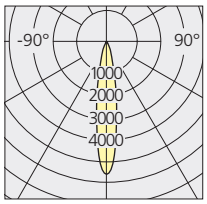
ø 67 mm



Everything 2x9°

	LED		luminaire	
Power	14 W	14 W	14 W	14 W
Flux	1120 lm	1200 lm	801 lm	858 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (min.)			
Color tolerance	MacAdam 3SDCM			
Service life	L70(6K) > 36000h			
Beam			2x9°	2x9°
Efficiency			72%	72%
Efficacy	80 lm/W	86 lm/W	57 lm/W	61 lm/W

14 W



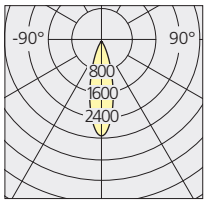
cd/klm

3000 K		α=2x9°		4000 K		α=2x9°	
H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
1	0,31	4460	2168	1	0,31	4777	2322
2	0,62	1115	542	2	0,62	1194	581
3	0,93	496	241	3	0,93	531	258
4	1,24	279	136	4	1,24	299	145
5	1,55	178	87	5	1,55	191	93

Everything 2x14°

	LED		luminaire	
Power	14 W	14 W	14 W	14 W
Flux	1120 lm	1200 lm	793 lm	848 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (min.)			
Color tolerance	MacAdam 3SDCM			
Service life	L70(6K) > 36000h			
Beam			2x14°	2x14°
Efficiency			71%	71%
Efficacy	80 lm/W	86m/W	56 lm/W	61 lm/W

14 W



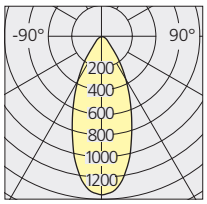
cd/klm

3000 K		α=2x14°		4000 K		α=2x14°	
H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
1	0,49	2431	1116	1	0,49	2600	1194
2	0,98	608	279	2	0,98	650	298
3	1,46	270	124	3	1,46	289	133
4	1,95	152	70	4	1,95	162	75
5	2,44	97	45	5	2,44	104	48

Everything 2x22°

	LED		luminaire	
Power	14 W	14 W	14 W	14 W
Flux	1120 lm	1200 lm	750 lm	802 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (min.)			
Color tolerance	MacAdam 3SDCM			
Service life	L70(6K) > 36000h			
Beam			2x22°	2x22°
Efficiency			67%	67%
Efficacy	80 lm/W	86 lm/W	54 lm/W	57 lm/W

14 W



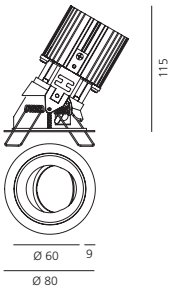
cd/klm

3000 K		α=2x22°		4000 K		α=2x22°	
H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
1	0,79	1025	414	1	0,79	1096	443
2	1,58	256	104	2	1,58	274	111
3	2,36	114	46	3	2,36	122	49
4	3,15	64	26	4	3,15	69	28
5	3,94	41	17	5	3,94	44	18

IP20
850°

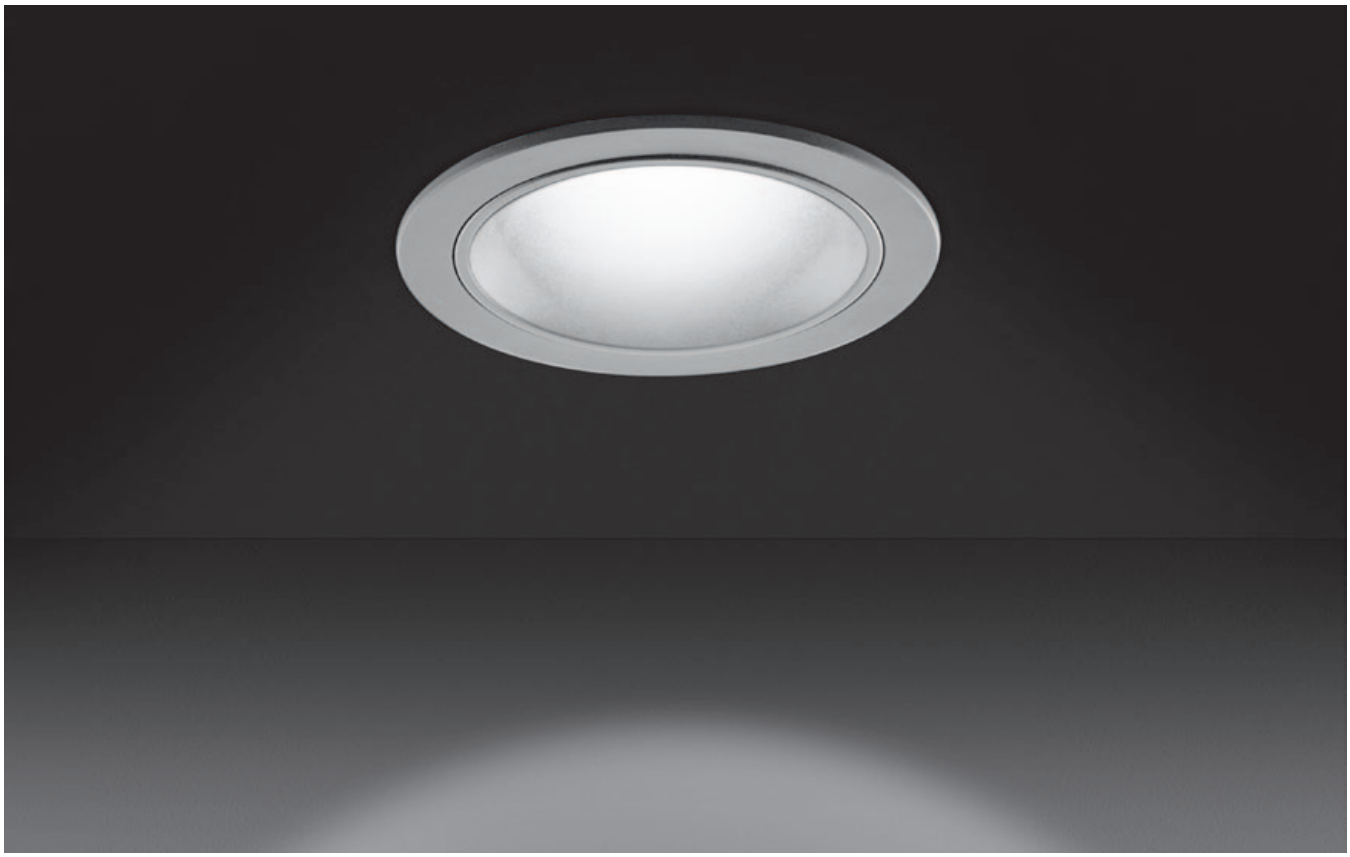
ø 67 mm

30°



Power supply units

		Code
	Independent LED power supply Not dimmable. Output power: 19 W. Supply voltage: 220-240 V. Output current: 350 mA. SELV. IP20. Insulation class II. Dimensions: 125 x 38 x 23 mm. 0,08 kg. For powering a single unit. Please contact the retailer if you require different configurations.	M074600
	Independent LED power supply DALI dimmable. Output power: 16,8W. Supply voltage: 220-240 V. Output current: 350 mA. SELV. IP20. Insulation class II. Dimensions: 156 x 52 x 26 mm. 0,05kg. For powering a single unit. Please contact the retailer if you require different configurations.	M074700



Everything M Standard round trimless

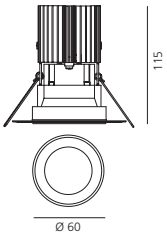
White ○ Black ● Polished metal ◑

LED						Fixed	Adjustable
W LED	Weight	Beam	Flux	CCT	Deflector	Code	Code
14 W	0,24 kg	2x9°	801 lm	3000 K	○	M252200	M252205
					●	M252800	M252805
					◑	M279200	M279205
			858 lm	4000 K	○	M252300	M252305
					●	M252900	M252905
					◑	M279300	M279305
		2x14°	793 lm	3000 K	○	M252400	M252405
					●	M253000	M253005
					◑	M279400	M279405
			848 lm	4000 K	○	M252500	M252505
					●	M253100	M253105
					◑	M279500	M279505
		2x22°	750 lm	3000 K	○	M252600	M252605
					●	M253200	M253205
					◑	M279600	M279605
			802 lm	4000 K	○	M252700	M252705
					●	M253300	M253305
					◑	M279700	M279705

Independent power supply, to be ordered separately.

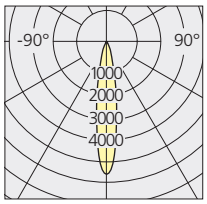
▼ **IP**20 / ▲ **IP**44 850°

ø 67 mm



Everything 2x9°	LED		luminaire	
Power	14 W	14 W	14 W	14 W
Flux	1120 lm	1200 lm	801 lm	858 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (min.)			
Color tolerance	MacAdam 3SDCM			
Service life	L70(6K) > 36000h			
Beam			2x9°	2x9°
Efficiency			72%	72%
Efficacy	80 lm/W	86 lm/W	57 lm/W	61 lm/W

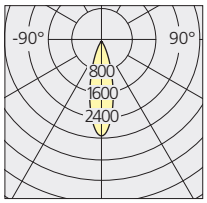
14 W



3000 K α=2x9°				4000 K α=2x9°			
H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
1	0,31	4460	2168	1	0,31	4777	2322
2	0,62	1115	542	2	0,62	1194	581
3	0,93	496	241	3	0,93	531	258
4	1,24	279	136	4	1,24	299	145
5	1,55	178	87	5	1,55	191	93

Everything 2x14°	LED		luminaire	
Power	14 W	14 W	14 W	14 W
Flux	1120 lm	1200 lm	793 lm	848 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (min.)			
Color tolerance	MacAdam 3SDCM			
Service life	L70(6K) > 36000h			
Beam			2x14°	2x14°
Efficiency			71%	71%
Efficacy	80 lm/W	86m/W	56 lm/W	61 lm/W

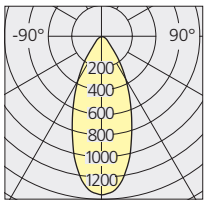
14 W



3000 K α=2x14°				4000 K α=2x14°			
H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
1	0,49	2431	1116	1	0,49	2600	1194
2	0,98	608	279	2	0,98	650	298
3	1,46	270	124	3	1,46	289	133
4	1,95	152	70	4	1,95	162	75
5	2,44	97	45	5	2,44	104	48

Everything 2x22°	LED		luminaire	
Power	14 W	14 W	14 W	14 W
Flux	1120 lm	1200 lm	750 lm	802 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (min.)			
Color tolerance	MacAdam 3SDCM			
Service life	L70(6K) > 36000h			
Beam			2x22°	2x22°
Efficiency			67%	67%
Efficacy	80 lm/W	86 lm/W	54 lm/W	57 lm/W

14 W

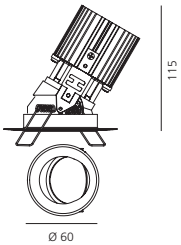


3000 K α=2x22°				4000 K α=2x22°			
H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
1	0,79	1025	414	1	0,79	1096	443
2	1,58	256	104	2	1,58	274	111
3	2,36	114	46	3	2,36	122	49
4	3,15	64	26	4	3,15	69	28
5	3,94	41	17	5	3,94	44	18

IP20
850°

ø 67 mm

30°



Power supply units

	Code
Independent LED power supply Not dimmable. Output power: 19 W. Supply voltage: 220-240 V. Output current: 350 mA. SELV. IP20. Insulation class II. Dimensions: 125 x 38 x 23 mm. 0,08 kg. For powering a single unit. Please contact the retailer if you require different configurations.	M074600
Independent LED power supply DALI dimmable. Output power: 16,8W. Supply voltage: 220-240 V. Output current: 350 mA. SELV. IP20. Insulation class II. Dimensions: 156 x 52 x 26 mm. 0,05kg. For powering a single unit. Please contact the retailer if you require different configurations.	M074700

Everything M Standard square trim

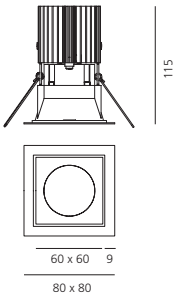
White ○ Black ● Silver ● Polished metal ◑

LED							Fixed	Adjustable
W LED	Weight	Beam	Flux	CCT	Trim	Deflector	Code	Code
14 W	0,24 kg	2x9°	801 lm	3000 K	○	○	M253420	M253425
					●	◑	M273610	M273615
					○	◑	M273620	M273625
					○	●	M254020	M254025
					●	●	M254010	M254015
					●	●	M254060	M254065
			858 lm	4000 K	○	○	M253520	M253525
					●	◑	M273710	M273715
					○	◑	M273720	M273725
					○	●	M254120	M254125
					●	●	M254110	M254115
					●	●	M254160	M254165
		2x14°	793 lm	3000 K	○	○	M253620	M253625
					●	◑	M273810	M273815
					○	◑	M273820	M273825
					○	●	M254220	M254225
					●	●	M254210	M254215
					●	●	M254260	M254265
			848 lm	4000 K	○	○	M253720	M253725
					●	◑	M273910	M273915
					○	◑	M273920	M273925
					○	●	M254320	M254325
					●	●	M254310	M254315
					●	●	M254360	M254365
		2x22°	750 lm	3000 K	○	○	M253820	M253825
					●	◑	M274010	M274015
					○	◑	M274020	M274025
					○	●	M254420	M254425
					●	●	M254410	M254415
					●	●	M254460	M254465
			802 lm	4000 K	○	○	M253920	M253925
					●	◑	M274110	M274115
					○	◑	M274120	M274125
					○	●	M254520	M254525
					●	●	M254510	M254515
					●	●	M254560	M254565

Independent power supply, to be ordered separately.

▼ **IP**20 / ▲ **IP**44 ⊕
850°

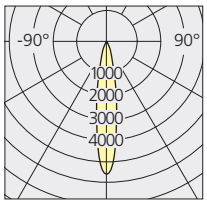
67 x 67 mm



Everything 2x9°

	LED		luminaire	
Power	14 W	14 W	14 W	14 W
Flux	1120 lm	1200 lm	801 lm	858 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (min.)			
Color tolerance	MacAdam 3SDCM			
Service life	L70(6K) > 36000h			
Beam			2x9°	2x9°
Efficiency			72%	72%
Efficacy	80 lm/W	86 lm/W	57 lm/W	61 lm/W

14 W



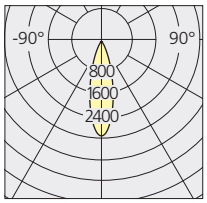
cd/klm

3000 K α=2x9°				4000 K α=2x9°			
H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
1	0,31	4460	2168	1	0,31	4777	2322
2	0,62	1115	542	2	0,62	1194	581
3	0,93	496	241	3	0,93	531	258
4	1,24	279	136	4	1,24	299	145
5	1,55	178	87	5	1,55	191	93

Everything 2x14°

	LED		luminaire	
Power	14 W	14 W	14 W	14 W
Flux	1120 lm	1200 lm	793 lm	848 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (min.)			
Color tolerance	MacAdam 3SDCM			
Service life	L70(6K) > 36000h			
Beam			2x14°	2x14°
Efficiency			71%	71%
Efficacy	80 lm/W	86 lm/W	56 lm/W	61 lm/W

14 W



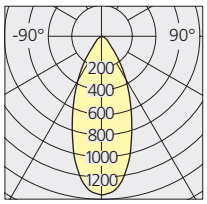
cd/klm

3000 K α=2x14°				4000 K α=2x14°			
H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
1	0,49	2431	1116	1	0,49	2600	1194
2	0,98	608	279	2	0,98	650	298
3	1,46	270	124	3	1,46	289	133
4	1,95	152	70	4	1,95	162	75
5	2,44	97	45	5	2,44	104	48

Everything 2x22°

	LED		luminaire	
Power	14 W	14 W	14 W	14 W
Flux	1120 lm	1200 lm	750 lm	802 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (min.)			
Color tolerance	MacAdam 3SDCM			
Service life	L70(6K) > 36000h			
Beam			2x22°	2x22°
Efficiency			67%	67%
Efficacy	80 lm/W	86 lm/W	54 lm/W	57 lm/W

14 W



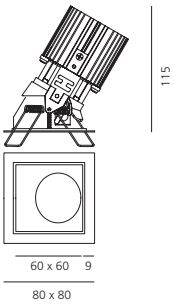
cd/klm

3000 K α=2x22°				4000 K α=2x22°			
H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
1	0,79	1025	414	1	0,79	1096	443
2	1,58	256	104	2	1,58	274	111
3	2,36	114	46	3	2,36	122	49
4	3,15	64	26	4	3,15	69	28
5	3,94	41	17	5	3,94	44	18

IP20
850°

67 x 67 mm

30°



Power supply units

	Code
Independent LED power supply Not dimmable. Output power: 19 W. Supply voltage: 220-240 V. Output current: 350 mA. SELV. IP20. Insulation class II. Dimensions: 125 x 38 x 23 mm. 0,08 kg. For powering a single unit. Please contact the retailer if you require different configurations.	M074600
Independent LED power supply DALI dimmable. Output power: 16,8W. Supply voltage: 220-240 V. Output current: 350 mA. SELV. IP20. Insulation class II. Dimensions: 156 x 52 x 26 mm. 0,05kg. For powering a single unit. Please contact the retailer if you require different configurations.	M074700

Everything M Standard square trimless

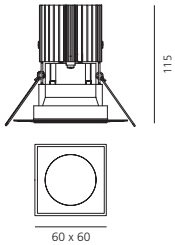
White ○ Black ● Polished metal ◑

LED						Fixed	Adjustable
W LED	Weight	Beam	Flux	CCT	Deflector	Code	Code
14 W	0,24 kg	2x9°	801 lm	3000 K	○	M254600	M254605
					●	M255200	M255205
					◑	M274200	M274205
			858 lm	4000 K	○	M254700	M254705
					●	M255300	M255305
					◑	M274300	M274305
		2x14°	793 lm	3000 K	○	M254800	M254805
					●	M255400	M255405
					◑	M274400	M274405
			848 lm	4000 K	○	M254900	M254905
					●	M255500	M255505
					◑	M274500	M274505
		2x22°	750 lm	3000 K	○	M255000	M255005
					●	M255600	M255605
					◑	M274600	M274605
			802 lm	4000 K	○	M255100	M255105
					●	M255700	M255705
					◑	M274700	M274705

Independent power supply, to be ordered separately.

▼ **IP**20 / ▲ **IP**44 ⊕
850°

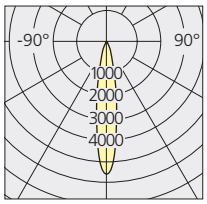
67 x 67 mm



Everything 2x9°

	LED		luminaire	
Power	14 W	14 W	14 W	14 W
Flux	1120 lm	1200 lm	801 lm	858 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (min.)			
Color tolerance	MacAdam 3SDCM			
Service life	L70(6K) > 36000h			
Beam			2x9°	2x9°
Efficiency			72%	72%
Efficacy	80 lm/W	86 lm/W	57 lm/W	61 lm/W

14 W

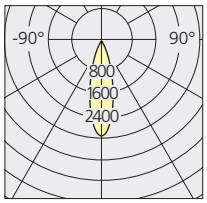


3000 K α=2x9°				4000 K α=2x9°			
H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
1	0,31	4460	2168	1	0,31	4777	2322
2	0,62	1115	542	2	0,62	1194	581
3	0,93	496	241	3	0,93	531	258
4	1,24	279	136	4	1,24	299	145
5	1,55	178	87	5	1,55	191	93

Everything 2x14°

	LED		luminaire	
Power	14 W	14 W	14 W	14 W
Flux	1120 lm	1200 lm	793 lm	848 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (min.)			
Color tolerance	MacAdam 3SDCM			
Service life	L70(6K) > 36000h			
Beam			2x14°	2x14°
Efficiency			71%	71%
Efficacy	80 lm/W	86 lm/W	56 lm/W	61 lm/W

14 W



3000 K α=2x14°				4000 K α=2x14°			
H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
1	0,49	2431	1116	1	0,49	2600	1194
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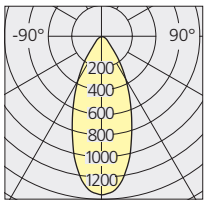
3	1,46	270	124	3	1,46	289	133
4	1,95	152	70	4	1,95	162	75
5	2,44	97	45	5	2,44	104	48

Everything 2x22°

	LED		luminaire	
Power	14 W	14 W	14 W	14 W
Flux	1120 lm	1200 lm	750 lm	802 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (min.)			
Color tolerance	MacAdam 3SDCM			
Service life	L70(6K) > 36000h			
Beam			2x22°	2x22°
Efficiency			67%	67%
Efficacy	80 lm/W	86 lm/W	54 lm/W	57 lm/W

14 W

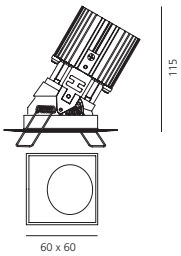


3000 K α=2x22°				4000 K α=2x22°			
H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
1	0,79	1025	414	1	0,79	1096	443
2	1,58	256	104	2	1,58	274	111
3	2,36	114	46	3	2,36	122	49
4	3,15	64	26	4	3,15	69	28
5	3,94	41	17	5	3,94	44	18

IP20
850°

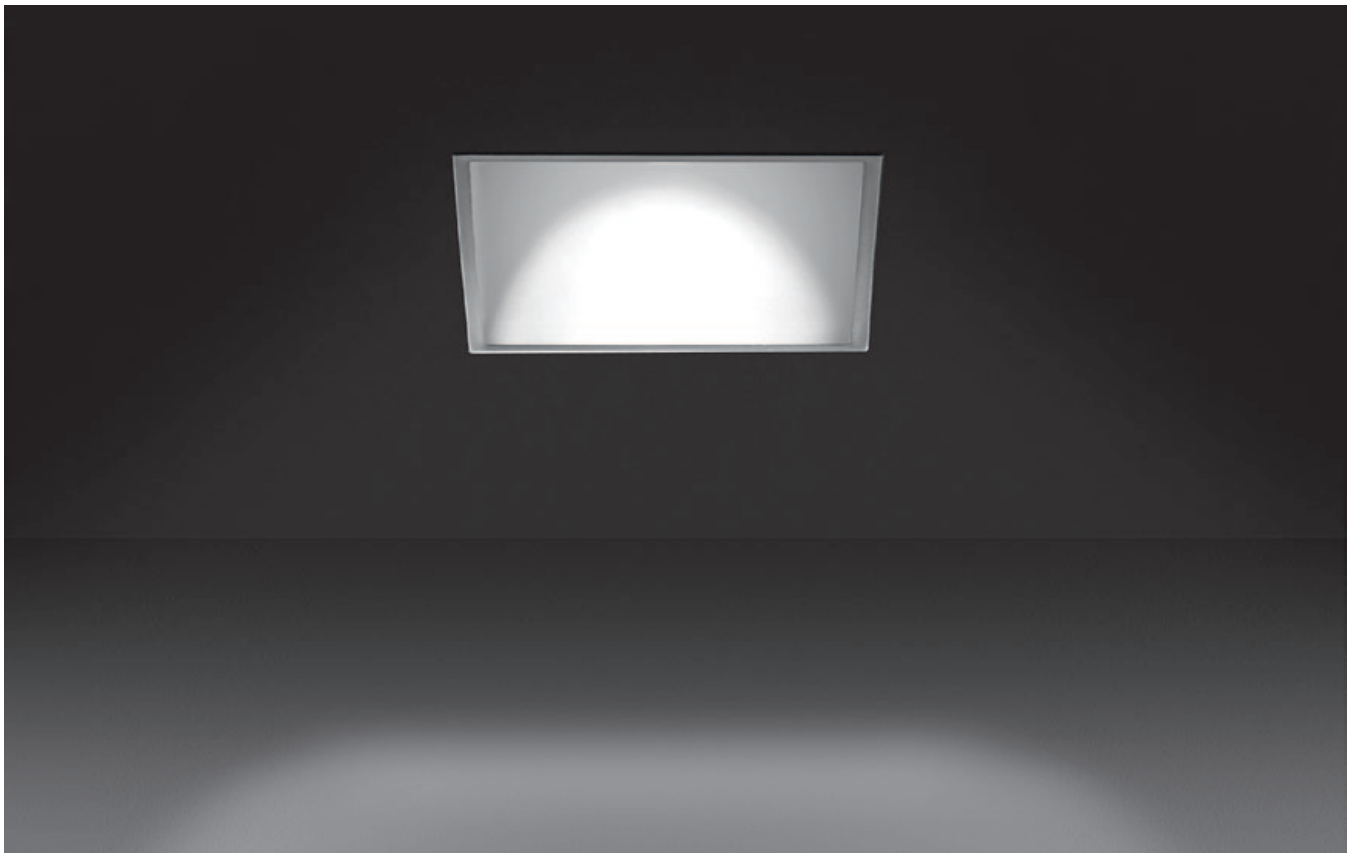
67 x 67 mm

30°



Power supply units

		Code
	Independent LED power supply Not dimmable. Output power: 19 W. Supply voltage: 220-240 V. Output current: 350 mA. SELV. IP20. Insulation class II. Dimensions: 125 x 38 x 23 mm. 0,08 kg. For powering a single unit. Please contact the retailer if you require different configurations.	M074600
	Independent LED power supply DALI dimmable. Output power: 16,8W. Supply voltage: 220-240 V. Output current: 350 mA. SELV. IP20. Insulation class II. Dimensions: 156 x 52 x 26 mm. 0,05kg. For powering a single unit. Please contact the retailer if you require different configurations.	M074700



Everything M Pro round trim

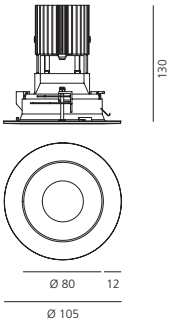
White ○ Black ● Silver ● Polished metal ◑

LED							Fixed	Adjustable
W LED	Weight	Beam	Flux	CCT	Trim	Deflector	Code	Code
14 W	0,30 kg	2x9°	801 lm	3000 K	○	●	M255820	M255825
					●	●	M255860	M255865
					○	◑	M256420	M256425
					●	◑	M256460	M256465
			858 lm	4000 K	○	●	M255920	M255925
					●	●	M255960	M255965
					○	◑	M256520	M256525
					●	◑	M256560	M256565
		2x14°	793 lm	3000 K	○	●	M256020	M256025
					●	●	M256060	M256065
					○	◑	M256620	M256625
					●	◑	M256660	M256665
			848 lm	4000 K	○	●	M256120	M256125
					●	●	M256160	M256165
					○	◑	M256720	M256725
					●	◑	M256760	M256765
		2x22°	750 lm	3000 K	○	●	M256220	M256225
					●	●	M256260	M256265
					○	◑	M256820	M256825
					●	◑	M256860	M256865
			802 lm	4000 K	○	●	M256320	M256325
					●	●	M256360	M256365
					○	◑	M256920	M256925
					●	◑	M256960	M256965

Independent power supply, to be ordered separately.

IP20 / IP44
850°

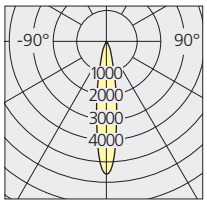
ø 92 mm



Everything 2x9°

	LED		luminaire	
Power	14 W	14 W	14 W	14 W
Flux	1120 lm	1200 lm	801 lm	858 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (min.)			
Color tolerance	MacAdam 3SDCM			
Service life	L70(6K) > 36000h			
Beam			2x9°	2x9°
Efficiency			72%	72%
Efficacy	80 lm/W	86 lm/W	57 lm/W	61 lm/W

14 W

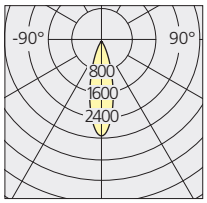


3000 K α=2x9°				4000 K α=2x9°			
H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
1	0,31	4460	2168	1	0,31	4777	2322
2	0,62	1115	542	2	0,62	1194	581
3	0,93	496	241	3	0,93	531	258
4	1,24	279	136	4	1,24	299	145
5	1,55	178	87	5	1,55	191	93

Everything 2x14°

	LED		luminaire	
Power	14 W	14 W	14 W	14 W
Flux	1120 lm	1200 lm	793 lm	848 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (min.)			
Color tolerance	MacAdam 3SDCM			
Service life	L70(6K) > 36000h			
Beam			2x14°	2x14°
Efficiency			71%	71%
Efficacy	80 lm/W	86 lm/W	56 lm/W	61 lm/W

14 W

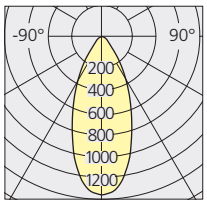


3000 K α=2x14°				4000 K α=2x14°			
H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
1	0,49	2431	1116	1	0,49	2600	1194
2	0,98	608	279	2	0,98	650	298
3	1,46	270	124	3	1,46	289	133
4	1,95	152	70	4	1,95	162	75
5	2,44	97	45	5	2,44	104	48

Everything 2x22°

	LED		luminaire	
Power	14 W	14 W	14 W	14 W
Flux	1120 lm	1200 lm	750 lm	802 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (min.)			
Color tolerance	MacAdam 3SDCM			
Service life	L70(6K) > 36000h			
Beam			2x22°	2x22°
Efficiency			67%	67%
Efficacy	80 lm/W	86 lm/W	54 lm/W	57 lm/W

14 W



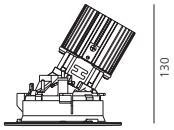
3000 K α=2x22°				4000 K α=2x22°			
H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
1	0,79	1025	414	1	0,79	1096	443
2	1,58	256	104	2	1,58	274	111
3	2,36	114	46	3	2,36	122	49
4	3,15	64	26	4	3,15	69	28
5	3,94	41	17	5	3,94	44	18

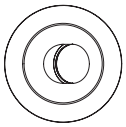
IP20
850°

ø 92 mm

30°

360°





Ø 80 12

Ø 105

Power supply units

	Code
Independent LED power supply Not dimmable. Output power: 19 W. Supply voltage: 220-240 V. Output current: 350 mA. SELV. IP20. Insulation class II. Dimensions: 125 x 38 x 23 mm. 0,08 kg. For powering a single unit. Please contact the retailer if you require different configurations.	M074600
Independent LED power supply DALI dimmable. Output power: 16,8W. Supply voltage: 220-240 V. Output current: 350 mA. SELV. IP20. Insulation class II. Dimensions: 156 x 52 x 26 mm. 0,05kg. For powering a single unit. Please contact the retailer if you require different configurations.	M074700

Everything M Pro square trim

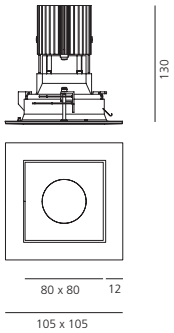
White ○ Black ● Silver ● Polished metal ◑

LED							Fixed	Adjustable
W LED	Weight	Beam	Flux	CCT	Trim	Deflector	Code	Code
14 W	0,30 kg	2x9°	801 lm	3000 K	○	●	M258220	M258225
					●	●	M258260	M258265
					○	◑	M258820	M258825
					●	◑	M258860	M258865
			858 lm	4000 K	○	●	M258320	M258325
					●	●	M258360	M258365
					○	◑	M258920	M258925
					●	◑	M258960	M258965
		2x14°	793 lm	3000 K	○	●	M258420	M258425
					●	●	M258460	M258465
					○	◑	M259020	M259025
					●	◑	M259060	M259065
			848 lm	4000 K	○	●	M258520	M258525
					●	●	M258560	M258565
					○	◑	M259120	M259125
					●	◑	M259160	M259165
		2x22°	750 lm	3000 K	○	●	M258620	M258625
					●	●	M258660	M258665
					○	◑	M259220	M259225
					●	◑	M259260	M259265
			802 lm	4000 K	○	●	M258720	M258725
					●	●	M258760	M258765
					○	◑	M259320	M259325
					●	◑	M259360	M259365

Independent power supply, to be ordered separately.

▼ **IP**20 / ▲ **IP**44 ⊕
850°

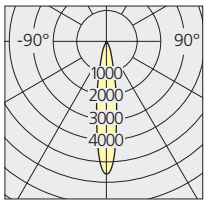
92 x 92 mm



Everything 2x9°

	LED		luminaire	
Power	14 W	14 W	14 W	14 W
Flux	1120 lm	1200 lm	801 lm	858 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (min.)			
Color tolerance	MacAdam 3SDCM			
Service life	L70(6K) > 36000h			
Beam			2x9°	2x9°
Efficiency			72%	72%
Efficacy	80 lm/W	86 lm/W	57 lm/W	61 lm/W

14 W

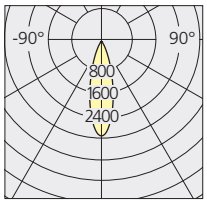


3000 K α=2x9°				4000 K α=2x9°			
H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
1	0,31	4460	2168	1	0,31	4777	2322
2	0,62	1115	542	2	0,62	1194	581
3	0,93	496	241	3	0,93	531	258
4	1,24	279	136	4	1,24	299	145
5	1,55	178	87	5	1,55	191	93

Everything 2x14°

	LED		luminaire	
Power	14 W	14 W	14 W	14 W
Flux	1120 lm	1200 lm	793 lm	848 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (min.)			
Color tolerance	MacAdam 3SDCM			
Service life	L70(6K) > 36000h			
Beam			2x14°	2x14°
Efficiency			71%	71%
Efficacy	80 lm/W	86 lm/W	56 lm/W	61 lm/W

14 W

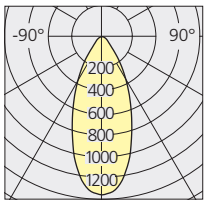


3000 K α=2x14°				4000 K α=2x14°			
H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
1	0,49	2431	1116	1	0,49	2600	1194
2	0,98	608	279	2	0,98	650	298
3	1,46	270	124	3	1,46	289	133
4	1,95	152	70	4	1,95	162	75
5	2,44	97	45	5	2,44	104	48

Everything 2x22°

	LED		luminaire	
Power	14 W	14 W	14 W	14 W
Flux	1120 lm	1200 lm	750 lm	802 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (min.)			
Color tolerance	MacAdam 3SDCM			
Service life	L70(6K) > 36000h			
Beam			2x22°	2x22°
Efficiency			67%	67%
Efficacy	80 lm/W	86 lm/W	54 lm/W	57 lm/W

14 W



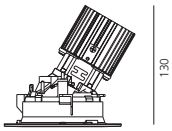
3000 K α=2x22°				4000 K α=2x22°			
H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
1	0,79	1025	414	1	0,79	1096	443
2	1,58	256	104	2	1,58	274	111
3	2,36	114	46	3	2,36	122	49
4	3,15	64	26	4	3,15	69	28
5	3,94	41	17	5	3,94	44	18

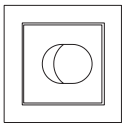
IP20
850°

92 x 92 mm

30°

4x90°





Power supply units

	Code
Independent LED power supply Not dimmable. Output power: 19 W. Supply voltage: 220-240 V. Output current: 350 mA. SELV. IP20. Insulation class II. Dimensions: 125 x 38 x 23 mm. 0,08 kg. For powering a single unit. Please contact the retailer if you require different configurations.	M074600
Independent LED power supply DALI dimmable. Output power: 16,8W. Supply voltage: 220-240 V. Output current: 350 mA. SELV. IP20. Insulation class II. Dimensions: 156 x 52 x 26 mm. 0,05kg. For powering a single unit. Please contact the retailer if you require different configurations.	M074700

Everything M Pro round/squaretrimless

Black ● Polished metal ◑

LED - Round optical unit: trimless

W LED	weight	beam	flux	CCT	Deflector	Fixed Code	Adjustable Code
14 W	0,30 kg	2x9°	801 lm	3000 K	●	M257000	M257005
					◐	M257600	M257605
			858 lm	4000 K	●	M257100	M257105
					◐	M257700	M257705
		2x14°	793 lm	3000 K	●	M257200	M257205
					◐	M257800	M257805
			848 lm	4000 K	●	M257300	M257305
					◐	M257900	M257905
		2x22°	750 lm	3000 K	●	M257400	M257405
					◐	M258000	M258005
			802 lm	4000 K	●	M257500	M257505
					◐	M258100	M258105

Independent power supply, to be ordered separately.
Fitting to be completed with installation frame
for recessing into ceiling.

LED - Square optical unit: trimless

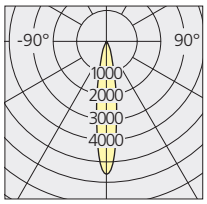
W LED	weight	beam	flux	CCT	Deflector	Fixed Code	Adjustable Code
14 W	0,30 kg	2x9°	801 lm	3000 K	●	M259400	M259405
					◐	M260000	M260005
			858 lm	4000 K	●	M259500	M259505
					◐	M260100	M260105
		2x14°	793 lm	3000 K	●	M259600	M259605
					◐	M260200	M260205
			848 lm	4000 K	●	M259700	M259705
					◐	M260300	M260305
		2x22°	750 lm	3000 K	●	M259800	M259805
					◐	M260400	M260405
			802 lm	4000 K	●	M259900	M259905
					◐	M260500	M260505

Independent power supply, to be ordered separately.
Fitting to be completed with installation frame
for recessing into ceiling.

Everything 2x9°

	LED		luminaire	
Power	14 W	14 W	14 W	14 W
Flux	1120 lm	1200 lm	801 lm	858 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (min.)			
Color tolerance	MacAdam 3SDCM			
Service life	L70(6K) > 36000h			
Beam			2x9°	2x9°
Efficiency			72%	72%
Efficacy	80 lm/W	86 lm/W	57 lm/W	61 lm/W

14 W



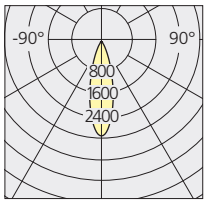
cd/klm

3000 K α=2x9°				4000 K α=2x9°			
H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
1	0,31	4460	2168	1	0,31	4777	2322
2	0,62	1115	542	2	0,62	1194	581
3	0,93	496	241	3	0,93	531	258
4	1,24	279	136	4	1,24	299	145
5	1,55	178	87	5	1,55	191	93

Everything 2x14°

	LED		luminaire	
Power	14 W	14 W	14 W	14 W
Flux	1120 lm	1200 lm	793 lm	848 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (min.)			
Color tolerance	MacAdam 3SDCM			
Service life	L70(6K) > 36000h			
Beam			2x14°	2x14°
Efficiency			71%	71%
Efficacy	80 lm/W	86 lm/W	56 lm/W	61 lm/W

14 W



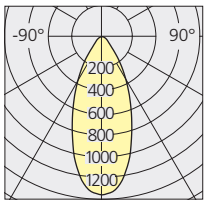
cd/klm

3000 K α=2x14°				4000 K α=2x14°			
H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
1	0,49	2431	1116	1	0,49	2600	1194
2	0,98	608	279	2	0,98	650	298
3	1,46	270	124	3	1,46	289	133
4	1,95	152	70	4	1,95	162	75
5	2,44	97	45	5	2,44	104	48

Everything 2x22°

	LED		luminaire	
Power	14 W	14 W	14 W	14 W
Flux	1120 lm	1200 lm	750 lm	802 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (min.)			
Color tolerance	MacAdam 3SDCM			
Service life	L70(6K) > 36000h			
Beam			2x22°	2x22°
Efficiency			67%	67%
Efficacy	80 lm/W	86 lm/W	54 lm/W	57 lm/W

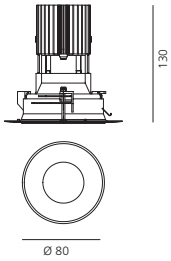
14 W



cd/klm

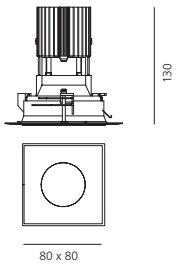
3000 K α=2x22°				4000 K α=2x22°			
H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
1	0,79	1025	414	1	0,79	1096	443
2	1,58	256	104	2	1,58	274	111
3	2,36	114	46	3	2,36	122	49
4	3,15	64	26	4	3,15	69	28
5	3,94	41	17	5	3,94	44	18

Fixed Optical unit



▼ **IP**20 / ▲ **IP**44
850°

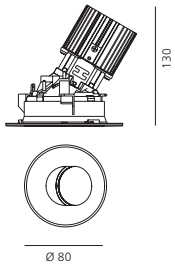
ø 90 mm



▼ **IP**20 / ▲ **IP**44
850°

92 x 92 mm

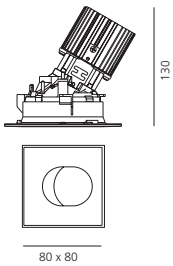
Adjustable Optical unit



30°
360°

IP20
850°

ø 90 mm

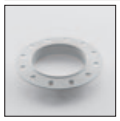
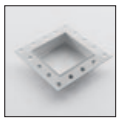


30°
4x90°

▼ **IP**20
850°

92 x 92 mm

Frame

		Code
	Round frame for recessed installation	M273400
	Square frame for recessed installation	M273500

Power supply units

		Code
	Independent LED power supply Not dimmable. Output power: 19 W. Supply voltage: 220-240 V. Output current: 350 mA. SELV. IP20. Insulation class II. Dimensions: 125 x 38 x 23 mm. 0,08 kg. For powering a single unit. Please contact the retailer if you require different configurations.	M074600
	Independent LED power supply DALI dimmable. Output power: 16,8W. Supply voltage: 220-240 V. Output current: 350 mA. SELV. IP20. Insulation class II. Dimensions: 156 x 52 x 26 mm. 0,05kg. For powering a single unit. Please contact the retailer if you require different configurations.	M074700

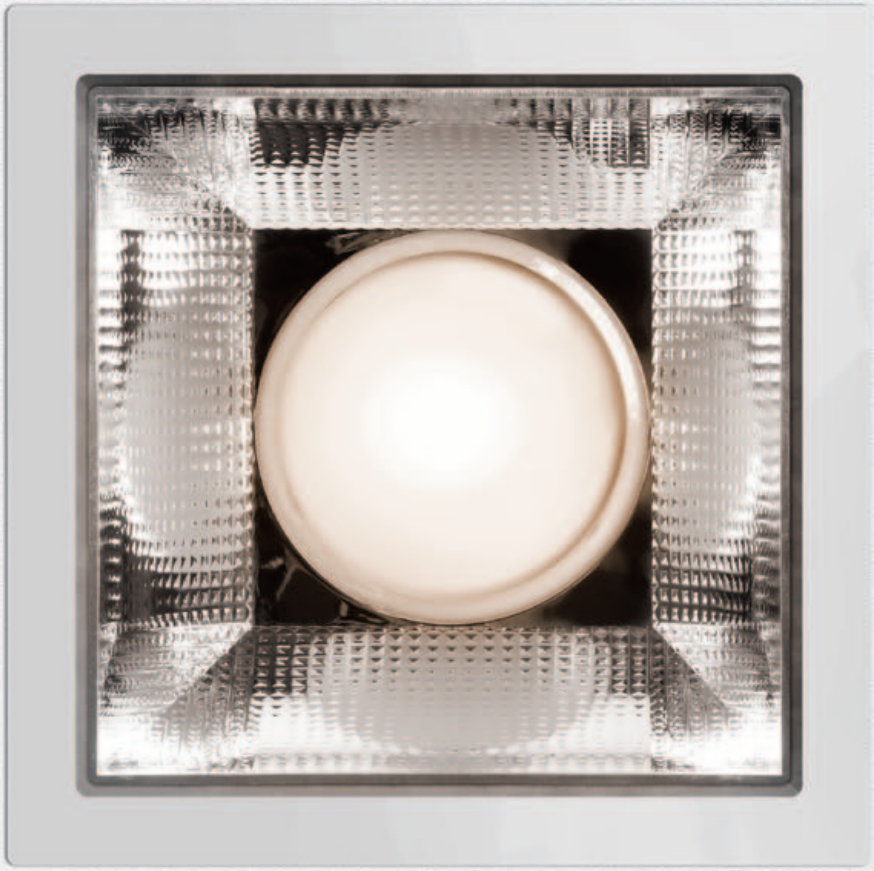
Luceri

Studio Artemide

2011 (Luceri LED)
2013 (Luceri Kadro LED)

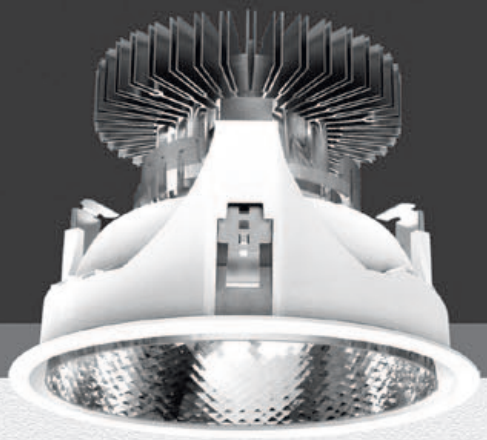
Luceri LED

Luceri Kadro LED



Luceri LED and Kadro LED offer a modular range of professional downlighters, highly flexible, providing customisable lighting solutions for every need. Thanks to TrueWhite technology, colour temperature and colour rendering index are maintained constant throughout the lifespan of this product, guaranteeing a consistent light quality. The emission of versions with metal reflector is compliant with EN12464 and has UGR<19, producing an effective and comfortable lighting solution.

Luceri LED



Luceri LED trim

White frame

Gray frame

- Recessed round fixed downlighters using high-output LEDs.
- Two versions: trim (with bezel) and Trimless (recessed ceiling mounted without bezel)
- Available in warm white (3000K) and neutral white (4000K)
- Available in 2 versions, each with 2 levels of power:

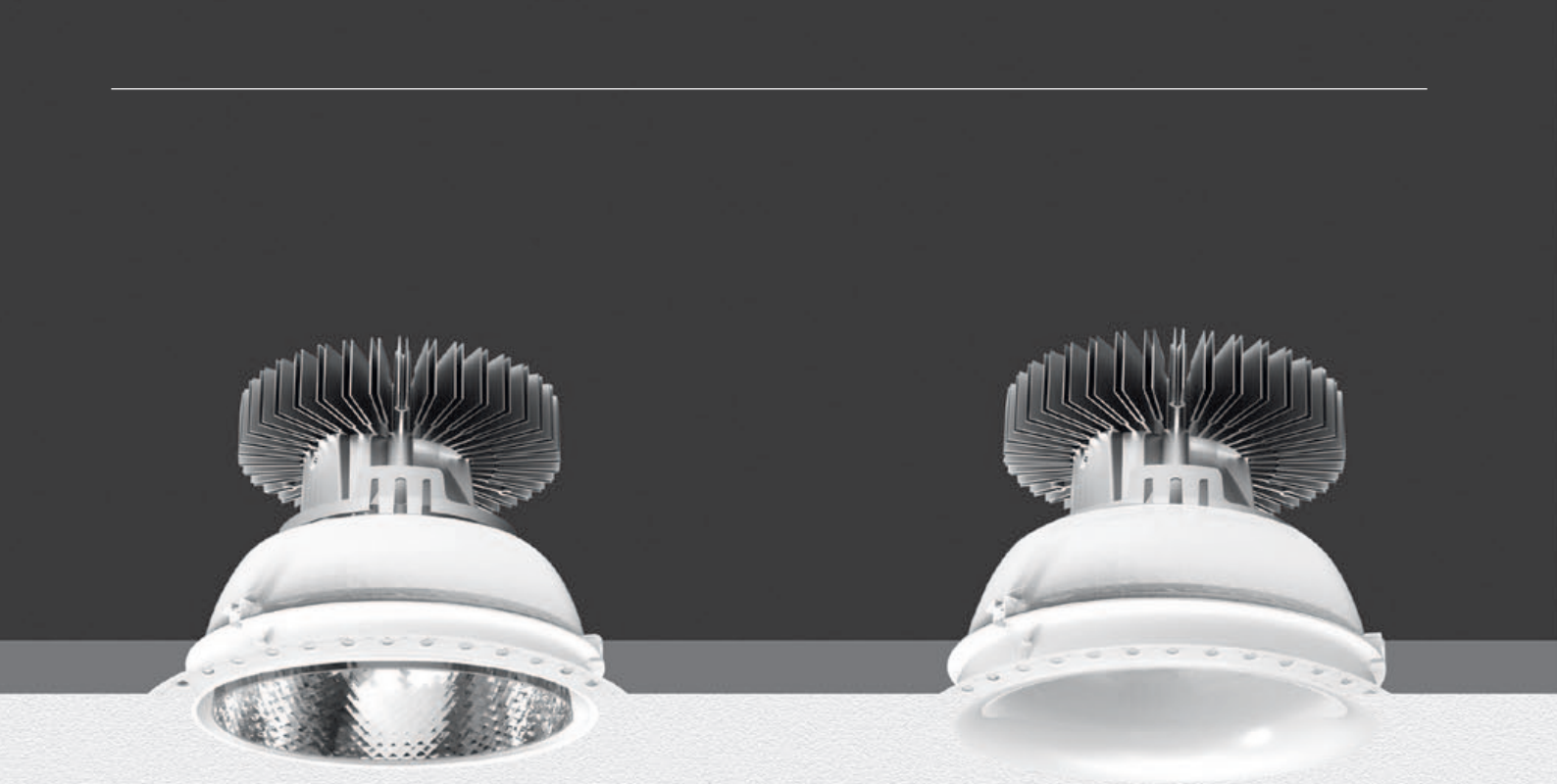
  Standard version non dimmable, CRI=90 (min)

  High-performance version with net efficiency up to 94lm/W, DALI dimmable, CRI=90 (min), with Cree True White (R) technology. Colour temperature and colour rendering index constant throughout the product lifespan.

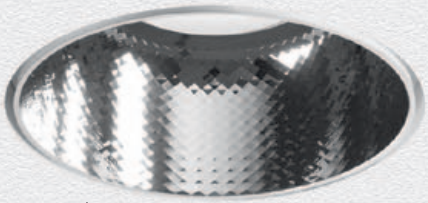
- Standard version IP40.
- Materials: bezel, white reflector and screens in polycarbonate, reflectors in vacuum-metalled polycarbonate with anti-scratch surface treatment.
- IP54 with the addition of an optional screen.
- Compliant to standard EN60598-1, EN62471 and other specific standards.

Luceri LED trim

- Complete with optic housing and trim.
- Trim available in white or grey.
- Professional mirror optic with UGR Luminance Control <19 for office spaces with computer screens.
- Installation brackets for an easy, tool-free installation on false ceilings of thickness between 1 and 25 mm.
- Optional screens in transparent polycarbonate, opal and prismoptic diffuser, easy to install with a 90 degree turn.
- Integral power supply.
- Wide beam symmetrical distribution.



Luceri LED trimless



Sharp edge trim

Rounded edge trim

Luceri LED trimless

2 available trims:

- Sharp edge
- Rounded edge

2 available optic housing:

- Professional mirror optic with UGR Luminance Control <19 for office spaces with computer screens.
- Comfort white optics
- Optics housings and trim to be ordered separately.
- Optional screens in transparent polycarbonate, opal and prismoptic diffuser, easy to install with a 90 degree turn.
- Integral power supply
- Wide beam symmetrical distribution.

above

Luceri LED trimless Rounded edge trim
Banca di Caraglio - Credito Cooperativo
Caraglio (CN) - Italy
Arch: Studio Kuadra
Photo: Federico Villa

right

Centro servizi dello Studentato
Universitario di Trento.
Trento (TN) - Italy
Arch: Studio Palerm & Tabares
de Nava s.L. architects
Photo: Federico Villa

Luceri LED trimless Rounded edge trim

LED comfort white optics — not dimmable

W	Weight	Beam	Flux	CCT	Code
26 W	1,70 kg	2x33°	1974 lm	3000 K	M242400
			2112 lm	4000 K	M242500
29 W	1,70 kg	2x33°	2418 lm	3000 K	M242600
			2587 lm	4000 K	M242700

Lighting unit. To be completed with rounded edge trim support.

LED High-Performance comfort white optics — Dali dimmable

W	Weight	Beam	Flux	CCT	Code
19 W	1,70 kg	2x33°	1711 lm	3000 K	M242401
				4000 K	M242501
26 W	1,70 kg	2x33°	2258 lm	3000 K	M242601
				4000 K	M242701

Lighting unit. To be completed with rounded edge trim support.

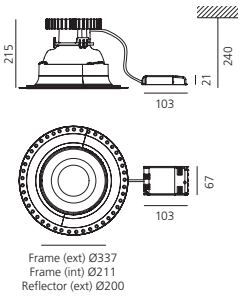
support with rounded edge trim — M240600

▼ **IP**20 / ▲ **IP**44 screenless.

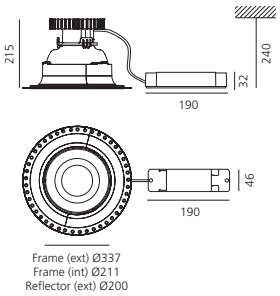
▼ **IP**20 / ▲ **IP**54 with screen.

⌀292

19 W / 26 W



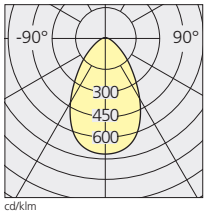
29 W



Luceri LED

	LED		luminaire	
Power	22 W	22 W	26 W	26 W
Flux	2437 lm	2608 lm	1974 lm	2112 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (min.)			
Color tolerance	MacAdam 3SDCM			
Service life	L70(6K) > 36000h			
Beam			2x33°	2x33°
Efficiency			81%	81%
Efficacy	111 lm/W	118 lm/W	76 lm/W	81 lm/W

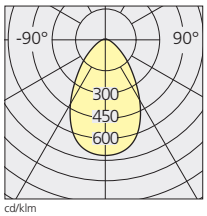
26 W



	3000 K α=2x33°				4000 K α=2x33°			
	H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
1	1,31		1404	411	1	1,31	1502	439
2	2,63		351	103	2	2,63	376	110
3	3,94		156	46	3	3,94	167	49
4	5,26		88	26	4	5,26	94	27
5	6,57		56	16	5	6,57	60	18

	LED		luminaire	
Power	25W	25W	29 W	29 W
Flux	3022 lm	3233 lm	2418 lm	2587 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (min.)			
Color tolerance	MacAdam 3SDCM			
Service life	L70(6K) > 36000h			
Beam			2x33°	2x33°
Efficiency			80%	80%
Efficacy	121 lm/W	129 lm/W	83 lm/W	89 lm/W

29 W

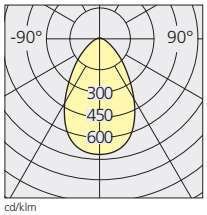


	3000 K α=2x33°				4000 K α=2x33°			
	H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
1	1,31		1720	503	1	1,31	1840	538
2	2,63		430	126	2	2,63	460	135
3	3,94		191	56	3	3,94	204	60
4	5,26		108	31	4	5,26	115	34
5	6,57		69	20	5	6,57	74	22

Luceri LED High-Performance

	LED	luminaire
Power	16 W	19 W
Flux	2119 lm	1711 lm
CCT	3000 K-4000 K	3000 K-4000 K
CRI	=90 (min.)	
Color tolerance	MacAdam 2SDCM	
Service life	L70(6K) > 36000h	
Beam		2x33°
Efficiency		81%
Efficacy	132 lm/W	90 lm/W

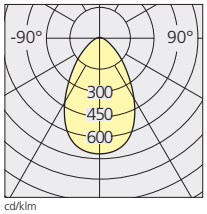
19 W



	3000 K-4000 K α=2x33°			
	H m	Ø m	EMax lux	EM lux
1	1,31		1217	356
2	2,63		304	89
3	3,94		135	40
4	5,26		76	22
5	6,57		49	14

	LED	luminaire
Power	22 W	26 W
Flux	2839 lm	2258 lm
CCT	3000 K-4000 K	3000 K-4000 K
CRI	=90 (min.)	
Color tolerance	MacAdam 2SDCM	
Service life	L70(6K) > 36000h	
Beam		2x33°
Efficiency		80%
Efficacy	129 lm/W	87 lm/W

26 W

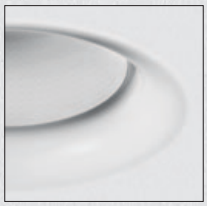


	3000 K-4000 K α=2x33°			
	H m	Ø m	EMax lux	EM lux
1	1,31		1606	470
2	2,63		402	117
3	3,94		178	52
4	5,26		100	29
5	6,57		64	19

Accessories

		Code
	Transparent screen in polycarbonate	M239200
	Opal screen in PMMA	M239700
	Prismoptic screen in polycarbonate	M239600

With screen



Screenless

Luceri LED trimless Sharp edge trim

LED faceted mirror optics — not dimmable

W	Weight	Beam	Flux	CCT	Code
26 W	1,60 kg	2x35°	1979 lm	3000 K	M242000
			2119 lm	4000 K	M242100
29 W	1,60 kg	2x35°	2507 lm	3000 K	M242200
			2682 lm	4000 K	M242300

Lighting unit. To be completed with sharp edge trim support.

LED High-Performance faceted mirror optics — Dali dimmable

W	Weight	Beam	Flux	CCT	Code
19 W	1,60 kg	2x35°	1790 lm	3000 K	M242001
				4000 K	M242101
26 W	1,60 kg	2x35°	2336 lm	3000 K	M242201
				4000 K	M242301

Lighting unit. To be completed with sharp edge trim support.

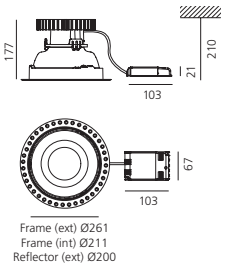
supporto con Sharp edge trim — M240500

▼ **IP**20 / ▲ **IP**44 screenless.

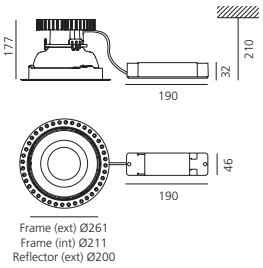
▼ **IP**20 / ▲ **IP**54 with screen.

⌀216

19 W / 26 W



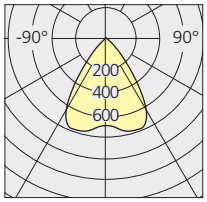
29 W



Luceri LED

	LED		luminaire	
Power	22 W	22 W	26 W	26 W
Flux	2437 lm	2608 lm	1979 lm	2119 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (min.)			
Color tolerance	MacAdam 3SDCM			
Service life	L70(6K) > 36000h			
Beam			2x35°	2x35°
Efficiency			81%	81%
Efficacy	111 lm/W	118 lm/W	76 lm/W	81 lm/W

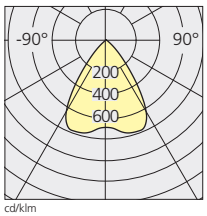
26 W



	3000 K			α=2x35°	4000 K			α=2x35°
	H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
1	1,42		1460	427	1,42		1563	457
2	2,84		365	107	2,84		391	114
3	4,26		162	47	4,26		174	51
4	5,69		91	27	5,69		98	29
5	7,11		58	17	7,11		63	18

	LED		luminaire	
Power	25W	25W	29 W	29 W
Flux	3022 lm	3233 lm	2507 lm	2682 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (min.)			
Color tolerance	MacAdam 3SDCM			
Service life	L70(6K) > 36000h			
Beam			2x35°	2x35°
Efficiency			83%	83%
Efficacy	121 lm/W	129 lm/W	86 lm/W	92 lm/W

29 W

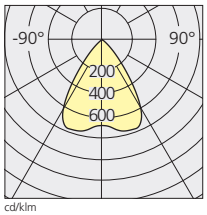


	3000 K			α=2x35°	4000 K			α=2x35°
	H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
1	1,42		1815	534	1,42		1942	572
2	2,84		454	134	2,84		485	143
3	4,26		202	59	4,26		216	64
4	5,69		113	33	5,69		121	36
5	7,11		73	21	7,11		78	23

Luceri LED High-Performance

	LED	luminaire
Power	16 W	19 W
Flux	2119 lm	1790 lm
CCT	3000 K-4000 K	3000 K-4000 K
CRI	=90 (min.)	
Color tolerance	MacAdam 2SDCM	
Service life	L70(6K) > 36000h	
Beam		2x35°
Efficiency		84%
Efficacy	132 lm/W	94 lm/W

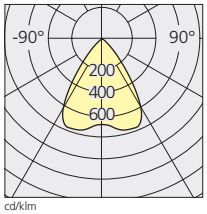
19 W



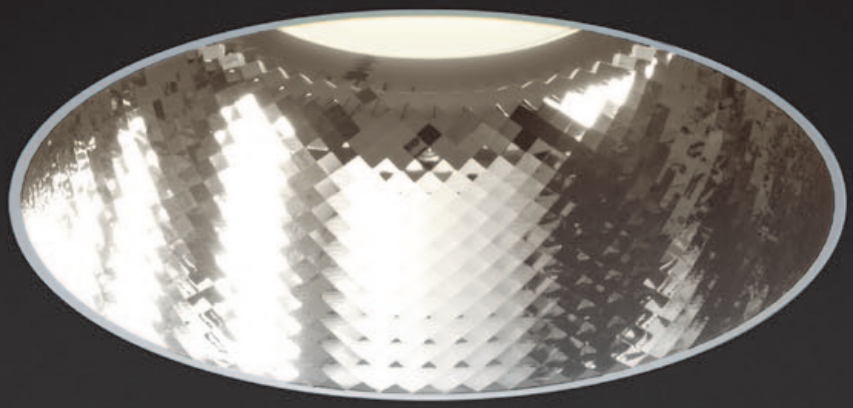
	3000 K-4000 K α=2x35°			
	H m	Ø m	EMax lux	EM lux
1	1,43		1278	384
2	2,85		319	96
3	4,28		142	43
4	5,71		80	24
5	7,13		51	15

	LED	luminaire
Power	22 W	26 W
Flux	2839 lm	2336 lm
CCT	3000 K-4000 K	3000 K-4000 K
CRI	=90 (min.)	
Color tolerance	MacAdam 2SDCM	
Service life	L70(6K) > 36000h	
Beam		2x35°
Efficiency		82%
Efficacy	129 lm/W	90 lm/W

26 W



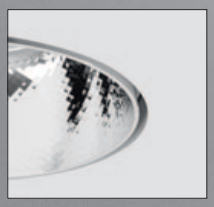
	3000 K-4000 K α=2x35°			
	H m	Ø m	EMax lux	EM lux
1	1,44		1653	492
2	2,87		413	123
3	4,31		184	55
4	5,75		103	31
5	7,19		66	20



Accessories

		Code
	Transparent screen in polycarbonate	M239200
	Opal screen in PMMA	M239700
	Prismoptic screen in polycarbonate	M239600

With screen



Screenless

Luceri LED trim

Gray ● White ○

LED faceted mirror optics — not dimmable

W	Weight	Beam	Flux	CCT	Color	Code
26 W	1,50 kg	2x35°	1979 lm	3000 K	○	M244020
					●	M244060
			2119 lm	4000 K	○	M244120
					●	M244160
29 W	1,50 kg	2x35°	2507 lm	3000 K	○	M244220
					●	M244260
			2682 lm	4000 K	○	M244320
					●	M244360

LED High-Performance faceted mirror optics — Dali dimmable

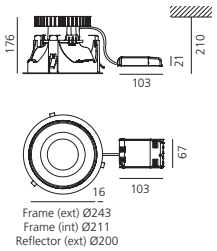
W	Weight	Beam	Flux	CCT	Color	Code
19 W	1,50 kg	2x35°	1790 lm	3000 K	○	M244021
					●	M244061
				4000 K	○	M244121
					●	M244161
26 W	1,50 kg	2x35°	2336 lm	3000 K	○	M244221
					●	M244261
				4000 K	○	M244321
					●	M244361

▼ **IP**20 / ▲ **IP**44 screenless.

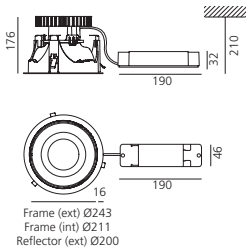
▼ **IP**20 / ▲ **IP**54 with screen.

⌀230

19 W / 26 W



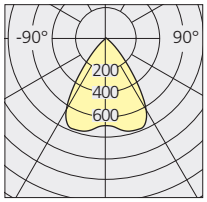
29 W



Luceri LED

	LED		luminaire	
Power	22 W	22 W	26 W	26 W
Flux	2437 lm	2608 lm	1979 lm	2119 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (min.)			
Color tolerance	MacAdam 3SDCM			
Service life	L70(6K) > 36000h			
Beam			2x35°	2x35°
Efficiency			81%	81%
Efficacy	111 lm/W	118 lm/W	76 lm/W	81 lm/W

26 W

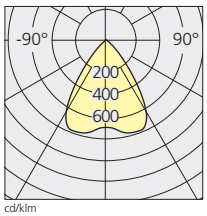


cd/klm

	3000 K			α=2x35°	4000 K			α=2x35°
	H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
1	1,42		1460	427	1,42		1563	457
2	2,84		365	107	2,84		391	114
3	4,26		162	47	4,26		174	51
4	5,69		91	27	5,69		98	29
5	7,11		58	17	7,11		63	18

	LED		luminaire	
Power	25W	25W	29 W	29 W
Flux	3022 lm	3233 lm	2507 lm	2682 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (min.)			
Color tolerance	MacAdam 3SDCM			
Service life	L70(6K) > 36000h			
Beam			2x35°	2x35°
Efficiency			83%	83%
Efficacy	121 lm/W	129 lm/W	86 lm/W	92 lm/W

29 W



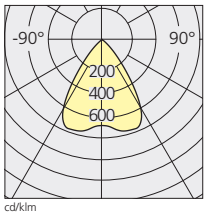
cd/klm

	3000 K			α=2x35°	4000 K			α=2x35°
	H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
1	1,42		1815	534	1,42		1942	572
2	2,84		454	134	2,84		485	143
3	4,26		202	59	4,26		216	64
4	5,69		113	33	5,69		121	36
5	7,11		73	21	7,11		78	23

Luceri LED High-Performance

	LED	luminaire
Power	16 W	19 W
Flux	2119 lm	1790 lm
CCT	3000 K-4000 K	3000 K-4000 K
CRI	=90 (min.)	
Color tolerance	MacAdam 2SDCM	
Service life	L70(6K) > 36000h	
Beam		2x35°
Efficiency		84%
Efficacy	132 lm/W	94 lm/W

19 W

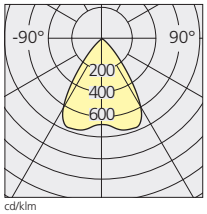


cd/klm

	3000 K-4000 K α=2x35°			
	H m	Ø m	EMax lux	EM lux
1	1,43		1278	384
2	2,85		319	96
3	4,28		142	43
4	5,71		80	24
5	7,13		51	15

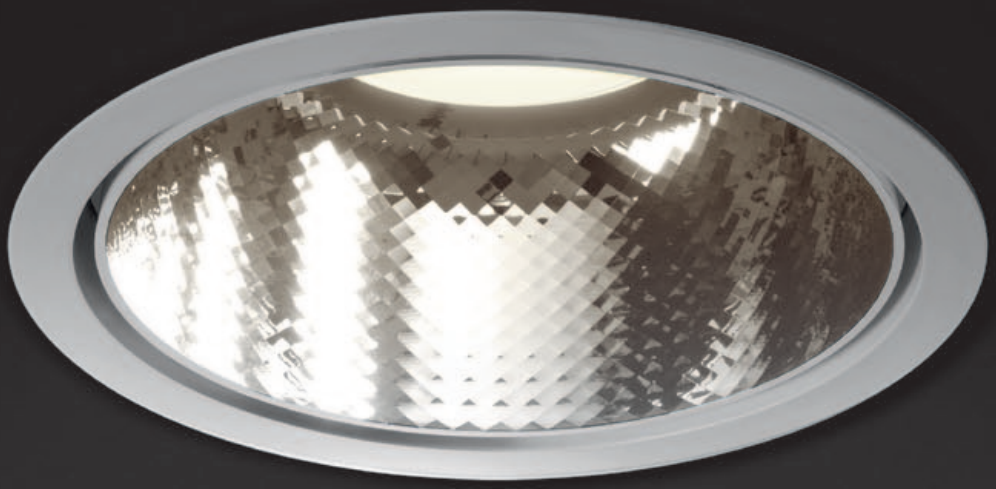
	LED	luminaire
Power	22 W	26 W
Flux	2839 lm	2336 lm
CCT	3000 K-4000 K	3000 K-4000 K
CRI	=90 (min.)	
Color tolerance	MacAdam 2SDCM	
Service life	L70(6K) > 36000h	
Beam		2x35°
Efficiency		82%
Efficacy	129 lm/W	90 lm/W

26 W



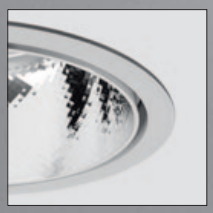
cd/klm

	3000 K-4000 K α=2x35°			
	H m	Ø m	EMax lux	EM lux
1	1,44		1653	492
2	2,87		413	123
3	4,31		184	55
4	5,75		103	31
5	7,19		66	20



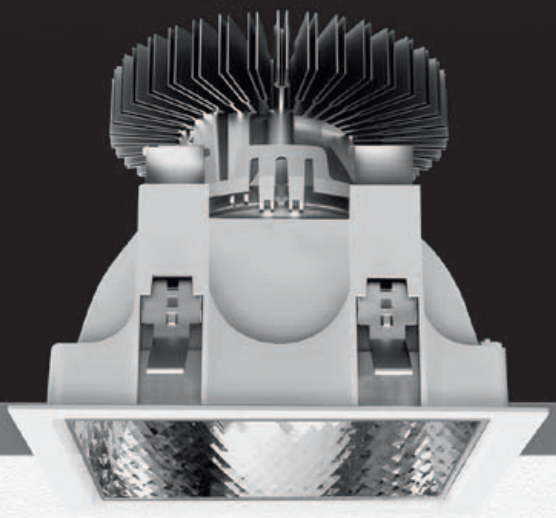
Accessories	Code
Transparent screen in polycarbonate	M239200
Opal screen in PMMA	M239700
Prismoptic screen in polycarbonate	M239600

With screen

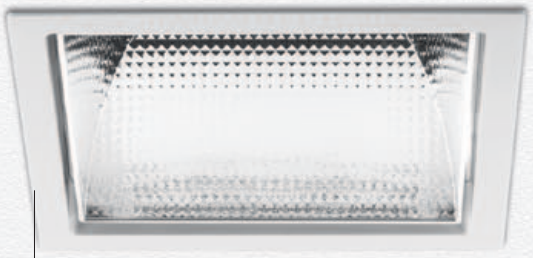


Screenless

Luceri Kadro LED



Luceri LED trim



Cornice bianca

Cornice grigia

- Recessed square fixed downlighters using high-output LEDs.
- Two versions: trim (with bezel) and Trimless (recessed ceiling mounted without bezel)
- Available in warm white (3000K) and neutral white (4000K)
- Available in 2 versions, each with 2 levels of power:

  Standard version non dimmable, CRI=90 (min)

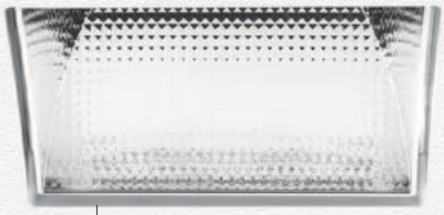
  High-performance version with net efficiency up to 94lm/W, DALI dimmable, CRI=90 (min), with Cree True White (R) technology.
  Colour temperature and colour rendering index constant throughout the product lifespan.

- Standard version IP40.
- Materials: bezel, white reflector and screens in polycarbonate, reflectors in vacuum-metalled polycarbonate with anti-scratch surface treatment.
- IP54 with the addition of an optional screen.
- Compliant to standard EN60598-1, EN62471 and other specific standards.

Luceri Kadro LED trim

- Complete with optic housings and trim.
- Trim available in white or grey.
- Professional mirror optic with UGR Luminance Control <19 for office spaces with computer screens.
- Installation brackets for an easy tool-free installation on false ceilings of thickness between 1 and 25 mm.
- Optional screens in transparent polycarbonate, opal and prismoptic diffuser, easy to install with a 90 degree turn.
- Integral power supply
- Wide beam symmetrical distribution.

Luceri LED trimless



Sharp edge trim

Rounded edge trim

Luceri Kadro LED trimless

2 available trims:

- Sharp edge
- Rounded edge

2 available optic housings:

- Professional mirror optic with UGR Luminance Control <19 for office spaces with computer screens.
- Comfort white optics
- Optic housings and trim to be ordered separately.
- Optional screens in transparent polycarbonate, opal and prismoptic diffuser, easy to install with a 90 degree turn.
- Integral power supply
- Wide beam symmetrical distribution.

Luceri Kadro LED trimless Rounded edge trim

LED comfort white optics — not dimmable

W	weight	Beam	Flux	CCT	Code
26 W	1,70 kg	2x29°	1950 lm	3000 K	M241400
			2087 lm	4000 K	M241500
29 W	1,70 kg	2x29°	2357 lm	3000 K	M241600
			2522 lm	4000 K	M241700

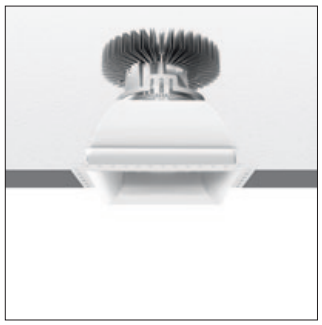
Lighting unit. To be completed with rounded edge trim support.

LED High-Performance comfort white optics — Dali dimmable

W	weight	Beam	Flux	CCT	Code
19 W	1,70 kg	2x29°	1698 lm	3000 K	M241401
				4000 K	M241501
26 W	1,70 kg	2x29°	2210 lm	3000 K	M241601
				4000 K	M241701

Lighting unit. To be completed with rounded edge trim support.

Support with rounded edge trim — M240800

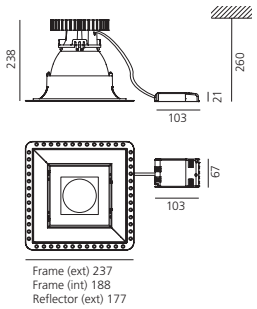


▼ **IP**20 / ▲ **IP**44 screenless.

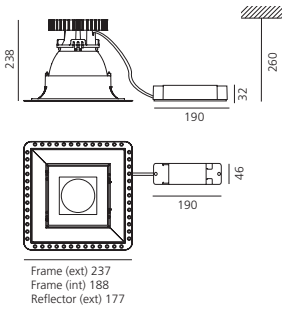
▼ **IP**20 / ▲ **IP**54 with screen.

275x275 mm

19 W / 26 W



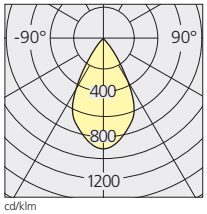
29 W



Luceri Kadro LED

	LED		luminaire	
Power	22 W	22 W	26 W	26 W
Flux	2437 lm	2608 lm	1950 lm	2087 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (min.)			
Color tolerance	MacAdam 3SDCM			
Service life	L70(6K) > 36000h			
Beam			2x29°	2x29°
Efficiency			80%	80%
Efficacy	111 lm/W	118 lm/W	75 lm/W	80 lm/W

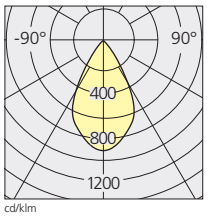
26 W



	3000 K α=2x29°				4000 K α=2x29°			
	H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
1	1,11		1707	575	1,11		1827	615
2	2,22		427	144	2,22		457	154
3	3,33		190	64	3,33		203	68
4	4,43		107	36	4,43		114	38
5	5,54		68	23	5,54		73	25

	LED		luminaire	
Power	25W	25W	29 W	29 W
Flux	3022 lm	3233 lm	2357 lm	2522 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (min.)			
Color tolerance	MacAdam 3SDCM			
Service life	L70(6K) > 36000h			
Beam			2x29°	2x29°
Efficiency			78%	78%
Efficacy	121 lm/W	129 lm/W	81 lm/W	87 lm/W

29 W

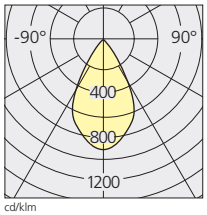


	3000 K α=2x29°				4000 K α=2x29°			
	H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
1	1,11		2063	695	1,11		2208	743
2	2,22		516	174	2,22		552	186
3	3,33		229	77	3,33		245	83
4	4,43		129	43	4,43		138	46
5	5,54		83	28	5,54		88	30

Luceri Kadro LED High-Performance

	LED	luminaire
Power	16 W	19 W
Flux	2119 lm	1698 lm
CCT	3000 K-4000 K	3000 K-4000 K
CRI	=90 (min.)	
Color tolerance	MacAdam 2SDCM	
Service life	L70(6K) > 36000h	
Beam		2x29°
Efficiency		80%
Efficacy	132 lm/W	89 lm/W

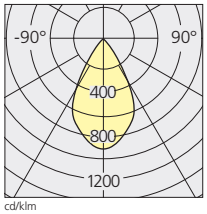
19 W



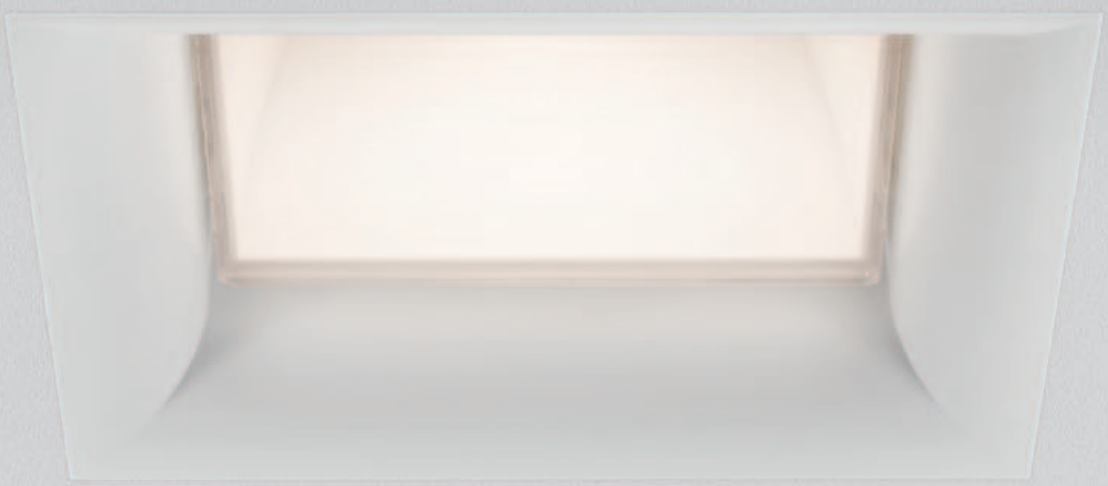
	3000 K-4000 K α=2x29°			
	H m	Ø m	EMax lux	EM lux
1	1,11		1486	500
2	2,22		372	125
3	3,33		165	56
4	4,43		93	31
5	5,54		59	20

	LED	luminaire
Power	22 W	26 W
Flux	2839 lm	2210 lm
CCT	3000 K-4000 K	3000 K-4000 K
CRI	=90 (min.)	
Color tolerance	MacAdam 2SDCM	
Service life	L70(6K) > 36000h	
Beam		2x29°
Efficiency		78%
Efficacy	129 lm/W	85 lm/W

26 W

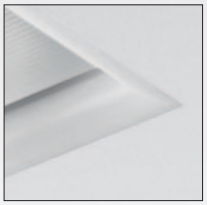


	3000 K-4000 K α=2x29°			
	H m	Ø m	EMax lux	EM lux
1	1,11		1934	651
2	2,22		484	163
3	3,33		215	72
4	4,43		121	41
5	5,54		77	26

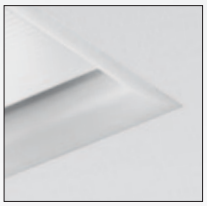


Accessories

		Code
	Transparent screen in polycarbonate	M239300
	Opal screen in PMMA	M239400
	Prismoptic screen in polycarbonate	M239500



With screen



Screenless

Luceri Kadro LED trimless Sharp edge trim

LED faceted mirror optics — not dimmable

W	Weight	Beam	Flux	CCT	Code
26 W	1,50 kg	2x27°	1954 lm	3000 K	M241000
			2091 lm	4000 K	M241100
29 W	1,50 kg	2x27°	2424 lm	3000 K	M241200
			2594 lm	4000 K	M241300

Lighting unit. To be completed with sharp edge trim support.

LED High-Performance faceded optics — Dali dimmable

W	Weight	Beam	Flux	CCT	Code
19 W	1,50 kg	2x30°	1765 lm	3000 K	M241001
				4000 K	M241101
26 W	1,50 kg	2x30°	2282 lm	3000 K	M241201
				4000 K	M241301

Lighting unit. To be completed with sharp edge trim support.

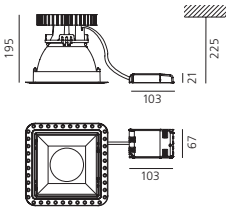
Sharp edge trim support — M240700

▼ **IP**20 / ▲ **IP**44 screenless.

▼ **IP**20 / ▲ **IP**54 with screen.

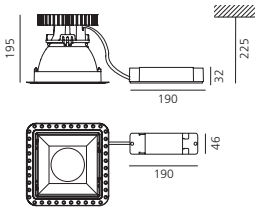
195x195 mm

19 W / 26 W



Frame (ext) 318
Frame (int) 188
Reflector (ext) 177

29 W

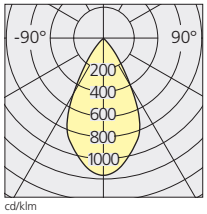


Frame (ext) 318
Frame (int) 188
Reflector (ext) 177

Luceri Kadro LED

	LED		luminaire	
Power	22 W	22 W	26 W	26 W
Flux	2437 lm	2608 lm	1954 lm	2091 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (min.)			
Color tolerance	MacAdam 3SDCM			
Service life	L70(6K) > 36000h			
Beam			2x27°	2x27°
Efficiency			80%	80%
Efficacy	111 lm/W	118 lm/W	75 lm/W	80 lm/W

26 W

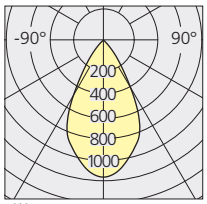


cd/klm

	3000 K α=2x27°				4000 K α=2x27°			
	H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
1	1,04		2281	801	1	1,04	2441	857
2	2,08		570	200	2	2,08	610	214
3	3,12		253	89	3	3,12	271	95
4	4,16		143	50	4	4,16	153	54
5	5,21		91	32	5	5,21	98	34

	LED		luminaire	
Power	25W	25W	29 W	29 W
Flux	3022 lm	3233 lm	2424 lm	2594 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (min.)			
Color tolerance	MacAdam 3SDCM			
Service life	L70(6K) > 36000h			
Beam			2x27°	2x27°
Efficiency			80%	80%
Efficacy	121 lm/W	129 lm/W	84 lm/W	89 lm/W

29 W



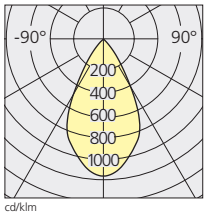
cd/klm

	3000 K α=2x27°				4000 K α=2x27°			
	H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
1	1,04		2803	981	1	1,04	2999	1050
2	2,08		701	245	2	2,08	750	262
3	3,12		311	109	3	3,12	333	117
4	4,16		175	61	4	4,16	187	66
5	5,21		112	39	5	5,21	120	42

Luceri Kadro LED High-Performance

	LED	luminaire
Power	16 W	19 W
Flux	2119 lm	1765 lm
CCT	3000 K-4000 K	3000 K-4000 K
CRI	=90 (min.)	
Color tolerance	MacAdam 2SDCM	
Service life	L70(6K) > 36000h	
Beam		2x30°
Efficiency		83%
Efficacy	132 lm/W	93 lm/W

19 W

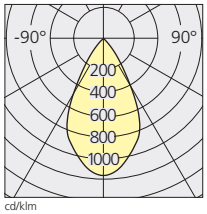


cd/klm

	3000 K-4000 K α=2x30°			
	H m	Ø m	EMax lux	EM lux
1	1,16		1965	637
2	2,32		491	159
3	3,48		218	71
4	4,64		123	40
5	5,80		79	25

	LED	luminaire
Power	22 W	26 W
Flux	2839 lm	2282 lm
CCT	3000 K-4000 K	3000 K-4000 K
CRI	=90 (min.)	
Color tolerance	MacAdam 2SDCM	
Service life	L70(6K) > 36000h	
Beam		2x30°
Efficiency		80%
Efficacy	129 lm/W	88 lm/W

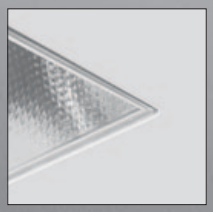
26 W



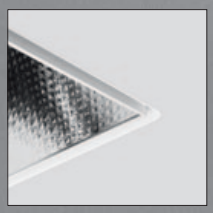
cd/klm

	3000 K-4000 K α=2x30°			
	H m	Ø m	EMax lux	EM lux
1	1,07		2563	878
2	2,14		641	220
3	3,22		285	98
4	4,29		160	55
5	5,36		103	35

Accessories	Code
Transparent screen in polycarbonate	M239300
Opal screen in PMMA	M239400
Prismoptic screen in polycarbonate	M239500



With screen



Screenless

Luceri Kadro LED trim

Gray ● White ○

LED faceted mirror optics — not dimmable

W	Weight	Beam	Flux	CCT	Color	Code
26 W	1,60 kg	2x27°	1954 lm	3000 K	○	M243220
					●	M243260
			2091 lm	4000 K	○	M243320
					●	M243360
29 W	1,60 kg	2x27°	2424 lm	3000 K	○	M243420
					●	M243460
			2594 lm	4000 K	○	M243520
					●	M243560

LED High-Performance faceted mirror optics — Dali dimmable

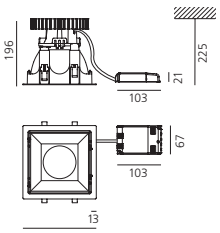
W	Weight	Beam	Flux	CCT	Color	Code
19 W	1,60 kg	2x30°	1765 lm	3000 K	○	M243221
					●	M243261
				4000 K	○	M243321
					●	M243361
26 W	1,60 kg	2x30°	2282 lm	3000 K	○	M243421
					●	M243461
				4000 K	○	M243521
					●	M243561

▼ **IP**20 / ▲ **IP**44 screenless.

▼ **IP**20 / ▲ **IP**54 with screen.

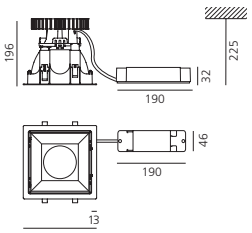
203x203mm

19 W / 26 W



Frame (ext) 218
Frame (int) 188
Reflector (ext) 177

29 W

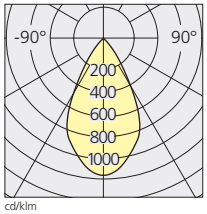


Frame (ext) 218
Frame (int) 188
Reflector (ext) 177

Luceri Kadro LED

	LED		luminaire	
Power	22 W	22 W	26 W	26 W
Flux	2437 lm	2608 lm	1954 lm	2091 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (min.)			
Color tolerance	MacAdam 3SDCM			
Service life	L70(6K) > 36000h			
Beam			2x27°	2x27°
Efficiency			80%	80%
Efficacy	111 lm/W	118 lm/W	75 lm/W	80 lm/W

26 W

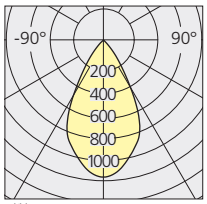


cd/klm

	3000 K α=2x27°				4000 K α=2x27°			
	H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
1	1,04		2281	801	1	1,04	2441	857
2	2,08		570	200	2	2,08	610	214
3	3,12		253	89	3	3,12	271	95
4	4,16		143	50	4	4,16	153	54
5	5,21		91	32	5	5,21	98	34

	LED		luminaire	
Power	25W	25W	29 W	29 W
Flux	3022 lm	3233 lm	2424 lm	2594 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (min.)			
Color tolerance	MacAdam 3SDCM			
Service life	L70(6K) > 36000h			
Beam			2x27°	2x27°
Efficiency			80%	80%
Efficacy	121 lm/W	129 lm/W	84 lm/W	89 lm/W

29 W



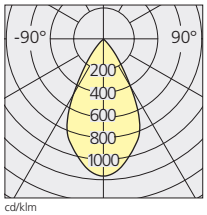
cd/klm

	3000 K α=2x27°				4000 K α=2x27°			
	H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
1	1,04		2803	981	1	1,04	2999	1050
2	2,08		701	245	2	2,08	750	262
3	3,12		311	109	3	3,12	333	117
4	4,16		175	61	4	4,16	187	66
5	5,21		112	39	5	5,21	120	42

Luceri Kadro LED High-Performance

	LED	luminaire
Power	16 W	19 W
Flux	2119 lm	1765 lm
CCT	3000 K-4000 K	3000 K-4000 K
CRI	=90 (min.)	
Color tolerance	MacAdam 2SDCM	
Service life	L70(6K) > 36000h	
Beam		2x30°
Efficiency		83%
Efficacy	132 lm/W	93 lm/W

19 W

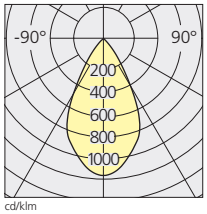


cd/klm

	3000 K-4000 K α=2x30°			
	H m	Ø m	EMax lux	EM lux
1	1,16		1965	637
2	2,32		491	159
3	3,48		218	71
4	4,64		123	40
5	5,80		79	25

	LED	luminaire
Power	22 W	26 W
Flux	2839 lm	2282 lm
CCT	3000 K-4000 K	3000 K-4000 K
CRI	=90 (min.)	
Color tolerance	MacAdam 2SDCM	
Service life	L70(6K) > 36000h	
Beam		2x30°
Efficiency		80%
Efficacy	129 lm/W	88 lm/W

26 W

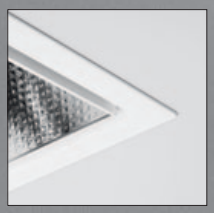


cd/klm

	3000 K-4000 K α=2x30°			
	H m	Ø m	EMax lux	EM lux
1	1,07		2563	878
2	2,14		641	220
3	3,22		285	98
4	4,29		160	55
5	5,36		103	35

Accessories	Code
Transparent screen in polycarbonate	M239300
Opal screen in PMMA	M239400
Prismoptic screen in polycarbonate	M239500

With screen

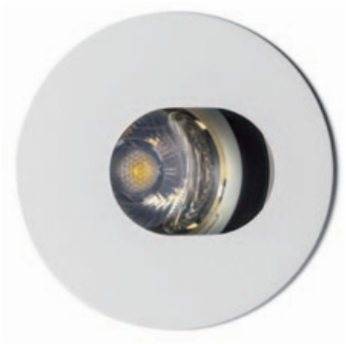


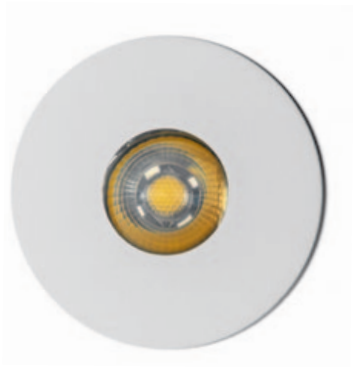
Screenless

Rastaf 86 LED

Studio Artemide

2013





Rastaf LED is a series of LED recessed luminaires, with round or square bezels, where light is delivered from a small hole. A heat sink, combined with the hybrid lens and reflector combination, helps keep the dimensions minimal and output impressive.

Rastaf 86 LED

- Series of LED recessed luminaires, round or square.
- Fixed and adjustable versions available.
- No accessories needed in the IP44 fixed version (IP44 from below)
- 2 dimensions: 86mm, 125mm or 125x125mm diameter.
- Tilt angle up to 45°.
- White steel recessing plate available separately, for 2 or 3 downlighters.
- Range of recessing accessories available.
- Separate power supply.
- Compliant with EN60598-1 standard and other specific standards.

right

Rastaf 86 LED
Ristorante Larte - Milan (Italy)
Interior project: Lorenzo Morganti, Grixoni Service
Photo: Federico Villa

Rastaf 86 LED round

White

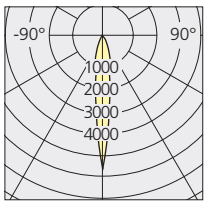
LED						Fixed optic	Adjustable optic
W (LED)	Weight	Beam	Flux	CCT	Color	Code	Code
13 W	0,65 kg	2x6°	310 lm	3000 K		M038500	M038505
			332 lm	4000 K		M038800	M038805
		2x12°	286 lm	3000 K		M038600	M038605
			312 lm	4000 K		M038900	M038905
		2x16°	231 lm	3000 K		M038700	M038705
			247 lm	4000 K		M039000	M039005

Independent power supply, to be ordered separately.

IP20 / IP44 ⌀72 mm

IP20 ⌀72 mm

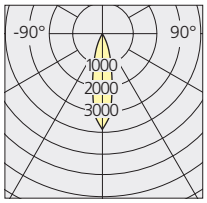
Rastaf 86 LED 2x6°	LED		luminaire	
Power	13 W	13 W	13 W	13 W
Flux	1200 lm	1300 lm	310 lm	332 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (min.)			
Color tolerance	MacAdam 3SDCM			
Service life	L70(6K) > 36000h			
Beam			2x6°	2x6°
Efficiency			26%	26%
Efficacy	98 lm/W	100 lm/W	24 lm/W	26 lm/W



cd/klm

13 W	3000 K			α=2x6°	4000 K			α=2x6°
H m	Ø m	EMax lux	EM lux		H m	Ø m	EMax lux	EM lux
1	0,21	1756	867		1	0,21	1881	929
2	0,41	439	217		2	0,41	470	232
3	0,62	195	96		3	0,62	209	103
4	0,83	110	54		4	0,83	118	58
5	1,03	70	35		5	1,03	75	37

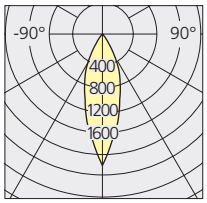
Rastaf 86 LED 2x12°	LED		luminaire	
Power	13 W	13 W	13 W	13 W
Flux	1200 lm	1300 lm	286 lm	312 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (min.)			
Color tolerance	MacAdam 3SDCM			
Service life	L70(6K) > 36000h			
Beam			2x12°	2x12°
Efficiency			24%	24%
Efficacy	98 lm/W	100 lm/W	22 lm/W	24 lm/W



cd/klm

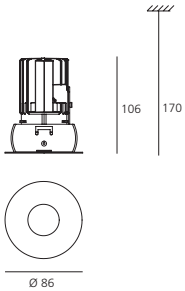
13 W	3000 K			α=2x12°	4000 K			α=2x12°
H m	Ø m	EMax lux	EM lux		H m	Ø m	EMax lux	EM lux
1	0,42	1108	522		1	0,42	1208	569
2	0,84	277	130		2	0,84	302	142
3	1,25	123	58		3	1,25	134	63
4	1,67	69	33		4	1,67	76	36
5	2,09	44	21		5	2,09	48	23

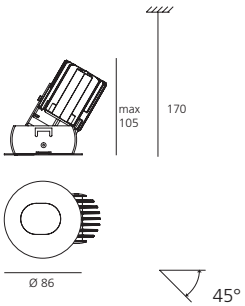
Rastaf 86 LED 2x16°	LED		luminaire	
Power	13 W	13 W	13 W	13 W
Flux	1200 lm	1300 lm	231 lm	247 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (min.)			
Color tolerance	MacAdam 3SDCM			
Service life	L70(6K) > 36000h			
Beam			2x16°	2x16°
Efficiency			19%	19%
Efficacy	98 lm/W	100 lm/W	18 lm/W	19 lm/W



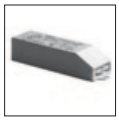
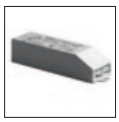
cd/klm

13 W	3000 K			α=2x16°	4000 K			α=2x16°
H m	Ø m	EMax lux	EM lux		H m	Ø m	EMax lux	EM lux
1	0,56	519	232		1	0,56	555	248
2	1,12	130	58		2	1,12	139	62
3	1,68	58	26		3	1,68	62	28
4	2,23	32	15		4	2,23	35	16
5	2,79	21	9		5	2,79	22	10





Power supply units

		Code
	**Independent LED power supply.** Non dimmerabile. Please contact the retailer if you require different configurations. Output power: 19 W. Supply voltage: 220-240 V. Output current: 350 mA. SELV. IP20. Insulation class II. Dimensions: 125 x 38 x 23 mm. Weight: 0,08 kg.	M074600
	**Independent LED power supply.** Dali dimmable. Please contact the retailer if you require different configurations. Output power: 16,8W. Supply voltage: 220-240 V. Output current: 350 mA. SELV. IP20. Insulation class II. Dimensions: 156 x 51,5 x 25,5 mm. Weight: 0,05 kg.	M074700

Accessories

		Code
	Recessing ring with plaster support for Rastaf 86 fix and adjustable 190x190	M080008
	Recessing ring for mineral fibre false ceiling for Rastaf 86 fix and adjustable ⌀78 mm	M080018
	Recessing ring for Rastaf 86 fixed and adjustable ⌀78 mm	M080028
	Steel recessing ring with springs for plasterboard false ceilings for Rastaf 86 fix and adjustable ⌀78 mm	M080038
	Steel recessing plate for 2 spots Rastaf 86 fix and adjustable 125 86 275 260x⌀78 mm	M017300
	Steel recessing plate for 3 spots Rastaf 86 fix and adjustable 125 86 425 410x⌀78 mm	M017400

Rastaf 86 LED square

White

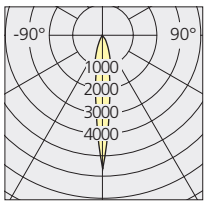
LED						Fixed optic	Adjustable optic
W (LED)	Weight	Beam	Flux	CCT	Color	Code	Code
13 W	0,68 kg	2x6°	310 lm	3000 K		M039100	M039105
			332 lm	4000 K		M039400	M039405
		2x12°	286 lm	3000 K		M039200	M039205
			312 lm	4000 K		M039500	M039505
		2x16°	231 lm	3000 K		M039300	M039305
			247 lm	4000 K		M039600	M039605

Independent power supply, to be ordered separately.

IP20 / IP44 ⌀72 mm

IP20 ⌀72 mm

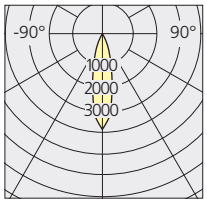
Rastaf 86 LED 2x6°	LED		luminaire	
Power	13 W	13 W	13 W	13 W
Flux	1200 lm	1300 lm	310 lm	332 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (min.)			
Color tolerance	MacAdam 3SDCM			
Service life	L70(6K) > 36000h			
Beam			2x6°	2x6°
Efficiency			26%	26%
Efficacy	98 lm/W	100 lm/W	24 lm/W	26 lm/W



cd/klm

13 W	3000 K			α=2x6°	4000 K			α=2x6°
	H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
	1	0,21	1756	867	1	0,21	1881	929
	2	0,41	439	217	2	0,41	470	232
	3	0,62	195	96	3	0,62	209	103
	4	0,83	110	54	4	0,83	118	58
	5	1,03	70	35	5	1,03	75	37

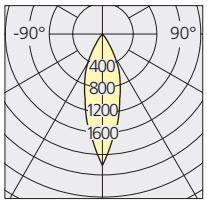
Rastaf 86 LED 2x12°	LED		luminaire	
Power	13 W	13 W	13 W	13 W
Flux	1200 lm	1300 lm	286 lm	312 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (min.)			
Color tolerance	MacAdam 3SDCM			
Service life	L70(6K) > 36000h			
Beam			2x12°	2x12°
Efficiency			24%	24%
Efficacy	98 lm/W	100 lm/W	22 lm/W	24 lm/W



cd/klm

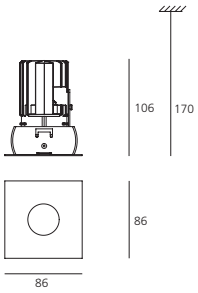
13 W	3000 K			α=2x12°	4000 K			α=2x12°
	H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
	1	0,42	1108	522	1	0,42	1208	569
	2	0,84	277	130	2	0,84	302	142
	3	1,25	123	58	3	1,25	134	63
	4	1,67	69	33	4	1,67	76	36
	5	2,09	44	21	5	2,09	48	23

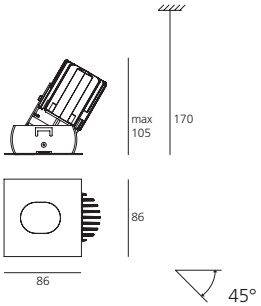
Rastaf 86 LED 2x16°	LED		luminaire	
Power	13 W	13 W	13 W	13 W
Flux	1200 lm	1300 lm	231 lm	247 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (min.)			
Color tolerance	MacAdam 3SDCM			
Service life	L70(6K) > 36000h			
Beam			2x16°	2x16°
Efficiency			19%	19%
Efficacy	98 lm/W	100 lm/W	18 lm/W	19 lm/W



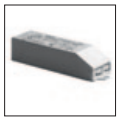
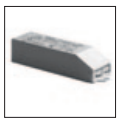
cd/klm

13 W	3000 K			α=2x16°	4000 K			α=2x16°
	H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
	1	0,56	519	232	1	0,56	555	248
	2	1,12	130	58	2	1,12	139	62
	3	1,68	58	26	3	1,68	62	28
	4	2,23	32	15	4	2,23	35	16
	5	2,79	21	9	5	2,79	22	10





Power supply units

		Code
	**Independent LED power supply.** Non dimmerabile. Please contact the retailer if you require different configurations. Output power: 19 W. Supply voltage: 220-240 V. Output current: 350 mA. SELV. IP20. Insulation class II. Dimensions: 125 x 38 x 23 mm. Weight: 0,08 kg.	M074600
	**Independent LED power supply.** Dali dimmable. Please contact the retailer if you require different configurations. Output power: 16,8W. Supply voltage: 220-240 V. Output current: 350 mA. SELV. IP20. Insulation class II. Dimensions: 156 x 51,5 x 25,5 mm. Weight: 0,05 kg.	M074700

Accessories

		Code
	Recessing ring with plaster support for Rastaf 86 fix and adjustable 190x190	M080008
	Recessing ring for mineral fibre false ceiling for Rastaf 86 fix and adjustable ⌀78 mm	M080018
	Recessing ring for Rastaf 86 fixed and adjustable ⌀78 mm	M080028
	Steel recessing ring with springs for plasterboard false ceilings for Rastaf 86 fix and adjustable ⌀78 mm	M080038

Tagora

S. & R. Cornelissen

2013 (LED)
2008 (Other sources)

A series of cylindrical luminaires for ceiling-mounted installation, available with different diameters and depths, allowing cluster configurations. Tagora is a versatile family of products ideal for a wide range of applications. A choice between high performance LED, fluorescent, halogen and metal halide, plus spot or diffused options, gives the Tagora family great flexibility.

Tagora recessed

- Series of ceiling mounted luminaires available in 4 diameters (80 mm, 270 mm, 570 mm, 970 mm), using high-output LEDs, Retrofit LEDs, 12V halogen lamps, metal halide and fluorescent sources.
- Fitting is made up from a trimless frame, to be fixed and plastered onto plasterboard ceiling, plus an aluminium optic housing with white or orange paint finish.
- Tagora 80 and 270 offer high-output spot light with aluminium optics. 2 beam angles for LED version and 3 for HIT version.
- Tagora 270 LED uses a proprietary system based on a hybrid combined lens and reflector optic. This system helps to create defined narrow beams using high-powered LED modules of large dimensions.
- Tagora 570 and 970 come with a PMMA diffuser, offering a comfortable diffused light. LED versions use high-output sources.
- Monochromatic LED option with warm white (3000 K) and neutral white (4000 K) tones.
- Integrated electronic power supply, dimmable or non-dimmable options, depending on the version.
- Emergency lighting available on Tagora 570 fluorescent option.
- Only ceiling recessed installation allowed.
- Compliant with standard EN60598-1 and other specific standards.

Tagora recessed 80 LED

Orange ● White ○

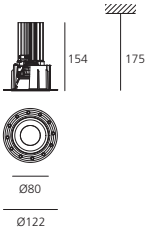
LED

W (LED)	Weight	Beam	Flux	CCT	Color	Code
15 W	0,35 kg	2x9°	704 lm	3000 K	●	M249010
					○	M249020
			757 lm	4000 K	●	M249110
					○	M249120
		2x19°	729 lm	3000 K	●	M249410
					○	M249420
			832 lm	4000 K	●	M249510
					○	M249520

Independent power supply, to be ordered separately.

IP20
(LED GU10)
960°

⌀92



LED (GU10)

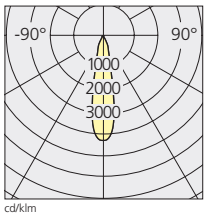
	Weight	Color	Code
220 V	0,35 kg	●	M020210
240 V*		○	M020220

*Max 81mm (overall)

Tagora 80 LED 2x9°

	LED		luminaire	
Power	15 W	15 W	15 W	15 W
Flux	1160 lm	1320 lm	704 lm	757 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=82 (typ.)			
Color tolerance	MacAdam 4SDCM			
Service life	L70(6K) > 36000h			
Beam			2x9°	2x9°
Efficiency			61%	61%
Efficacy	77 lm/W	88 lm/W	47 lm/W	50 lm/W

15 W



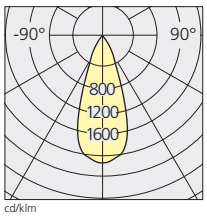
cd/klm

3000 K α=2x9°				4000 K α=2x9°			
H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
1	0,32	3156	1532	1	0,32	3393	1647
2	0,64	789	383	2	0,64	848	412
3	0,96	351	170	3	0,96	377	183
4	1,28	197	96	4	1,28	212	103
5	1,60	126	61	5	1,60	136	66

Tagora 80 LED 2x19°

	LED		luminaire	
Power	15 W	15 W	15 W	15 W
Flux	1160 lm	1320 lm	729 lm	832 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=82 (typ.)			
Color tolerance	MacAdam 4SDCM			
Service life	L70(6K) > 36000h			
Beam			2x19°	2x19°
Efficiency			63%	63%
Efficacy	77 lm/W	88 lm/W	49 lm/W	55 lm/W

15 W



cd/klm

3000 K α=2x19°				4000 K α=2x19°			
H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
1	0,69	1609	685	1	0,69	1837	782
2	1,38	402	171	2	1,38	459	196
3	2,07	179	76	3	2,07	204	87
4	2,75	101	43	4	2,75	115	49
5	3,44	64	27	5	3,44	73	31

Power supply units

Independent LED power supply.
dimmable 1-10V. Output power: 17 W.
Supply voltage: 220-240 V.
Output power: 500 mA. SELV. IP20.
Insulation class II.
Dimensions: 108x53x33 mm. Weight 0,11 kg.
To feed single units.
Please contact the retailer
if you require different configurations.

Code
M074330

Tagora recessed 80 HIT/HALO

Orange ● White ○

QR-CBC51 (GU5,3)

W	Weight	Color	Code
12 V max 35 W	0,35 kg	●	M020810
		○	M020820

retrofit ▶ MASTER LEDspot MR16 (GU5,3) 12V 7 W

HIPAR51-CE-P (GX10)

W	Weight	Color	Code
20 W	1,20 kg	●	M020710
		○	M020720

HIT-TC-CE (GU6,5)

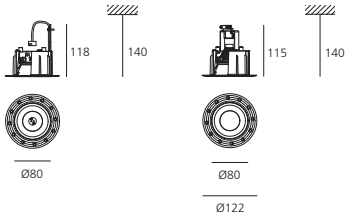
W	Weight	Beam	Flux	Color	Code
20 W	1,20 kg	2x7°	1600 lm	●	M020910SP
				○	M020920SP
		2x12°	1600 lm	●	M020910MFL
				○	M020920MFL
		2x20°	1600 lm	●	M020910FL
				○	M020920FL

IP20
960°

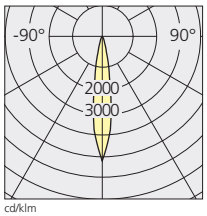
⌀92

QR-CBC51
HIPAR51

HIT (GU6,5)

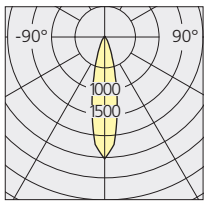


20 W/1600 lm — Efficiency 62% — α=2x7°



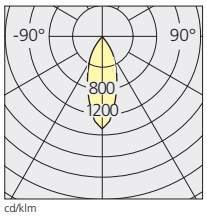
H m	Ø m	EMax lux	EM lux
1	0,28	7906	3858
2	0,56	1976	964
3	0,84	878	429
4	1,12	494	241
5	1,41	316	154

20 W/1600 lm — Efficiency 63% — α=2x12°



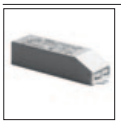
H m	Ø m	EMax lux	EM lux
1	0,41	4113	1940
2	0,83	1028	485
3	1,24	457	216
4	1,66	257	121
5	2,07	165	78

20 W/1600 lm — Efficiency 82% — α=2x20°



H m	Ø m	EMax lux	EM lux
1	0,67	2355	1008
2	1,35	589	252
3	2,02	262	112
4	2,69	147	63
5	3,37	94	40

Power supply units

	Code
 **Electronic transformer 10-35 W** **230-240V/12V Class II** dimmable with leading or trailing edge dimmers. 123x32x23 mm	M070211
Electronic power supply for HIT 1x20 W **230-240V Class I** 145x28x60 mm	M071232

Tagora recessed 270 LED

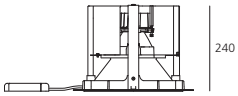
Orange ● White ○

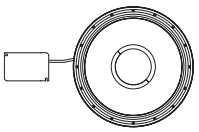
LED						Dali-SwitchDim
W	Weight	Beam	Flux	CCT	Color	Code
36 W	2,60 kg	2x7°	2072 lm	3000 K	●	M250411
					○	M250421
			2217 lm	4000 K	●	M250511
					○	M250521
		2x20°	1900 lm	3000 K	●	M250611
					○	M250621
			2032 lm	4000 K	●	M250711
					○	M250721

Independent LED power supply integrated. Dimmable Dali-SwitchDim.
Supply voltage 220-240V. Insulation class II. SELV. IP20.

IP20
750°

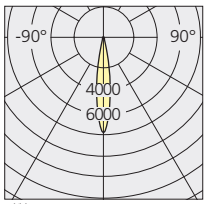
⌀292





Tagora 270 Led 2x8°	LED		luminaire	
Power	31 W	31 W	36 W	36 W
Flux	3454 lm	3695 lm	2072 lm	2217 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (min.)			
Color tolerance	MacAdam 3SDCM			
Service life	L70(6K) > 36000h			
Beam			2x7°	2x7°
Efficiency			60%	60%
Efficacy	111 lm/W	119 lm/W	57 lm/W	62 lm/W

36 W

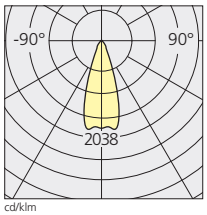


cd/klm

3000 K			α=2x8°	4000 K			α=2x7°
H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
1	0,28	15922	7756	1	0,28	17037	8299
2	0,57	3981	1939	2	0,57	4259	2075
3	0,85	1769	862	3	0,85	1893	922
4	1,14	995	485	4	1,14	1065	519
5	1,42	637	310	5	1,42	681	332

Tagora 270 Led 2x18°	LED		luminaire	
Power	31 W	31 W	36 W	36 W
Flux	3454 lm	3695 lm	1900 lm	2032 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (min.)			
Color tolerance	MacAdam 3SDCM			
Service life	L70(6K) > 36000h			
Beam			2x20°	2x20°
Efficiency			55%	55%
Efficacy	111 lm/W	119 lm/W	52 lm/W	56 lm/W

36 W



cd/klm

3000 K			α=2x18°	4000 K			α=2x20°
H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
1	0,67	3872	1694	1	0,67	4143	1812
2	1,33	968	423	2	1,33	1036	453
3	2,00	430	188	3	2,00	460	201
4	2,66	242	106	4	2,66	259	113
5	3,33	155	68	5	3,33	166	72

right

Tagora 970 / 270 / 80 recessed
Tagora 270 ceiling
BASF Lukids - Ludwigshafen (Germany)
Arch: Sander Hofrichter
Photo: Lioba Schneider

Tagora recessed 270 HIT/Fluo

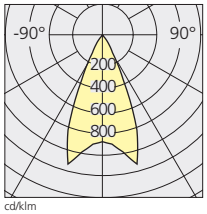
Orange ● White ○

HIT-CE (G12)

W	Weight	Beam	Flux	Color	Code
70 W	2,64 kg	2x23°	6600 lm	●	M021210
				○	M021220
		2x33°	6600 lm	●	M021310
				○	M021320

IP20 ⏚
750°

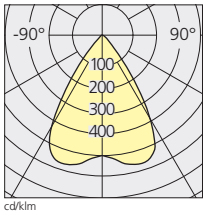
70 W/6600 lm — Efficiency 67% α=2x23°



cd/klm

H m	Ø m	EMax lux	EM lux
1	0,86	5928	2883
2	1,72	1482	721
3	2,58	659	320
4	3,45	370	180
5	4,31	237	115

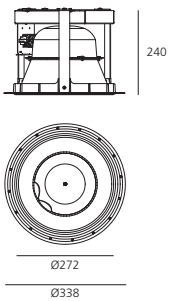
70 W/6600 lm — Efficiency 71% α=2x33°



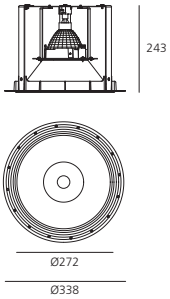
cd/klm

H m	Ø m	EMax lux	EM lux
1	1,35	2553	1294
2	2,70	638	324
3	4,05	284	144
4	5,40	160	81
5	6,75	102	52

TC-TEL / TC-DEL



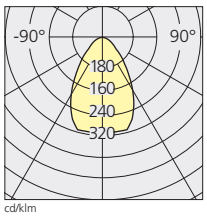
HIT



TC-DEL (G24q-3)

W	Weight	Beam	Flux	Color	non dimmable Code	Dali-SwitchDim Code
2x26 W	2,38 kg	2x35°	3600 lm	●	M021110	M021111
				○	M021120	M021121

2x26 W/3600 lm — Efficiency 46% 2x35°



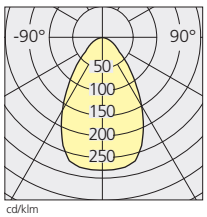
cd/klm

H m	Ø m	EMax lux	EM lux
1	1,37	1091	307
2	2,75	273	77
3	4,12	121	34
4	5,50	68	19
5	6,87	44	12

TC-TEL (GR14q-1)

W	Weight	Beam	Flux	Color	non dimmable Code	Dali-SwitchDim Code
2x17 W	2,38 kg	2x33°	3000 lm	●	M021010	M021011
				○	M021020	M021021

2x17 W/3000 lm — Efficiency 40% 2x33°



cd/klm

H m	Ø m	EMax lux	EM lux
1	1,31	702	206
2	2,62	176	52
3	3,93	78	23
4	5,24	44	13
5	6,54	28	8

Power supply units

electronic power supply for HIT 1x70 W
230-240V Class II
150x80x35mm

Code
M070522

right
Tagora 970 / 270 / 80 recessed
Tagora 270 ceiling
BASF Lukids - Ludwigshafen (Germany)
Arch: Sander Hofrichter
Photo: Lioba Schneider

Tagora recessed 570 LED

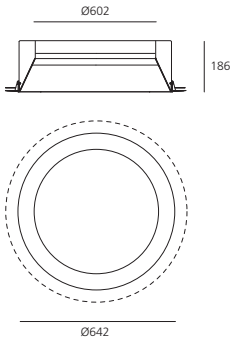
Orange ● White ○

LED						Dali-SwitchDim
W	Weight	Beam	Flux	CCT	Color	Code
46 W	5,90 kg	2x51°	2175 lm	3000 K	●	M250211
					○	M250221
			2316 lm	4000 K	●	M250311
					○	M250321

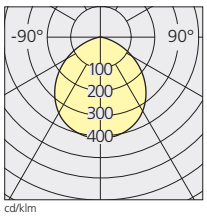
Independent LED power supply integrated. Dimmable Dali-SwitchDim.
Supply voltage 220-240V. Insulation class II. SELV. IP20.

IP40 ⏚
650°

⌀606



Tagora 570 LED	LED		luminaire	
Power	40 W	40 W	46 W	46 W
Flux	4840 lm	5200 lm	2175 lm	2316 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (typ.)			
Color tolerance	MacAdam 4SDCM			
Service life	L70(6K) > 36000h			
Beam			2x51°	2x51°
Efficiency			45%	45%
Efficacy	121 lm/W	130 lm/W	47 lm/W	50 lm/W



46 W	3000 K		α=2x51°		4000 K		α=2x51°	
	H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
	1	2,52	884	106	1	2,52	942	113
	2	5,05	221	27	2	5,05	235	28
	3	7,57	98	12	3	7,57	105	13
	4	10,09	55	7	4	10,09	59	7
	5	12,62	35	4	5	12,62	38	5

Tagora recessed 570 Fluo

Orange ● White ○

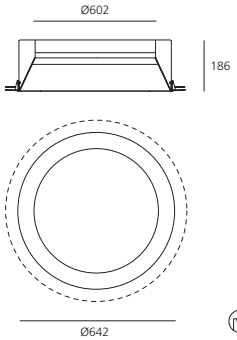
TC-LEL (2G11)

W	Weight	Beam	Flux	Color	non dimmable Code	+ emergency 1h Code
4x36 W	5,85 kg	2x53°	11600 lm	●	M016010	M016017
				○	M016020	M016027

Dali-SwitchDim

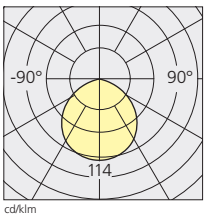
Color	Code
●	M016011
○	M016021

IP40 ⏚ 650°



⌀606

4x36 W/11600 lm **Efficiency 30%** 2x53°



cd/klm

H m	Ø m	EMax lux	EM lux
1	2,58	1364	157
2	5,16	341	39
3	7,74	152	17
4	10,31	85	10
5	12,89	55	6

Tagora recessed 970 LED

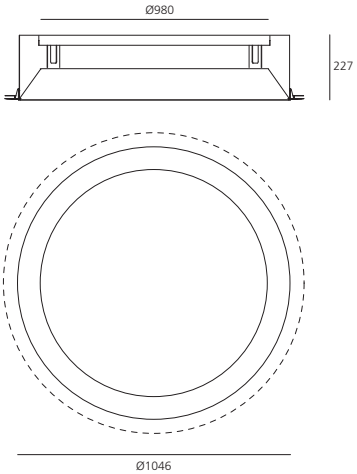
Orange ● White ○

LED						Dali-SwitchDim
W	Weight	Beam	Flux	CCT	Color	Code
116 W	22,50 kg	2x51°	6171 lm	3000 K	●	M250011
					○	M250021
			6630 lm	4000 K	●	M250111
					○	M250121

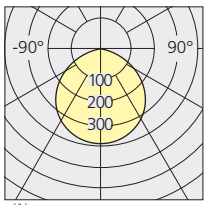
Independent LED power supply integrated. Dimmable Dali-SwitchDim.
Supply voltage 220-240V. Insulation class II. SELV. IP20.

IP40 ⏚
650°

⌀1002



Tagora 970 LED	LED direct		luminaire direct	
Power	100 W	100 W	116 W	116 W
Flux	12100 lm	13000 lm	6171 lm	6630 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (typ.)			
Color tolerance	MacAdam 4SDCM			
Service life	L70(6K) > 36000h			
Beam			2x51°	2x51°
Efficiency			51%	51%
Efficacy	121 lm/W	130 lm/W	53 lm/W	57 lm/W



116 W	3000 K		α=2x51°		4000 K		α=2x51°	
	H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
	1	2,82	2327	225	1	2,82	2492	240
	2	5,65	582	56	2	5,65	623	60
	3	8,47	259	25	3	8,47	277	27
	4	11,30	145	14	4	11,30	156	15
	5	14,12	93	9	5	14,12	100	10

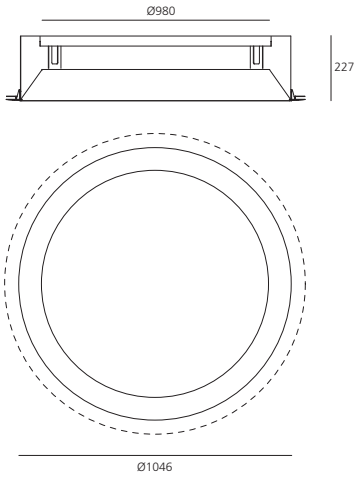
Tagora recessed 970 Fluo

Orange ● White ○

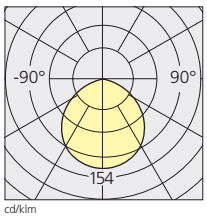
T16 (G5)					non dimmable	Dali-SwitchDim
W	Weight	Beam	Flux	Color	Code	Code
4x24 W + 4x39 W	22,00 kg	2x56°	19400 lm	●	M021510	M021511
				○	M021520	M021521

IP40 ⏚ 650°

⌀1002



4x24W+4x39W/19400 lm **Efficiency 43%** 2x56°



cd/klm

H m	Ø m	EMax lux	EM lux
1	2,98	2978	258
2	5,95	745	65
3	8,93	331	29
4	11,91	186	16
5	14,88	119	10

Tagora ceiling

- Series of ceiling mounted luminaires available in 4 diameters (80 mm, 270 mm, 570 mm, 970 mm), using high-output LEDs, Retrofit LEDs, 12V halogen lamps, metal halide and fluorescent sources.
- Aluminium body in 3 colour combinations: beige/white, grey/white and black/orange.
- Tagora 80 and 270 offer high-output spot light with aluminium optics. 2 beam angles for LED version and 3 for HIT version.
- Tagora 270 LED uses a proprietary system based on a hybrid combined lens and reflector optic. This system helps to create defined narrow beams using high-powered LED modules of large dimensions.
- Tagora 570 and 970 come with a PMMA diffuser, offering a comfortable diffused light. LED versions use high-output sources.
- Monochromatic LED option with warm white (3000 K) and neutral white (4000 K) tones.
- Integrated electronic power supply, dimmable or non-dimmable options, depending on the version.
- Emergency lighting available on Tagora 570 fluorescent option.
- Only ceiling mounted installation allowed.
- Compliant with standard EN60598-1 and other specific standards.

Tagora ceiling 80 LED

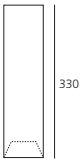
Black/Orange | Gray/White | Beige/White

LED

non dimmable

W (Led)	Weight	Beam	Flux	CCT	Color	Code
18 W	1,15 kg	2x9°	704 lm	3000 K		M244610
						M244660
						M244620
			757 lm	4000 K		M244710
						M244760
						M244720
		2x19°	729 lm	3000 K		M244810
						M244860
						M244820
			832 lm	4000 K		M244910
						M244960
						M244920

IP20 ⏚
960°

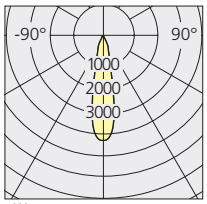


LED (GU10)

	Weight	Color	Code
220 V 240 V*	0,98 kg		M018910
			M018960
			M018920

Tagora 80 LED 2x9°	LED		luminaire	
Power	15 W	15 W	18 W	18 W
Flux	1160 lm	1320 lm	704 lm	757 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=82 (typ.)			
Color tolerance	MacAdam 4SDCM			
Service life	L70(6K) > 36000h			
Beam			2x9°	2x9°
Efficiency			61%	61%
Efficacy	77 lm/W	88 lm/W	39 lm/W	42 lm/W

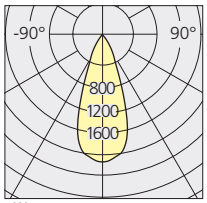
18 W



3000 K α=2x9°				4000 K α=2x9°			
H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
1	0,32	3156	1532	1	0,32	3393	1647
2	0,64	789	383	2	0,64	848	412
3	0,96	351	170	3	0,96	377	183
4	1,28	197	96	4	1,28	212	103
5	1,60	126	61	5	1,60	136	66

Tagora 80 LED 2x19°	LED		luminaire	
Power	15 W	15 W	18 W	18 W
Flux	1160 lm	1320 lm	729 lm	832 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=82 (typ.)			
Color tolerance	MacAdam 4SDCM			
Service life	L70(6K) > 36000h			
Beam			2x19°	2x19°
Efficiency			63%	63%
Efficacy	77 lm/W	88 lm/W	41 lm/W	46 lm/W

18 W



3000 K α=2x19°				4000 K α=2x19°			
H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
1	0,69	1609	685	1	0,69	1837	782
2	1,38	402	171	2	1,38	459	196
3	2,07	179	76	3	2,07	204	87
4	2,75	101	43	4	2,75	115	49
5	3,44	64	27	5	3,44	73	31

Tagora ceiling 80 HIT/HALO

Black/Orange | Gray/White | Beige/White

QR-CBC51 (GU5,3)

dimmable*

W	Weight	Color	Code
12 V max 35 W	1,06 kg		M018210
			M018260
			M018220

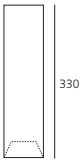
retrofit ▶ MASTER LEDspot MR16 (GU5,3) 12V 7 W

Electronic transformer 35 W, 230-240V/12V.
*Leading and trailing edge dimmable.

IP20
960°

HIPAR51-CE-P (GX10)

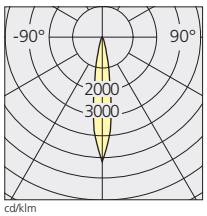
W	Weight	Color	Code
20 W	1,15 kg		M018310
			M018360
			M018320



HIT-TC-CE (GU6,5)

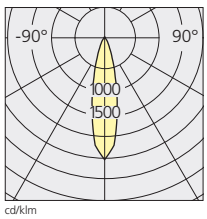
W	Weight	Beam	Flux	Color	Code
20 W	1,15 kg	2x7°	1600 lm		M017010SP
					M017060SP
					M017020SP
		2x12°	1600 lm		M017010MFL
					M017060MFL
					M017020MFL
		2x20°	1600 lm		M017010FL
					M017060FL
					M017020FL

20 W/1600 lm — Efficiency 62% α=2x7°



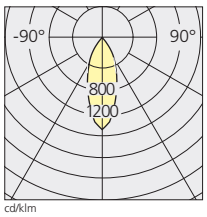
H m	Ø m	EMax lux	EM lux
1	0,28	7906	3858
2	0,56	1976	964
3	0,84	878	429
4	1,12	494	241
5	1,41	316	154

20 W/1600 lm — Efficiency 63% α=2x12°



H m	Ø m	EMax lux	EM lux
1	0,41	4113	1940
2	0,83	1028	485
3	1,24	457	216
4	1,66	257	121
5	2,07	165	78

20 W/1600 lm — Efficiency 82% α=2x20°



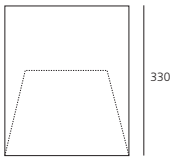
H m	Ø m	EMax lux	EM lux
1	0,67	2355	1008
2	1,35	589	252
3	2,02	262	112
4	2,69	147	63
5	3,37	94	40

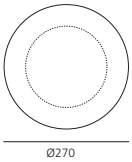
Tagora ceiling 270 LED

Black/Orange | Gray/White | Beige/White

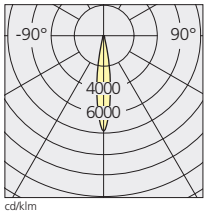
LED						Dali-SwitchDim
W (Led)	Weight	Beam	Flux	CCT	Color	Code
36 W	2,60 kg	2x8°	2072 lm	3000 K		M248411
						M248461
						M248421
			2217 lm	4000 K		M248511
						M248561
						M248521
		2x18°	1900 lm	3000 K		M248611
						M248661
						M248621
			2032 lm	4000 K		M248711
						M248761
						M248721

IP20
960°





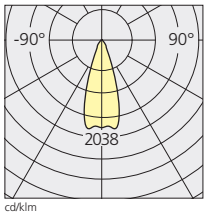
Tagora 270 Led 2x8°	LED		luminaire	
Power	31 W	31 W	36 W	36 W
Flux	3454 lm	3695 lm	2072 lm	2217 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (min.)			
Color tolerance	MacAdam 3SDCM			
Serivce life	L70(6K) > 36000h			
Beam			2x8°	2x8°
Efficiency			60%	60%
Efficacy	111 lm/W	119 lm/W	57 lm/W	62 lm/W



cd/klm

36 W	3000 K			α=2x8°	4000 K			α=2x8°
	H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
	1	0,28	15922	7756	1	0,28	17037	8299
	2	0,57	3981	1939	2	0,57	4259	2075
	3	0,85	1769	862	3	0,85	1893	922
	4	1,14	995	485	4	1,14	1065	519
	5	1,42	637	310	5	1,42	681	332

Tagora 270 Led 2x18°	LED		luminaire	
Power	31 W	31 W	36 W	36 W
Flux	3454 lm	3695 lm	1900 lm	2032 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (min.)			
Color tolerance	MacAdam 3SDCM			
Serivce life	L70(6K) > 36000h			
Beam			2x18°	2x18°
Efficiency			55%	55%
Efficacy	111 lm/W	119 lm/W	52 lm/W	56 lm/W



cd/klm

36 W	3000 K			α=2x18°	4000 K			α=2x18°
	H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
	1	0,67	3872	1694	1	0,67	4143	1812
	2	1,33	968	423	2	1,33	1036	453
	3	2,00	430	188	3	2,00	460	201
	4	2,66	242	106	4	2,66	259	113
	5	3,33	155	68	5	3,33	166	72

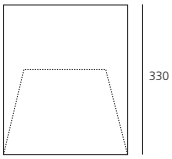
Tagora ceiling 270 HIT/Fluo

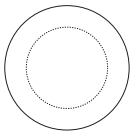
Black/Orange | Gray/White | Beige/White

HIT-CE (G12)

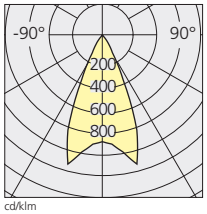
W	Weight	Beam	Flux	Color	Code
70 W	2,64 kg	2x23°	6600 lm		M018710
					M018760
					M018720
		2x33°	6600 lm		M018810
					M018860
					M018820

IP20
960°



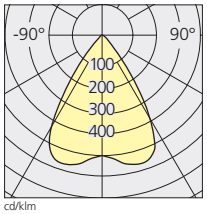


70 W/6600 lm — Efficiency 67% α=2x23°



H m	Ø m	EMax lux	EM lux
1	0,86	5928	2883
2	1,72	1482	721
3	2,58	659	320
4	3,45	370	180
5	4,31	237	115

70 W/6600 lm — Efficiency 71% α=2x33°

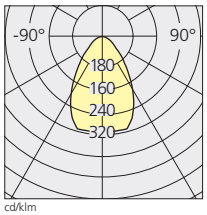


H m	Ø m	EMax lux	EM lux
1	1,35	2553	1294
2	2,70	638	324
3	4,05	284	144
4	5,40	160	81
5	6,75	102	52

TC-DEL (G24q-3)

W	Weight	Beam	Flux	Color	Code (non dimmable)	Code (Dali-SwitchDim)
2x26 W	2,38 kg	2x35°	3600 lm		M018510	M018511
					M018560	M018561
					M018520	M018521

2x26 W/3600 lm — Efficiency 46% 2x35°

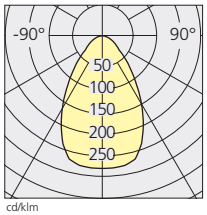


H m	Ø m	EMax lux	EM lux
1	1,37	1091	307
2	2,75	273	77
3	4,12	121	34
4	5,50	68	19
5	6,87	44	12

TC-TEL (GR14q-1)

W	Weight	Beam	Flux	Color	Code (non dimmable)	Code (Dali-SwitchDim)
2x17 W	2,38 kg	2x33°	3000 lm		M018610	M018611
					M018660	M018661
					M018620	M018621

2x17 W/3000 lm — Efficiency 40% 2x33°



H m	Ø m	EMax lux	EM lux
1	1,31	702	206
2	2,62	176	52
3	3,93	78	23
4	5,24	44	13
5	6,54	28	8

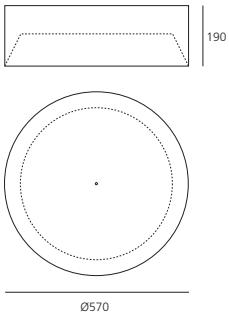
following pages
Tagora 970 / 270 / 80 ceiling
Vodafone Campus - Dusseldorf (Germany)
Arch: HPP Hentrich-Petschnigg & Partner
Photo: Werner Huthmacher

Tagora ceiling 570 LED

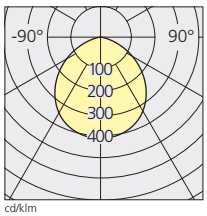
Black/Orange | Gray/White | Beige/White

LED						Dali-SwitchDim
W (Led)	Weight	Beam	Flux	CCT	Color	Code
46 W	5,30 kg	2x51°	2175 lm	3000 K		M248211
						M248261
						M248221
			2316 lm	4000 K		M248311
						M248361
						M248321

IP40
650°



Tagora 570 LED	LED		luminaire	
Power	40 W	40 W	46 W	46 W
Flux	4840 lm	5200 lm	2175 lm	2316 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (typ.)			
Color tolerance	MacAdam 4SDCM			
Service life	L70(6K) > 36000h			
Beam			2x51°	2x51°
Efficiency			45%	45%
Efficacy	121 lm/W	130 lm/W	47 lm/W	50 lm/W



46 W	3000 K		α=2x51°		4000 K		α=2x51°	
	H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
	1	2,52	884	106	1	2,52	942	113
	2	5,05	221	27	2	5,05	235	28
	3	7,57	98	12	3	7,57	105	13
	4	10,09	55	7	4	10,09	59	7
	5	12,62	35	4	5	12,62	38	5

Tagora ceiling 570 Fluo

Black/Orange | Gray/White | Beige/White

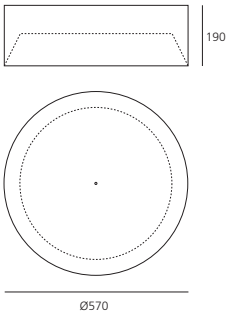
TC-LEL (2G11)

W	Weight	Beam	Flux	Color
4x36 W	5,20 kg	2x53°	11600 lm	

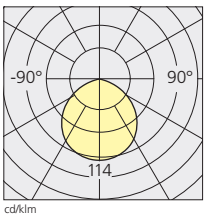
Color	non dimmable Code	+ emergency 1h Code
	M016710	M016717
	M016760	M016767
	M016720	M016727

Color	Dali-SwitchDim Code
	M016711
	M016761
	M016721

IP40 650°



4x36 W/11600 lm | **Efficiency 30%** | 2x53°



H m	Ø m	EMax lux	EM lux
1	2,58	1364	157
2	5,16	341	39
3	7,74	152	17
4	10,31	85	10
5	12,89	55	6

Tagora ceiling 970 LED

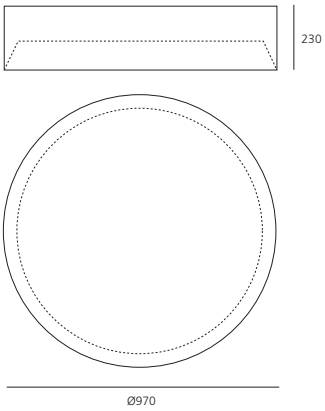
Black/Orange | Gray/White | Beige/White

LED

W (Led)	Weight	Beam	Flux	CCT	Color	Code
116 W	15,50 kg	2x51°	6171 lm	3000 K		M248011
						M248061
						M248021
			6630 lm	4000 K		M248111
						M248161
						M248121

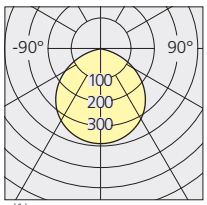
Dali-SwitchDim

IP40
650°



Tagora 970 LED	LED direct		luminaire direct	
Power	100 W	100 W	116 W	116 W
Flux	12100 lm	13000 lm	6171 lm	6630 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (typ.)			
Color tolerance	MacAdam 4SDCM			
Service life	L70(6K) > 36000h			
Beam			2x51°	2x51°
Efficiency			51%	51%
Efficacy	121 lm/W	130 lm/W	53 lm/W	57 lm/W

116 W



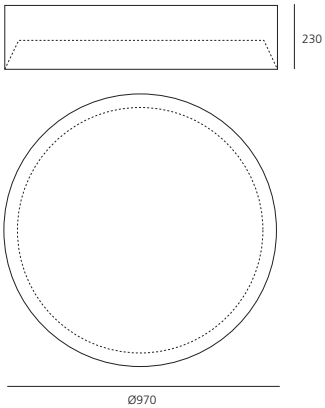
3000 K α=2x51°				4000 K α=2x51°			
H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
1	2,82	2327	225	1	2,82	2492	240
2	5,65	582	56	2	5,65	623	60
3	8,47	259	25	3	8,47	277	27
4	11,30	145	14	4	11,30	156	15
5	14,12	93	9	5	14,12	100	10

Tagora ceiling 970 Fluo

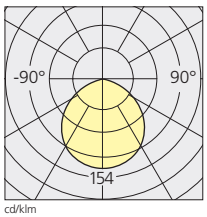
Black/Orange | Gray/White | Beige/White

T16 (G5)					non dimmable	Dali-SwitchDim
W	Weight	Beam	Flux	Color	Code	Code
4x24 W + 4x39 W	15,00 kg	2x56°	19400 lm		M017710	M017711
					M017760	M017761
					M017720	M017721

IP40 650°



4x24W+4x39W/19400 lm **Efficiency 43%** 2x56°



H m	Ø m	EMax lux	EM lux
1	2,98	2978	258
2	5,95	745	65
3	8,93	331	29
4	11,91	186	16
5	14,88	119	10

following pages
Tagora 970 / 270 / 80 ceiling
Vodafone Campus - Dusseldorf (Germany)
Arch: HPP Hentrich-Petschnigg & Partner
Photo: Werner Huthmacher

Tagora suspension

- Series of suspended luminaires available in 4 diameters (80 mm, 270 mm, 570 mm, 970 mm), using high-output LEDs, Retrofit LEDs, 12V halogen lamps, metal halide and fluorescent sources.
- Aluminium body in 3 colour combinations: beige/white, grey/white and black/orange.
- Steel suspension cables allowing quick adjustment, 2 metre length.
- Tagora 80 and 270 offer a high-output spot light with aluminium optics. 2 beam angles for LED versions and 3 for HIT versions.
- Tagora 270 LED uses a proprietary system based on a hybrid combined lens and reflector optic. This system helps to create defined narrow beams using high-powered LED modules of large dimensions.
- Tagora 570 and 970 come with a PMMA diffuser, offering a comfortable diffused light. LED versions use high-output sources.
- Monochromatic LED option with warm white (3000 K) and neutral white (4000 K) tones.
- Integrated electronic power supply, dimmable or non-dimmable options, depending on the version.
- Emergency lighting available on Tagora 570 fluorescent option.
- Option of double light emission available on Tagora 570 and 970 fluorescent modules.
- Compliant with standard EN60598-1 and other specific standards.

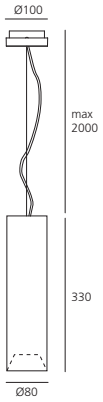
Tagora suspension 80 LED

Black/Orange | Gray/White | Beige/White

LED — non dimmable

W (Led)	Weight	Beam	Flux	CCT	Color	Code
18 W	1,20 kg	2x9°	704 lm	3000 K		M247610
						M247660
						M247620
			757 lm	4000 K		M247710
						M247760
						M247720
		2x19°	729 lm	3000 K		M247810
						M247860
						M247820
			832 lm	4000 K		M247910
						M247960
						M247920

IP20
960°



LED (GU10)

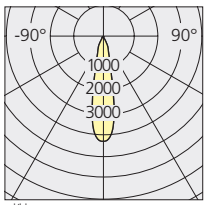
	Weight	Color	Code
220 V 240 V*	1,03 kg		M019110
			M019160
			M019120

*Max 81mm (overall)

Tagora 80 LED 2x9°

	LED		luminaire	
Power	15 W	15 W	18 W	18 W
Flux	1160 lm	1320 lm	704 lm	757 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=82 (typ.)			
Color tolerance	MacAdam 4SDCM			
Service life	L70(6K) > 36000h			
Beam			2x9°	2x9°
Efficiency			61%	61%
Efficacy	77 lm/W	88 lm/W	39 lm/W	42 lm/W

18 W



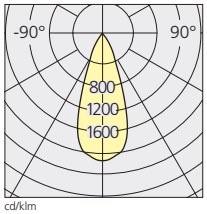
cd/klm

3000 K			α=2x9°	4000 K			α=2x9°
H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
1	0,32	3156	1532	1	0,32	3393	1647
2	0,64	789	383	2	0,64	848	412
3	0,96	351	170	3	0,96	377	183
4	1,28	197	96	4	1,28	212	103
5	1,60	126	61	5	1,60	136	66

Tagora 80 LED 2x19°

	LED		luminaire	
Power	15 W	15 W	18 W	18 W
Flux	1160 lm	1320 lm	729 lm	832 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=82 (typ.)			
Color tolerance	MacAdam 4SDCM			
Service life	L70(6K) > 36000h			
Beam			2x19°	2x19°
Efficiency			63%	63%
Efficacy	77 lm/W	88 lm/W	41 lm/W	46 lm/W

18 W



cd/klm

3000 K			α=2x19°	4000 K			α=2x19°
H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
1	0,69	1609	685	1	0,69	1837	782
2	1,38	402	171	2	1,38	459	196
3	2,07	179	76	3	2,07	204	87
4	2,75	101	43	4	2,75	115	49
5	3,44	64	27	5	3,44	73	31

Tagora suspension 80 HIT/HALO

Black/Orange | Gray/White | Beige/White

IP20
960°

QR-CBC51 (GU5,3)

dimmable*

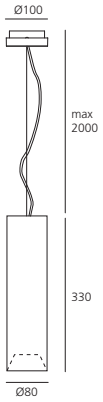
W	Weight	Color	Code
12 V max 35 W	1,12 kg		M017810
			M017860
			M017820

retrofit ▶ MASTER LEDspot MR16 (GU5,3) 12V 7 W

*Leading and trailing edge dimmable.

HIPAR51-CE-P (GX10)

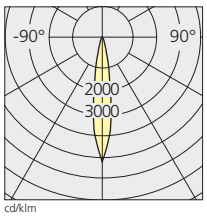
W	Weight	Color	Code
20 W	1,20 kg		M019210
			M019260
			M019220



HIT-TC-CE (GU6,5)

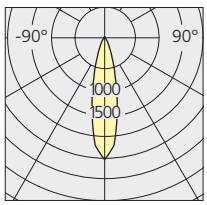
W	Weight	Beam	Flux	Color	Code
20 W	1,20 kg	2x7°	1600 lm		M019310SP
					M019360SP
					M019320SP
		2x12°	1600 lm		M019310MFL
					M019360MFL
					M019320MFL
		2x20°	1600 lm		M019310FL
					M019360FL
					M019320FL

20 W/1600 lm — Efficiency 62% α=2x7°



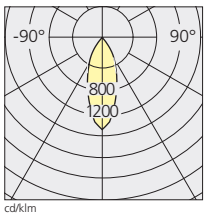
H m	Ø m	EMax lux	EM lux
1	0,28	7906	3858
2	0,56	1976	964
3	0,84	878	429
4	1,12	494	241
5	1,41	316	154

20 W/1600 lm — Efficiency 63% α=2x12°



H m	Ø m	EMax lux	EM lux
1	0,41	4113	1940
2	0,83	1028	485
3	1,24	457	216
4	1,66	257	121
5	2,07	165	78

20 W/1600 lm — Efficiency 82% α=2x20°



H m	Ø m	EMax lux	EM lux
1	0,67	2355	1008
2	1,35	589	252
3	2,02	262	112
4	2,69	147	63
5	3,37	94	40

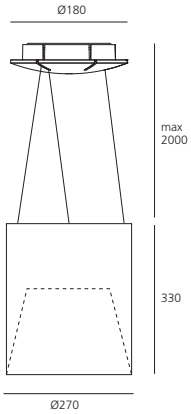
Tagora suspension 270 LED

Black/Orange | Gray/White | Beige/White

LED

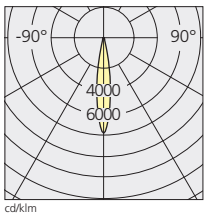
W (Led)	Weight	Beam	Flux	CCT	Color	Dali-SwitchDim Code
36 W	2,68kg	2x8°	2072 lm	3000 K		M249611
						M249661
						M249621
			2217 lm	4000 K		M249711
						M249761
						M249721
		2x18°	1900 lm	3000 K		M249811
						M249861
						M249821
			2032 lm	4000 K		M249911
						M249961
						M249921

IP20
960°



Tagora 270 LED 2x8°	LED		luminaire	
Power	31 W	31 W	36 W	36 W
Flux	3454 lm	3695 lm	2072 lm	2217 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (min.)			
Color tolerance	MacAdam 3SDCM			
Service life	L70(6K) > 36000h			
Beam			2x8°	2x8°
Efficiency			60%	60%
Efficacy	111 lm/W	119 lm/W	57 lm/W	62 lm/W

36 W

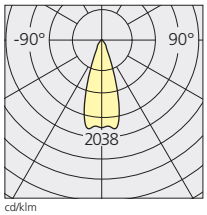


cd/klm

3000 K			α=2x8°	4000 K			α=2x8°
H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
1	0,28	15922	7756	1	0,28	17037	8299
2	0,57	3981	1939	2	0,57	4259	2075
3	0,85	1769	862	3	0,85	1893	922
4	1,14	995	485	4	1,14	1065	519
5	1,42	637	310	5	1,42	681	332

Tagora 270 LED 2x18°	LED		luminaire	
Power	31 W	31 W	36 W	36 W
Flux	3454 lm	3695 lm	1900 lm	2032 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (min.)			
Color tolerance	MacAdam 3SDCM			
Service life	L70(6K) > 36000h			
Beam			2x18°	2x18°
Efficiency			55%	55%
Efficacy	111 lm/W	119 lm/W	52 lm/W	56 lm/W

36 W



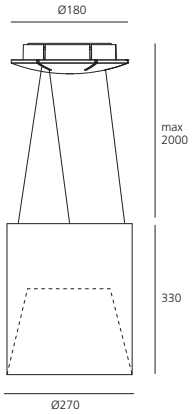
cd/klm

3000 K			α=2x18°	4000 K			α=2x18°
H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
1	0,67	3872	1694	1	0,67	4143	1812
2	1,33	968	423	2	1,33	1036	453
3	2,00	430	188	3	2,00	460	201
4	2,66	242	106	4	2,66	259	113
5	3,33	155	68	5	3,33	166	72

Tagora suspension 270 HIT/Fluo

Black/Orange | Gray/White | Beige/White

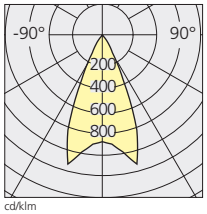
IP20
960°



HIT-CE (G12)

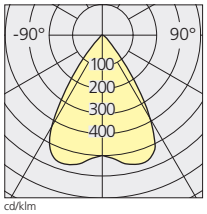
W	Weight	Beam	Flux	Color	Code
70 W	2,64 kg	2x23°	6600 lm		M019610
					M019660
					M019620
		2x33°	6600 lm		M019710
					M019760
					M019720

70 W/6600 lm — Efficiency 67% α=2x23°



H m	Ø m	EMax lux	EM lux
1	0,86	5928	2883
2	1,72	1482	721
3	2,58	659	320
4	3,45	370	180
5	4,31	237	115

70 W/6600 lm — Efficiency 71% α=2x33°

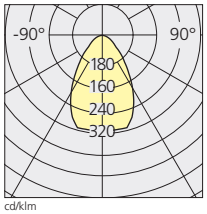


H m	Ø m	EMax lux	EM lux
1	1,35	2553	1294
2	2,70	638	324
3	4,05	284	144
4	5,40	160	81
5	6,75	102	52

TC-DEL (G24q-3)

W	Weight	Beam	Flux	Color	Code (non dimmable)	Code (Dali-SwitchDim)
2x26 W	2,38 kg	2x35°	3600 lm		M019510	M019511
					M019560	M019561
					M019520	M019521

2x26 W/3600 lm — Efficiency 46% 2x35°

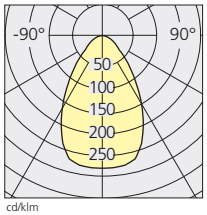


H m	Ø m	EMax lux	EM lux
1	1,37	1091	307
2	2,75	273	77
3	4,12	121	34
4	5,50	68	19
5	6,87	44	12

TC-TEL (GR14q-1)

W	Weight	Beam	Flux	Color	Code (non dimmable)	Code (Dali-SwitchDim)
2x17 W	2,38 kg	2x33°	3000 lm		M019410	M019411
					M019460	M019461
					M019420	M019421

2x17 W/3000 lm — Efficiency 40% 2x33°



H m	Ø m	EMax lux	EM lux
1	1,31	702	206
2	2,62	176	52
3	3,93	78	23
4	5,24	44	13
5	6,54	28	8

Tagora suspension 570 LED

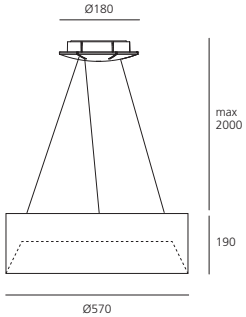
Black/Orange | Gray/White | Beige/White

LED Direct emission

W (Led)	Weight	Beam	Flux	CCT	Color	Code
46 W	6,80 kg	2x51°	2175 lm	3000 K		M249211
						M249261
						M249221
			2316 m	4000 K		M249311
						M249361
						M249321

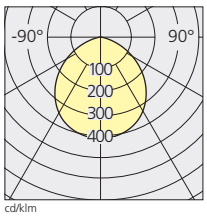
Dali-SwitchDim

IP40
650°



Tagora 570 LED	LED		luminaire	
Power	40 W	40 W	46 W	46 W
Flux	4840 lm	5200 lm	2175 lm	2316 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (typ.)			
Color tolerance	MacAdam 4SDCM			
Service life	L70(6K) > 36000h			
Beam			2x51°	2x51°
Efficiency			45%	45%
Efficacy	121 lm/W	130 lm/W	47 lm/W	50 lm/W

46 W



3000 K α=2x51°				4000 K α=2x51°			
H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
1	2,52	884	106	1	2,52	942	113
2	5,05	221	27	2	5,05	235	28
3	7,57	98	12	3	7,57	105	13
4	10,09	55	7	4	10,09	59	7
5	12,62	35	4	5	12,62	38	5

Tagora suspension 570 Fluo

Black/Orange | Gray/White | Beige/White

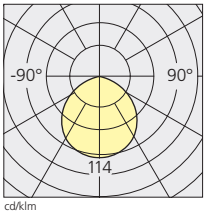
TC-LEL (2G11) Direct emission

W	Weight	Beam	Flux	Color	non dimmable Code	+ emergency 1h Code
4x36 W	6,70 kg	2x53°	11600 lm		M016810	M016817
					M016860	M016867
					M016820	M016827

Dali-SwitchDim

Color	Code
	M016811
	M016861
	M016821

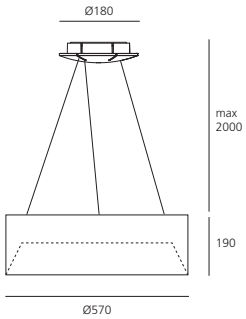
4x36 W/11600 lm — Efficiency 30% — 2x53°



cd/klm

H m	Ø m	EMax lux	EM lux
1	2,58	1364	157
2	5,16	341	39
3	7,74	152	17
4	10,31	85	10
5	12,89	55	6

IP40 ⏚ — 650°



TC-LEL (2G11) Direct + indirect emission

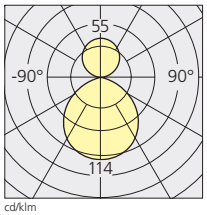
W	Weight	Beam	Flux	Color	non dimmable Code	+ emergency 1h Code
4x36 W	6,70 kg	2x53°	11600 lm		M016910	M016917
					M016960	M016967
					M016920	M016927

Dali-SwitchDim

Color	Code
	M016911
	M016961
	M016921

Single power supply for both direct and indirect emission..

4x36 W/11600 lm — Efficiency 41% — 2x53°



cd/klm

H m	Ø m	EMax lux	EM lux
1	2,66	1239	135
2	5,33	310	34
3	7,99	138	15
4	10,65	77	8
5	13,32	50	5

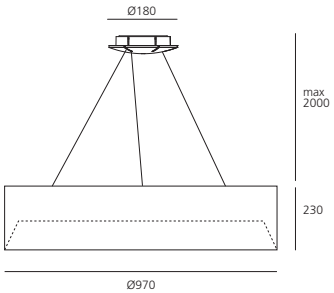
Tagora suspension 970 LED

Black/Orange | Gray/White | Beige/White

LED Direct emission

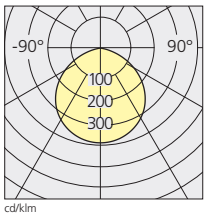
W (Led)	Weight	Beam	Flux	CCT	Color	Dali-SwitchDim Code
116 W	21,50 kg	2x51°	6171 lm	3000 K		M248811
						M248861
						M248821
			6630 lm	4000 K		M248911
						M248961
						M248921

IP40
650°



Tagora 970 LED	LED direct		luminaire direct	
Power	100 W	100 W	116 W	116 W
Flux	12100 lm	13000 lm	6171 lm	6630 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (typ.)			
Color tolerance	MacAdam 4SDCM			
Service life	L70(6K) > 36000h			
Beam			2x51°	2x51°
Efficiency			51%	51%
Efficacy	121 lm/W	130 lm/W	53 lm/W	57 lm/W

116 W



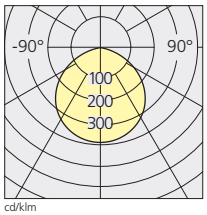
3000 K α=2x51°				4000 K α=2x51°			
H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
1	2,82	2327	225	1	2,82	2492	240
2	5,65	582	56	2	5,65	623	60
3	8,47	259	25	3	8,47	277	27
4	11,30	145	14	4	11,30	156	15
5	14,12	93	9	5	14,12	100	10

LED Direct + indirect emission

W	Weight	Beam	Flux	CCT	Color	Dali-SwitchDim Code
116 W	21,50 kg	2x51°	6171 lm	3000 K		M250811
+38 W			+3408 lm			M250861
						M250821
			6630lm	4000 K		M250911
			+3552 lm			M250961
						M250921

Tagora 970 LED	LED direct		luminaire direct	
Power	100 W	100 W	116 W	116 W
Flux	12100 lm	13000 lm	6171 lm	6630 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (typ.)			
Color tolerance	MacAdam 4SDCM			
Service life	L70(6K) > 36000h			
Beam			2x51°	2x51°
Efficiency			51%	51%
Efficacy	121 lm/W	130 lm/W	53 lm/W	57 lm/W

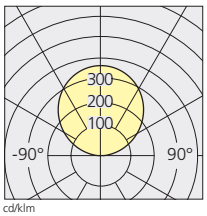
116 W



3000 K α=2x51°				4000 K α=2x51°			
H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
1	2,82	2327	225	1	2,82	2492	240
2	5,65	582	56	2	5,65	623	60
3	8,47	259	25	3	8,47	277	27
4	11,30	145	14	4	11,30	156	15
5	14,12	93	9	5	14,12	100	10

	LED indirect		luminaire indirect	
Power	32W	32W	38 W	38 W
Flux	4260 lm	4440 lm	3408 lm	3552 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (typ.)			
Color tolerance	MacAdam 3SDCM			
Service life	L70(6K) > 36000h			
Beam				
Efficiency			80%	80%
Efficacy	131 lm/W	137 lm/W	89 lm/W	93 lm/W

38 W



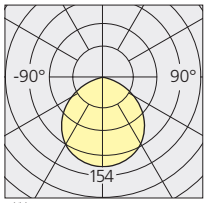
Tagora suspension 970 Fluo

Black/Orange | Gray/White | Beige/White

T16 (G5) Direct emission

W	Weight	Beam	Flux	Color	non dimmable Code	Dali-SwitchDim Code
4x24 W + 4x39 W	21,00 kg	2x56°	19400 lm		M019910	M019911
					M019960	M019961
					M019920	M019921

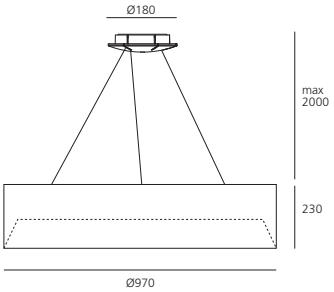
4x24W+4x39W/19400 lm **Efficiency 43%** 2x56°



cd/klm

H m	Ø m	EMax lux	EM lux
1	2,98	2978	258
2	5,95	745	65
3	8,93	331	29
4	11,91	186	16
5	14,88	119	10

IP40 ⏚ 650°

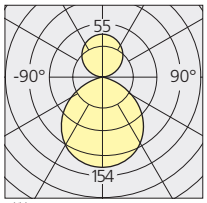


T16 (G5) Direct + indirect emission

W	Weight	Beam	Flux	Color	non dimmable Code	Dali-SwitchDim Code
4x24 W + 4x39 W	21,00 kg	2x56°	19400 lm		M020110	M020111
					M020160	M020161
					M020120	M020121

Single power supply for both direct and indirect emission.

4x24W+4x39W/19400 lm **Efficiency 59%** 2x56°



cd/klm

H m	Ø m	EMax lux	EM lux
1	2,98	2978	258
2	5,95	745	65
3	8,93	331	29
4	11,91	186	16
5	14,88	119	10

left and previous page
Tagora 970 suspension
Tagora 270 / 80 ceiling
BASF Lukids - Ludwigshafen (Germany)
Arch: Sander Hofrichter
Photo: Lioba Schneider

Ourea 156 LED

Studio Artemide

2013

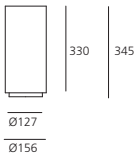
Ourea LED is an extremely effective down light through the use of high-output LEDs and unique optic system, providing well defined, narrow beams.

Ourea 156 LED ceiling

White

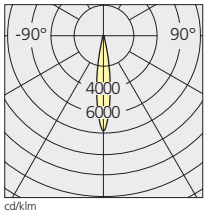
LED						non dimmable	Dali-SwitchDim
W	Weight	Beam	Flux	CCT	Color	Code	Code
36 W	2,95 kg	2x8°	2072 lm	3000 K		M174220	M174221
			2217 lm	4000 K		M174320	M174321
		2x18°	1900 lm	3000 K		M175820	M175821
			2032 lm	4000 K		M175920	M175921

IP20 ⏚ 850°



Ourea 156 Led	LED		luminaire	
Power	31 W	31 W	36 W	36 W
Flux	3454 lm	3695 lm	2072 lm	2217 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (min.)			
Color tolerance	MacAdam 3SDCM			
Service life	L70(6K) > 36000h			
Beam			2x8°	2x8°
Efficiency			60%	60%
Efficacy	111lm/W	119lm/W	57 lm/W	62 lm/W

36 W

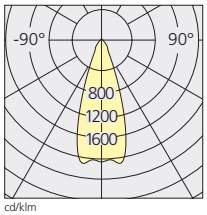


cd/klm

3000 K			α=2x8°	4000 K			α=2x8°
H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
1	0,28	15922	7756	1	0,28	17037	8299
2	0,57	3981	1939	2	0,57	4259	2075
3	0,85	1769	862	3	0,85	1893	922
4	1,14	995	485	4	1,14	1065	519
5	1,42	637	310	5	1,42	681	332

	LED		luminaire	
Power	31 W	31 W	36 W	36 W
Flux	3454 lm	3695 lm	1900 lm	2032 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	>80 (min.)			
Color tolerance	MacAdam 3SDCM			
Service life	L70(6K) > 36000h			
Beam			2x18°	2x18°
Efficiency			55%	55%
Efficacy	111lm/W	119lm/W	52 lm/W	56 lm/W

36 W



cd/klm

3000 K			α=2x18°	4000 K			α=2x18°
H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
1	0,67	3872	1694	1	0,67	4143	1812
2	1,33	968	423	2	1,33	1036	453
3	2,00	430	188	3	2,00	460	201
4	2,66	242	106	4	2,66	259	113
5	3,33	155	68	5	3,33	166	72

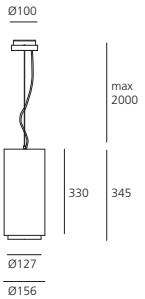
- High-output LED ceiling light fitting.
- Aluminium body.
- Beam angles: 2x8°, 2x18°.
- Well defined, narrow beams thanks to an hybrid optic system.
- Available in warm white (3000K) and neutral white (4000K) – RA=80.
- Electronic or dimmable electronic driver.
- Steel suspension cables allowing quick adjustment.
- Compliant to standard EN62471, EN60598-1 and other specific regulations.

Ourea 156 LED suspension

White

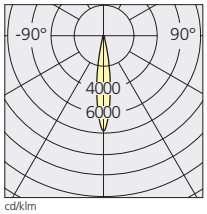
LED						non dimmable	Dali-SwitchDim
W	Weight	Beam	Flux	CCT	Color	Code	Code
36 W	3,40 kg	2x8°	2072 lm	3000 K		M175420	M175421
			2217 lm	4000 K		M175520	M175521
		2x18°	1900 lm	3000 K		M175620	M175621
			2032 lm	4000 K		M175720	M175721

IP20 ⏚ 850°



Ourea 156 Led	LED		luminaire	
Power	31 W	31 W	36 W	36 W
Flux	3454 lm	3695 lm	2072 lm	2217 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (min.)			
Color tolerance	MacAdam 3SDCM			
Service life	L70(6K) > 36000h			
Beam			2x8°	2x8°
Efficiency			60%	60%
Efficacy	111lm/W	119lm/W	57 lm/W	62 lm/W

36 W

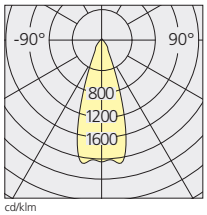


cd/klm

3000 K				α=2x8°	4000 K				α=2x8°
H m	Ø m	EMax lux	EM lux		H m	Ø m	EMax lux	EM lux	
1	0,28	15922	7756		1	0,28	17037	8299	
2	0,57	3981	1939		2	0,57	4259	2075	
3	0,85	1769	862		3	0,85	1893	922	
4	1,14	995	485		4	1,14	1065	519	
5	1,42	637	310		5	1,42	681	332	

	LED		luminaire	
Power	31 W	31 W	36 W	36 W
Flux	3454 lm	3695 lm	1900 lm	2032 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	>80 (min.)			
Color tolerance	MacAdam 3SDCM			
Service life	L70(6K) > 36000h			
Beam			2x18°	2x18°
Efficiency			55%	55%
Efficacy	111lm/W	119lm/W	52 lm/W	56 lm/W

36 W



cd/klm

3000 K				α=2x18°	4000 K				α=2x18°
H m	Ø m	EMax lux	EM lux		H m	Ø m	EMax lux	EM lux	
1	0,67	3872	1694		1	0,67	4143	1812	
2	1,33	968	423		2	1,33	1036	453	
3	2,00	430	188		3	2,00	460	201	
4	2,66	242	106		4	2,66	259	113	
5	3,33	155	68		5	3,33	166	72	

- High-output LED suspended light fitting.
- Aluminium body.
- Beam angles: 2x8°, 2x18°.
- Well defined, narrow beams thanks to an hybrid optical system.
- Available in warm white (3000K) and neutral white (4000K) – RA=80.
- Electronic or dimmable electronic driver.
- Steel suspension cables allowing quick adjustment.
- Compliant to standard EN62471, EN60598-1 and other specific regulations.

following pages

Ourea 156 LED ceiling
Centro studi dello studentato universitario di Trento
Trento (Italy)
Arch.: Studio Palerm & Tabares de Nava S.L.
Arquitectos, CLA SdS Engineering, Ing. Luca Masini,
Studio STS - Bologna, Ing. Mario Berriola,
Arch: Giulio Desiderio
Photo: Federico Villa

CLE
Grisenti
CLE

Solar LED

Eric Solé

2013

reddot design award
2013

Solar LED is a recessed light fitting producing a soft, high-output light. High efficiency and light quality are achieved by an innovative optical system based on the principles of a lighthouse. The ‘lighthouse’ optic directs all LED luminous flux to a bespoke highly-reflective surface. The light is then redirected onto the luminaire body, which is finished in a highly-efficient diffusing paint. The result is a diffused soft light emission, comfortable, with a highly efficient performance.

Solar LED

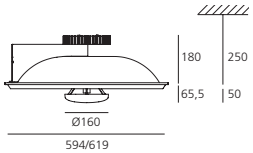
- Installation on modular false ceiling (600x600mm and 625x625mm) with visible supporting structure or, by means of a suspension kit, with concealed structure.
- Installation also possible in plasterboard ceiling through a recessing frame (available as accessory).
- Suspension kits and frames need to be ordered separately.
- Electronic power supply, or dimmable electronic power supply.
- Compliant to the standard EU60598-1 and other specific regulations.

Solar LED

Glossy white
○

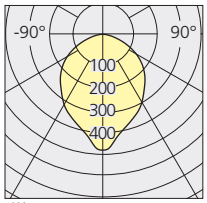
LED						non dimmable	Dali-SwitchDim
W	Weight	Ceiling	Flux	CCT	Color	Code	Code
49 W	5,46 kg	600x600 mm	2538 lm	3000 K	○	M033500	M033501
			2670 lm	4000 K	○	M033600	M033601
	5,50 kg	625x625 mm	2538 lm	3000 K	○	M033700	M033701
			2670 lm	4000 K	○	M033800	M033801

IP20 650°



Solar LED	LED		luminaire	
Power	42 W	42 W	49 W	49 W
Flux	4200 lm	4450 lm	2538lm	2670 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (min.)			
Color tolerance	MacAdam 3SDCM			
Service life	L70(6K) > 36000h			
Beam			2x46°	2x46°
Efficiency			46%	60%
Efficacy	100 lm/W	106 lm/W	60 lm/W	54 lm/W

49 W



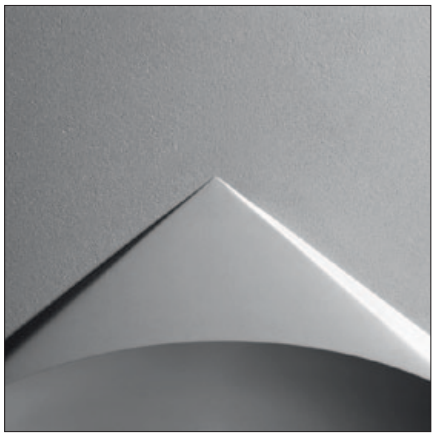
cd/klm

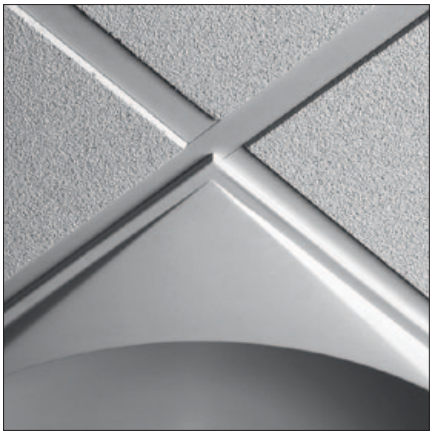
3000 K			α=2x46°	4000 K			α=2x46°
H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
1	2,09	1156	191	1	2,09	1216	201
2	4,19	289	48	2	4,19	304	50
3	6,28	128	21	3	6,28	135	22
4	8,37	72	12	4	8,37	76	13
5	10,46	46	8	5	10,46	49	8

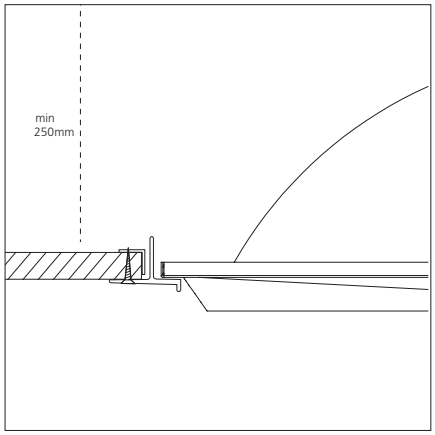
Accessories

	Code
Suspension kits (4 pieces) To be used when the false ceiling is accessed from above.	M163520
Frame for installation on plaster false ceiling 600x600 mm 606x606 mm 0,90 Kg	M160600
Frame for installation on plaster false ceiling 625x625 mm 633x633 mm 0,94 Kg	M160602

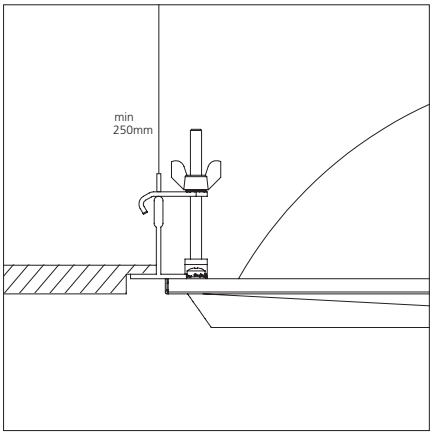
Solar LED



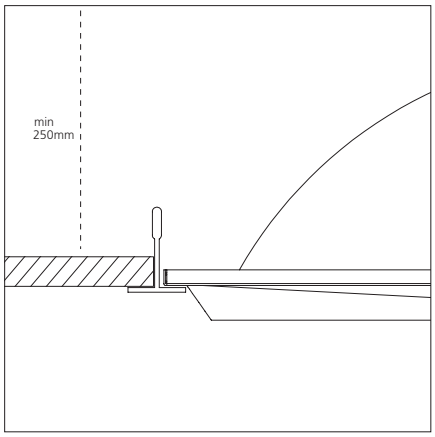




Installation on plasterboard false ceiling through recess frame. (**M160600** or **M160602**), available as accessories.



Installation on panel false ceilings 600x600 mm or 625x625 with appropriate brackets (**M163520**, to be ordered separately), on a recessed structure.



Installation on panel false ceiling 600x600 mm or 625x625 mm with exposed supporting framework.

right

Solar LED
HQ' Maserati - Modena (Italy)
Arch: Studio Architects & Designers

Chocolate terra LED

a·g Licht

2013 (LED)

product design award 2014

Chocolate Terra LED sets a new standard in office lighting in terms of ergonomics, efficiency and lighting comfort. Thanks to an innovative optic consisting of 108 micro-reflectors, the direct light is conveyed to the task area generating uniform, comfortable and glare-free lighting, compliant to EN12464-1 (UGR<19). Chocolate Terra also features an efficient indirect emission.

Chocolate terra LED

- Luminous flux distribution:

  Version 1 desk – 800x1600mm:
  Total flux produced is made of 35% direct emission and 65% indirect emission.

  Version 2 desk – 1600x1600mm:
  Total flux produced is made of 50% direct emission and 50% indirect emission.
- Available in warm white (3000K) and neutral white (4000K).
  CRI (indirect)= 80 (min). CRI (direct)=80 (typ).
- Two options of light management: dimmable with manual independent control of direct and indirect emission, or Interactive DALI system offering automatic control of illuminance on the working plane. A single button allows you to set the desired illuminaice with Interactive DALI option.
- 2 colours: brown and white.
- Materials: head and stem in polished aluminium, base in polished aluminium, optics in metallized plastic, diffuser in clear polycarbonate.
- Compliant to standard EN60598-1 and other specific regulations.

The aluminium profile works as heat sink to dissipate heat.

Driver and components are located in the central compartment.

The 4 LEDs located in each corner are protected by an integral anti-dust screen.

The innovative optic system, specifically made with 108 micro-reflectors, allows a dazzle-free, controlled and concentrated light emission for single workspaces (800x1600mm, 1-desk version) or double workspaces (1600x1600mm, 2-desk version).

Chocolate terra LED 1-desk

Chocolate terra LED 2-desk

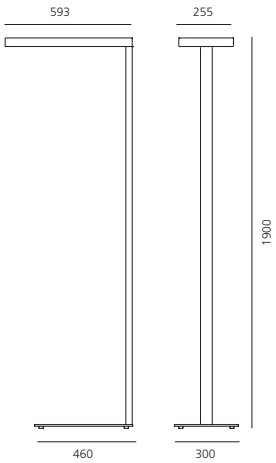
Chocolate terra LED

Chocolate terra LED

Brown ● White ○

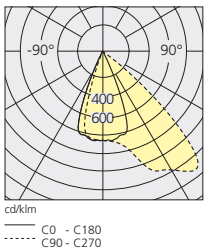
LED 1 desk					dimmable	interactive Dali
W	Weight	Flux	CCT	Color	Code	Code
27 W	14 kg	1532 lm	3000 K	●	M036211	M036216
+ 50 W		+ 3526 lm		○	M036221	M036226
		1647 lm	4000 K	●	M036311	M036316
		+ 3773 lm		○	M036321	M036326

IP20 ⏚



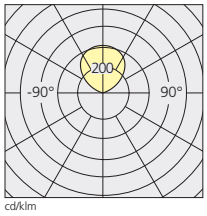
Chocolate terra 1 desk	LED direct		luminaire direct	
Power	23 W	23 W	27 W	27 W
Flux	2432 lm	2614 lm	1532 lm	1647 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	>80 (min.)		>80 (min.)	
Color tolerance	MacAdam 4SDCM			
Service life	L70(6K) > 36000h			
Efficiency			63%	63%
Efficacy	105 lm/W	113 lm/W	57 lm/W	61 lm/W

27 W

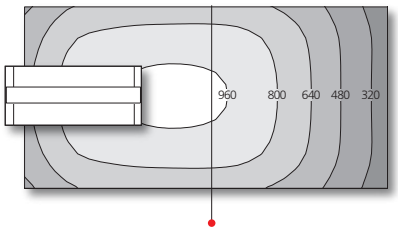


	LED indirect		luminaire indirect	
Power	43 W	43 W	50 W	50 W
Flux	4446 lm	4757 lm	3526 lm	3773 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	>80 (min.)		>80 (min.)	
Color tolerance	MacAdam 3SDCM			
Service life	L70(6K) > 36000h			
Efficiency			79%	79%
Efficacy	103 lm/W	111 lm/W	71 lm/W	75 lm/W

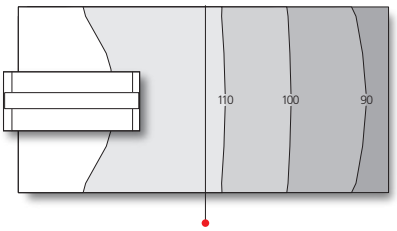
50 W



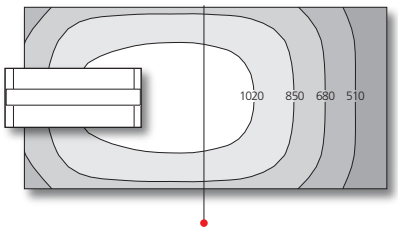
Direct emission



Indirect emission



Double emission



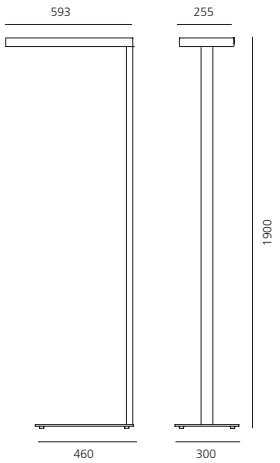
● UGR < 19 transversely to a table

Chocolate terra LED

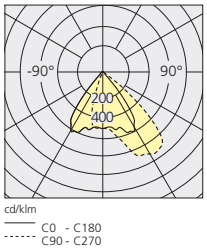
Brown ● White ○

LED 2 desk					dimmable	interactive Dali
W	Weight	Flux	CCT	Color	Code	Code
43W	14 kg	2756 lm	3000 K	●	M036411	M036416
+50 W		+ 3526 lm		○	M036421	M036426
		2963 lm	4000 K	●	M036511	M036516
		+ 3773 lm		○	M036521	M036526

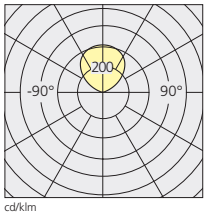
IP20 ⏚



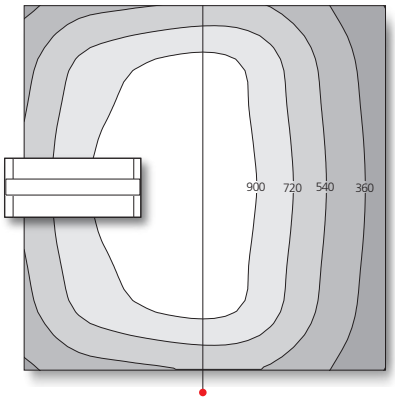
Chocolate terra 2 desk	LED direct		luminaire direct		43 W
Power	37 W	37 W	43 W	43 W	
Flux	4374 lm	4725 lm	2756 lm	2963 lm	
CCT	3000 K	4000 K	3000 K	4000 K	
CRI	>80 (min.)				
Color tolerance	MacAdam 4SDCM				
Service life	L70(6K) > 36000h				
Efficiency			63%	63%	
Efficacy	118 lm/W	127 lm/W	64 lm/W	69 lm/W	



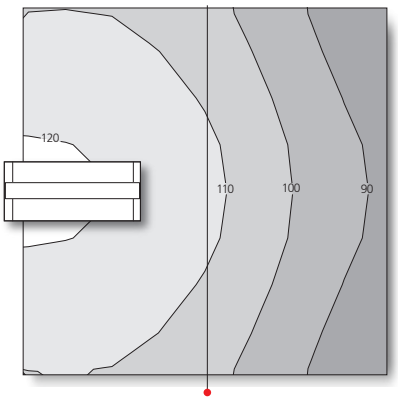
	LED indirect		luminaire indirect		50 W
Power	43 W	43 W	50 W	50 W	
Flux	4446 lm	4757 lm	3526 lm	3773 lm	
CCT	3000 K	4000 K	3000 K	4000 K	
CRI	>80 (min.)				
Color tolerance	MacAdam 3SDCM				
Service life	L70(6K) > 36000h				
Efficiency			79%	79%	
Efficacy	103 lm/W	111 lm/W	71 lm/W	75 lm/W	



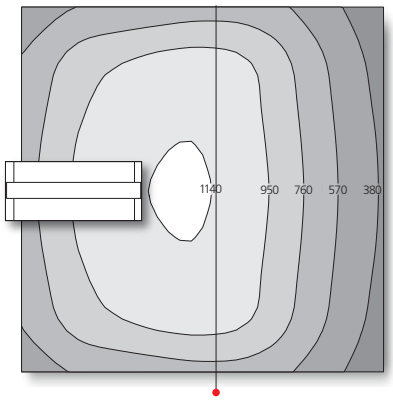
Direct emission



Indirect emission



Double emission



● **UGR < 19** transversely to a table

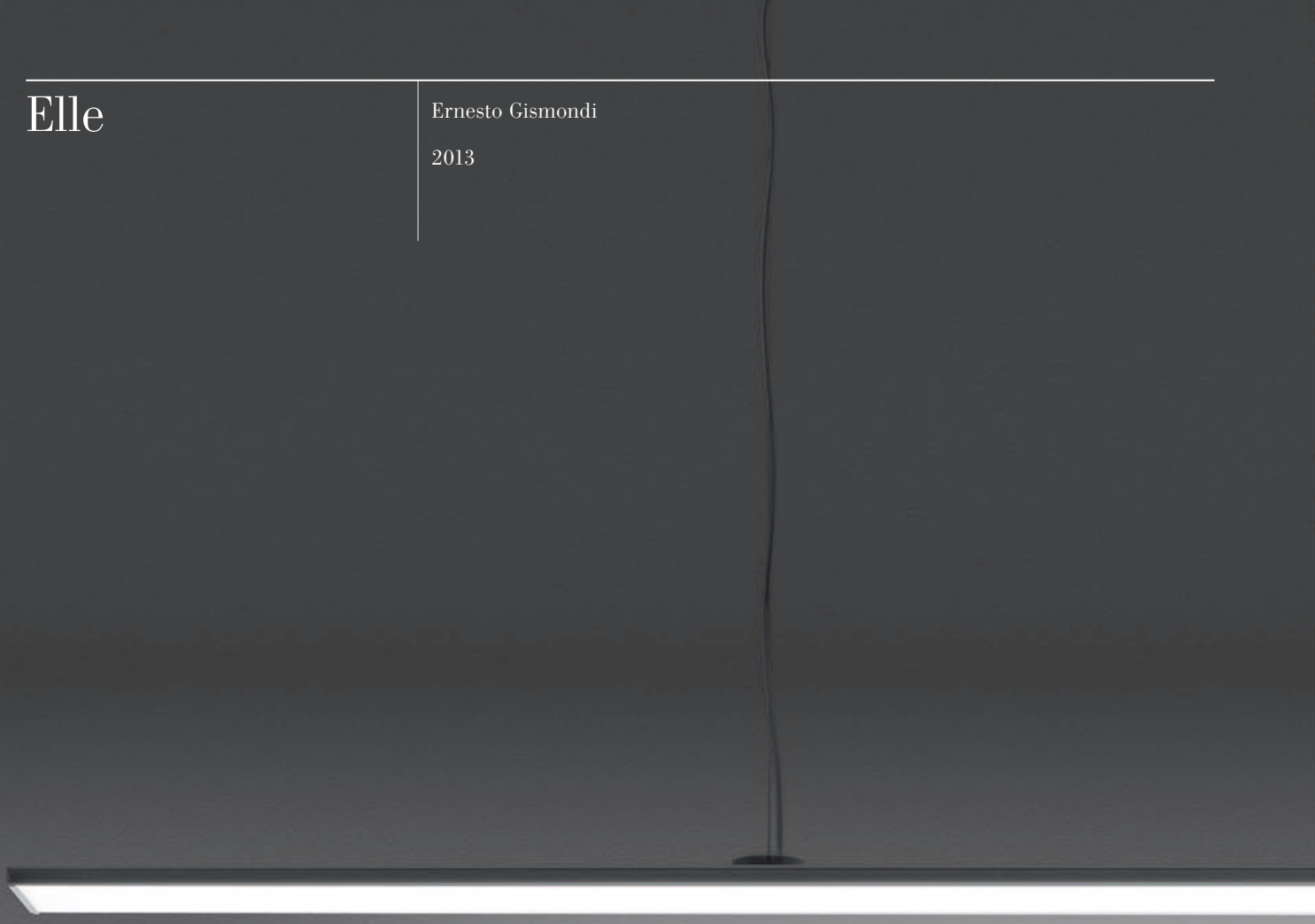
right

Chocolate terra LED
Speicher 7 - Mannheim (Germany)
Arch: Schmucker & Partner,
Planungsgesellschaft mbH
Photo: Linus Lintner

Elle

Ernesto Gismondi

2013



Elle is a light fitting using ALEF patent, employed in lighting systems in television screens. Elle features a perfectly uniform, ultra-flat, lighting surface of low-luminance, whilst at the same time providing an adequate light for domestic and work environments.

Elle

Elle Satin
3000 K
1720 lm
10 mm thickness

Elle Eye
4000 K
1650 lm
12 mm thickness

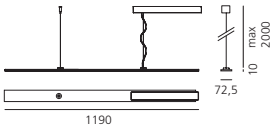
Elle Satin

Polished aluminium

LED Power supply included - push dimming

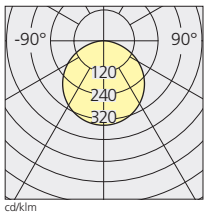
W	Weight	Flux	CCT	Color	Code
25 W	2,50 kg	1770 lm	3000 K		1642010A

IP30



Elle Satin	luminaire
Power	25 W
Flux	1770 lm
CCT	3000 K
CRI	=80 (typ.)
Color tolerance	MacAdam 7SDCM
Service life	L70(6K) > 25000h

25 W

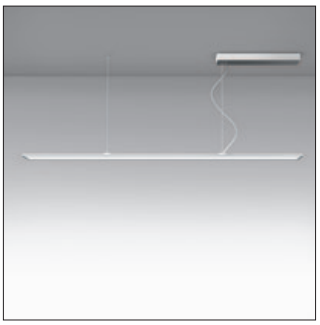


Elle Eye

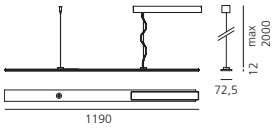
Polished aluminium

LED Power supply included - push dimming

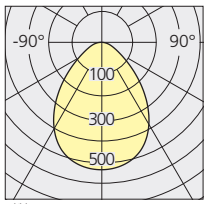
W	Weight	Flux	CCT	Color	Code
25 W	2,50 kg	1752 lm	4000 K		1644010A



IP30



Elle Eye	luminaire	25 W
Power	25 W	
Flux	1752 lm	
CCT	4000 K	
CRI	=80 (typ.)	
Color tolerance	MacAdam 7SDCM	
Service life	L70(6K) > 25000h	

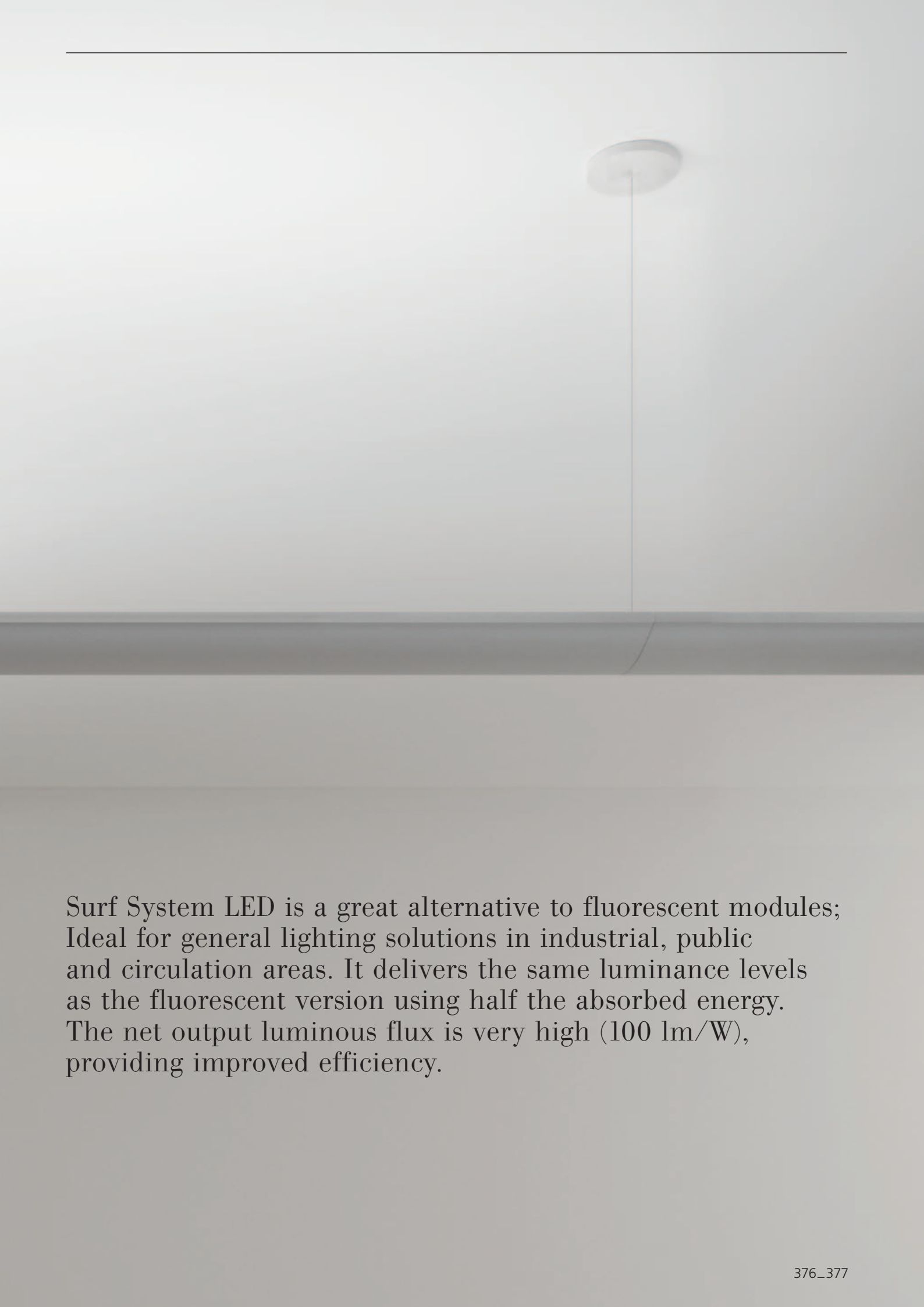


UGR < 19 2θ/2 = 82°	25 W
E_0 (h 1m)	944 lux
E_0 (h 2m)	236 lux

Surf System LED

Neil Poulton

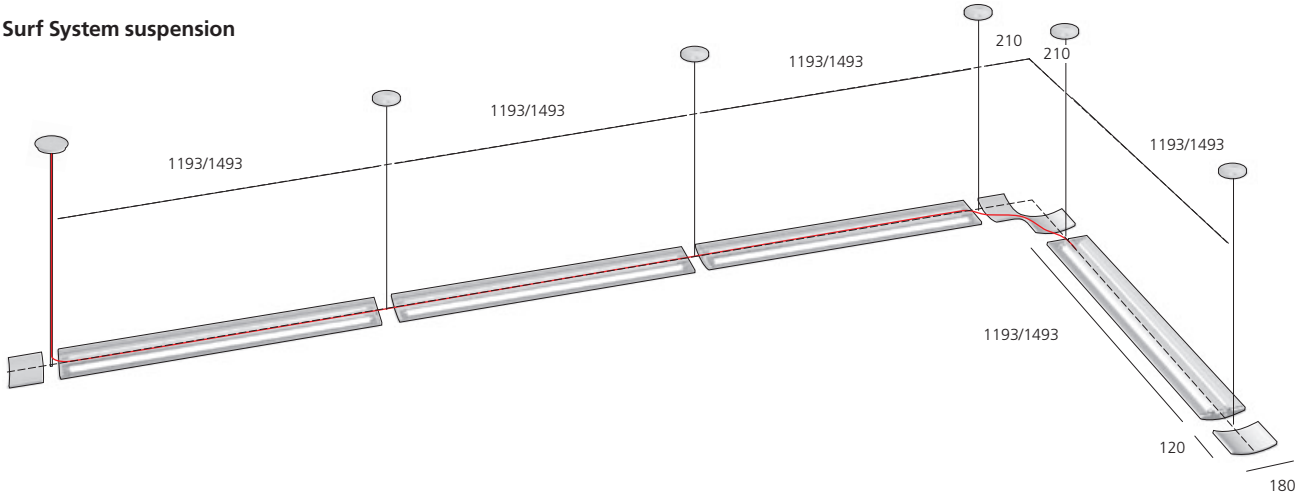
2013



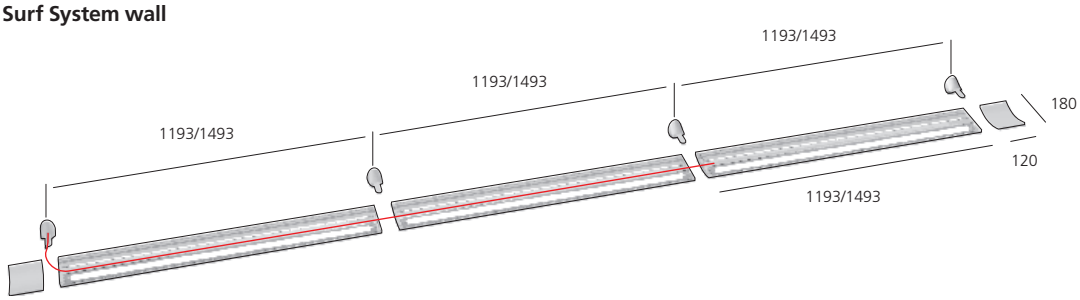
Surf System LED is a great alternative to fluorescent modules; Ideal for general lighting solutions in industrial, public and circulation areas. It delivers the same luminance levels as the fluorescent version using half the absorbed energy. The net output luminous flux is very high (100 lm/W), providing improved efficiency.

Surf System LED

Surf System suspension



Surf System wall



- High-performing LED modular system with indirect emission.
- Available in warm white (3000 K) and neutral white (4000 K) – CRI=80 (typ).
- Ceiling-mounted or suspended.
- Single installation, in line or angled (L-shaped / 90°, 2-ways, 3-ways, 4-ways).
- Non-dimmable electronic power supply, DALI dimmable or interactive DALI system, combining presence detector and daylight sensor.
- Materials: white or grey painted extruded aluminium body, extruded polycarbonate dust-protective screen.
- 'Quick'-adjustable steel suspension cables.
- Compliant to standard EN62471, EN60598-1 and other specific regulations.

right

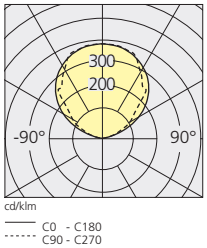
Surf System LED wall
Danese Milano Headquarters
Milano (Italy)

Surf System LED

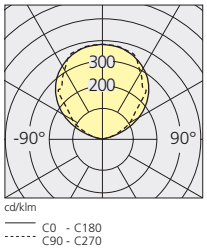
White ○ Gray ●

LED						non dimmable	Dali dimmable	Interactive-Dali
W	Lenght	Weight	Flux	CCT	Color	Code	Code	Code
52 W	1193 mm	5,10 kg	5474 lm	3000 K	○	M089620	M089621	M089626
					●	M089690	M089691	M089696
			5857 lm	4000 K	○	M089720	M089721	M089726
					●	M089790	M089791	M089796
69 W	1493 mm	5,40 kg	7299 lm	3000 K	○	M089820	M089821	
					●	M089890	M089891	
			7809 lm	4000 K	○	M089920	M089921	
					●	M089990	M089991	

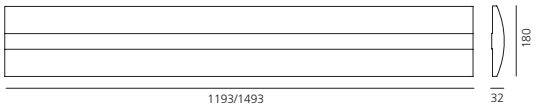
Surf system	LED		luminaire		52 W
Power	44 W	44 W	52 W	52 W	
Flux	6360 lm	6630 lm	5474 lm	5857 lm	
CCT	3000 K	4000 K	3000 K	4000 K	
CRI	=80 (typ.)				
Color tolerance	MacAdam 4SDCM				
Serivce life	L70(6K) > 36000h				
Efficiency			86%	86%	
Efficacy	144 lm/W	151 lm/W	105 lm/W	112 lm/W	



	LED		luminaire		69 W
Power	59 W	59 W	69 W	69 W	
Flux	8480 lm	8840 lm	7299 lm	7809 lm	
CCT	3000 K	4000 K	3000 K	4000 K	
CRI	=80 (typ.)				
Color tolerance	MacAdam 4SDCM				
Serivce life	L70(6K) > 36000h				
Efficiency			86%	86%	
Efficacy	144 lm/W	151 lm/W	105 lm/W	112 lm/W	

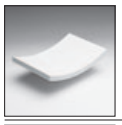


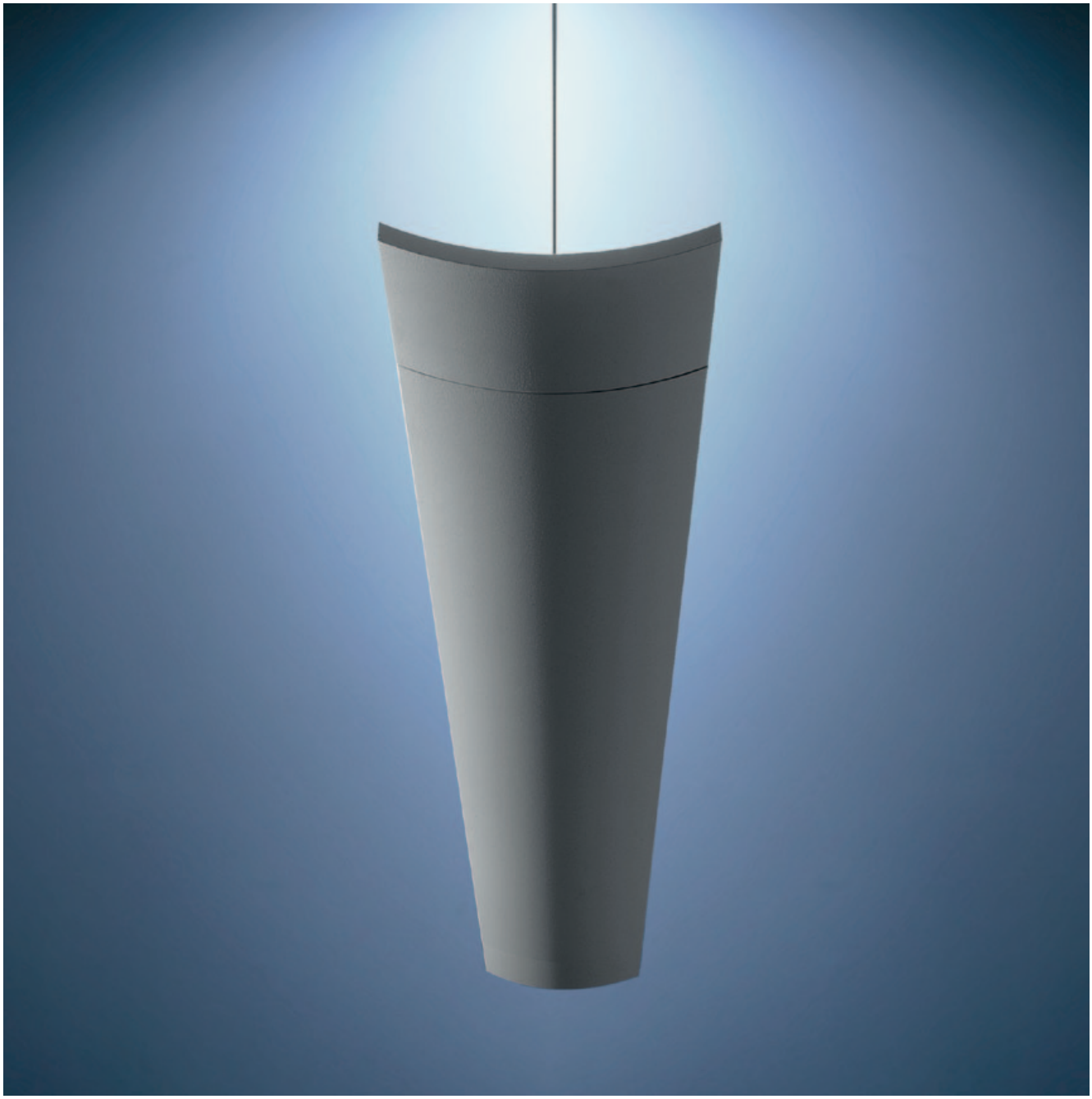
IP20 ⏚ 960°



White ○	Gray ●

Accessories

		Color	Code
	**End cap** 120x180 mm 0,70 kg	○ ●	M090220 M090290
	L-shaped connector 300x300 mm 1,50 kg	○ ●	M090320 M090390
	3-way connector 421x300 mm 2,30 kg	○ ●	M090420 M090490
	4-way connector 421x421 mm 3,00 kg	○ ●	M090520 M090590
	Steel suspension cable ceiling plate ⌀100 mm	○ ●	M090620 M090690
	3 core suspension cable (3x1,5 mm^2) ceiling plate ⌀100 mm L 1100 mm	○ ●	M090720 M090790
	5 core suspension cable (3x1,5 mm^2+2x0,5 mm^2) ceiling plate ⌀100 mm L 1100 mm	○ ●	M091820 M091890
	Wall fixing without feed 55x90 mm protusion 50 mm	○ ●	M090820 M090890
	Wall fixing with feed (3x1,5 mm^2) 55x90 mm protusion 50 mm	○ ●	M090920 M090990
	Interactive-Dali remote control		M104900
	Interactive-Dali kit ⌀86mm, white, recessed. Can be connected to a max. 11 Dali dimmable units (slave modules). Operated through an Interactive-Dali remote control or optional. ⌀72		M074030
	Recessed motion sensor for Interactive-Dali system. ⌀64		M074130



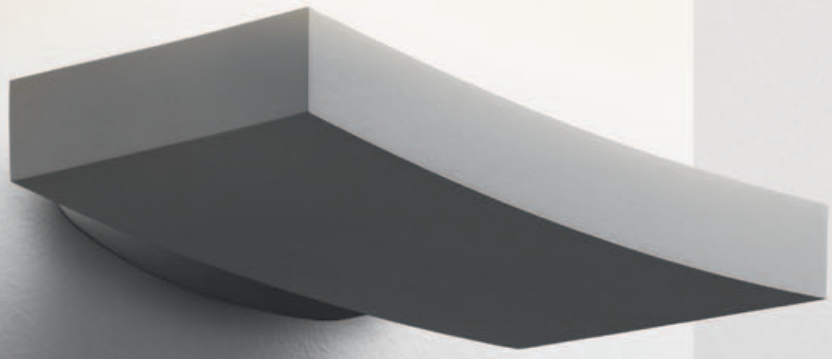
right

Surf System LED suspension
Eurizon Capital - Milan (Italy)
Arch: Silvia Suardi, Segzin Aksu
Photo: Beppe Raso

Surf wall LED

Neil Poulton

2013



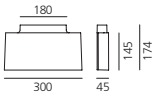
- High-performing LED wall-mounted light fitting.
- More than 3,400 lm flux installed.
- High efficiency: more than 70 lumen per watt.
- Available in warm white (3000K) and neutral white (4000K) – CRI=80 (typ).
- Materials: body in white or grey painted aluminium.
- Non-dimmable electronic power supply or dimmable Dali-SwitchDim options.
- Compliant to standard EN62471, EN60598-1 and other specific regulations.

Surf wall LED

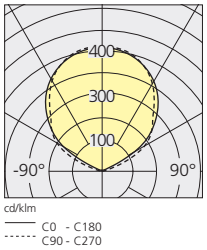
White ○ Gray ●

LED					non dimmable	Dali-SwitchDim
W	Weight	Flux	CCT	Color	Code	Code
37 W	1,40 kg	2650 lm	3000 K	○	M060120	M060121
				●	M060190	M060191
		3050 lm	4000 K	○	M060220	M060221
				●	M060290	M060291

IP20 ⏚ 960°



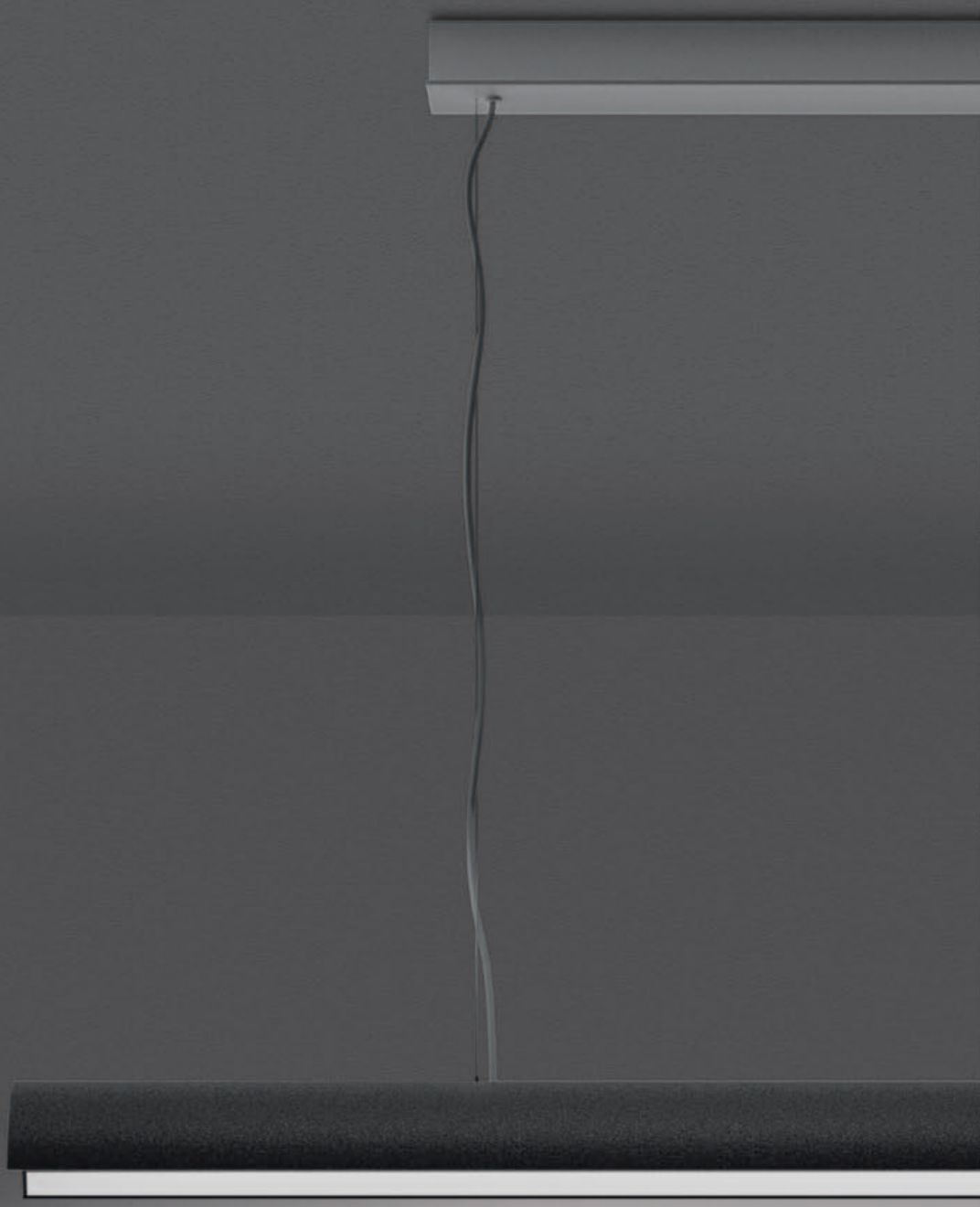
Surf wall 300	LED		luminaire		37W
Power	32 W	32 W	37 W	37 W	
Flux	3400 lm	3640 lm	2650 lm	3050 lm	
CCT	3000 K	4000 K	3000 K	4000 K	
CRI	=80 (typ.)				
Color tolerance	MacAdam 3SDCM				
Service life	L70(6K) > 36000h				
Efficiency			84%	84%	
Efficacy	106 lm/W	114 lm/W	75 lm/W	80 lm/W	



Fuso

S. & R. Cornelissen

2012



Fuso is an LED suspended light fitting ideal for office use. Light is controlled through an optical system featuring lenses and an internal reflective surface, keeping glare to a minimum. Fuso is compliant to standard EN12464-1 with UGR<19.

Fuso

- Single suspension light fitting for office use: controlled luminance, compliant to standard EN12464-1 with UGR<19.
- Available in warm white (3000K) and neutral white (4000K) – CRI=80 (typ).
- DALI or SwitchDIM dimming options. Power supply is located in the ceiling rose.
- Ceiling rose can be recessed using a kit (available as accessory).
- 2-metre steel suspension cables.
- Materials: aluminium body, end caps in thermoplastic material.
- Compliant to standard EN60598-1 and other specific regulations.

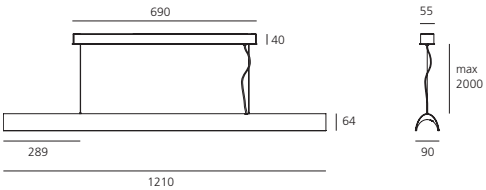
Fuso

Black/White

LED

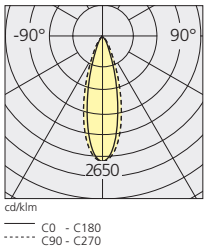
W	Weight	Beam	Flux	CCT	Color	Dali-SwitchDim Code
49 W	3,64 kg	C0-C180 2x14°	2594 lm	3000 K		M154111
		C90-C270 2x17°	2781 lm	4000 K		M154211

IP30



Fuso	LED direct		luminaire	
Power	40 W	40 W	49 W	49 W
Flux	3760 lm	3520 lm	2594 lm	2781 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (typ.)			
Color tolerance	MacAdam 4SDCM			
Service life	L70(6K) > 36000h			
Beam			C0-C180 2x14° C90-C270 2x17°	C0-C180 2x14° C90-C270 2x17°
Efficiency			69%	69%
Efficacy	94 lm/W	100 lm/W	53 lm/W	57 lm/W

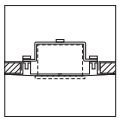
49 W



UGR < 19
2θ/2 = 28°

	3000 K	4000 K
E_0 (h 1m)	6009 lux	7004 lux
E_0 (h 2m)	1700 lux	1800 lux

Accessories



Kit for Fuso suspension
ceiling rose semi-recessed installation
Requires plaster-in finish.

730x90 mm

Code
M081200

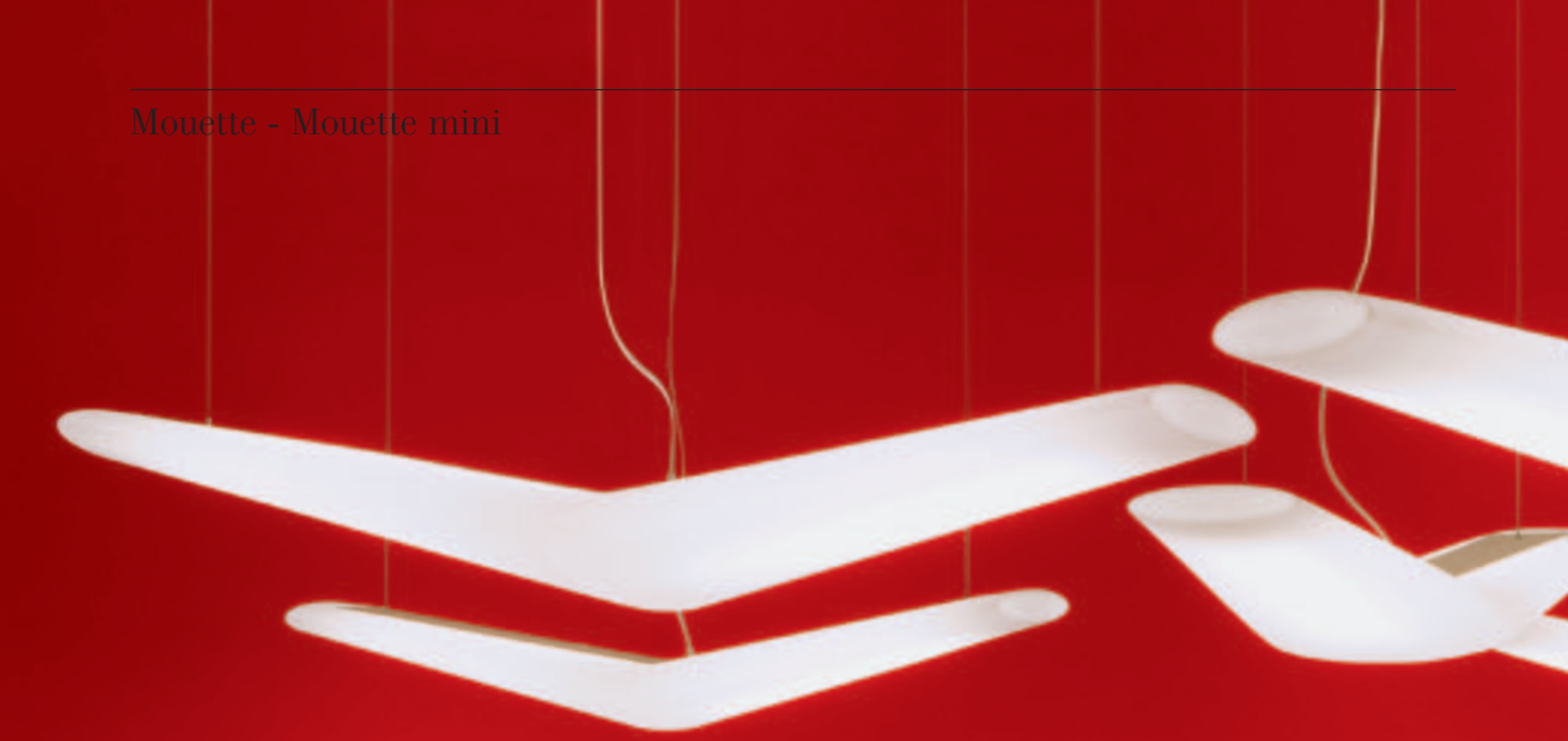
Mouette
Mouette mini

Wilmotte & Industries

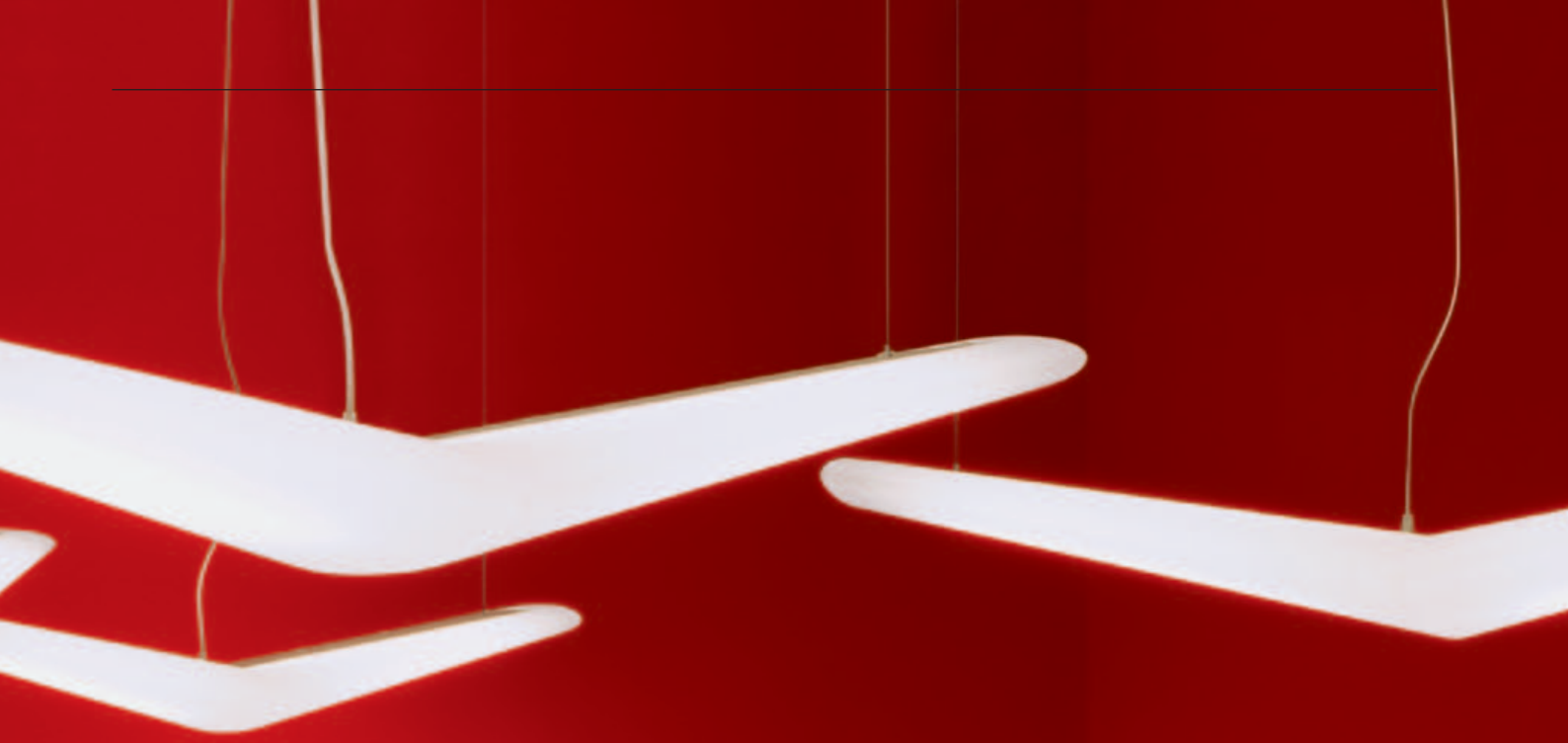
2004
2010
2013

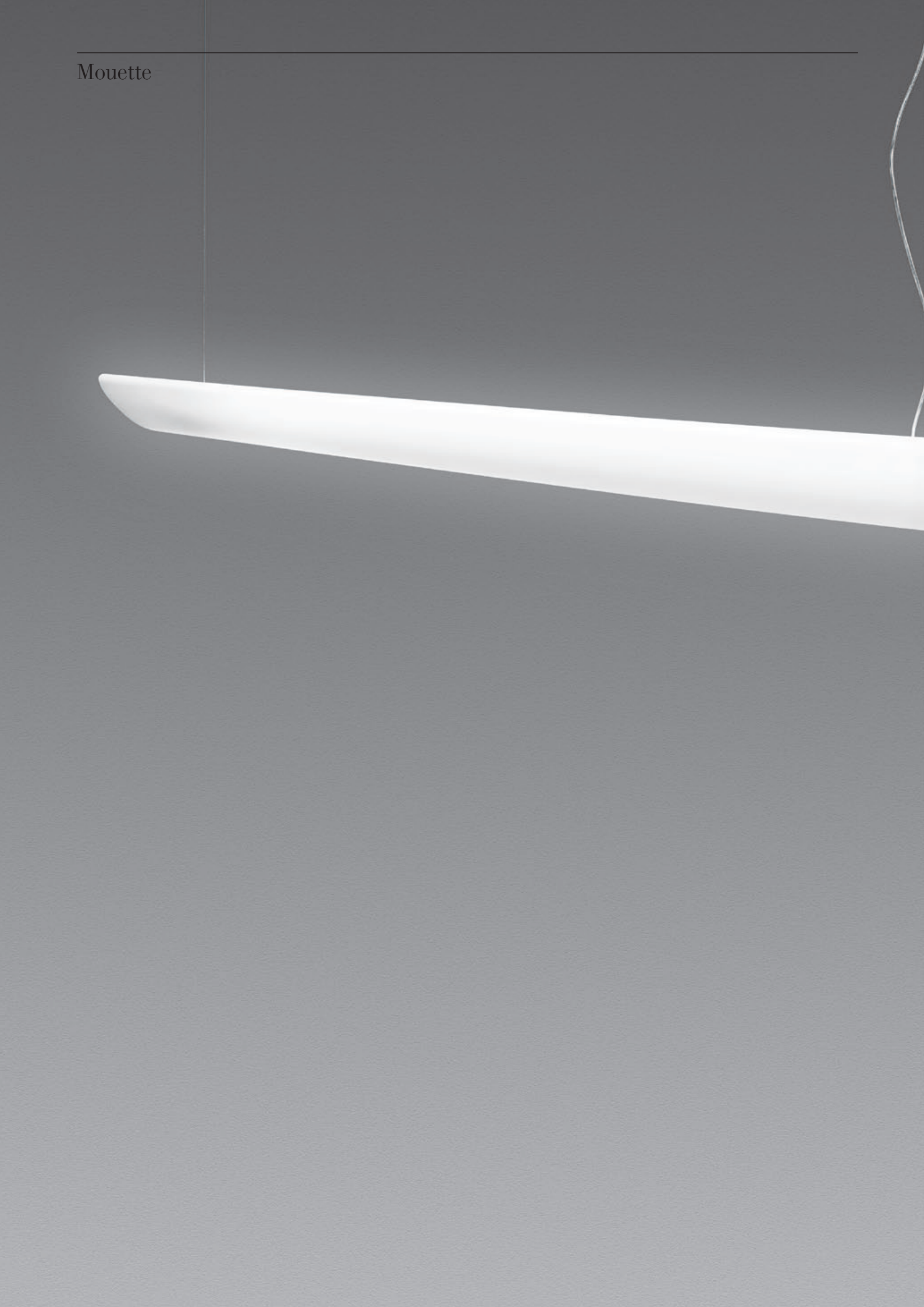
The tapered and undulating shape, enable Mouette to create a rhythm in space, while allowing freedom of installation. Its expressive surface creates impressive light shapes.

Mouette - Mouette mini



- Suspension light fitting with diffused emission using 24w and 54w T16 linear fluorescent lamps (Mouette) and 2x36w (Mouette mini).
- Versions: Mouette symmetric, Mouette asymmetric, Mouette mini.
- Solid opal diffuser in moulded polypropylene.
- Luminous flux distribution: 74% in direct emission, 26% in indirect emission.
- Mouette: electronic or integrated DSI dimmable electronic ballast.
- Mouette mini: electronic ballast in a specific power-supply holder in injection moulded thermoplastic material, located along the suspension cable.
- The upper structure of the light fitting presents an access hatch for the installation of the light sources and their replacement.
- The light fitting is equipped with quick-adjustment steel suspension cables, ceiling plate and power cable.
- Cable length: Mouette: 2m or 6m, Mouette mini: 2m.
- T16 (3000k) light sources included.
- Complies with standard EN60598-1 and other specific standards.





Mouette symmetric

Opal white

T16 (G5)				non dimmable	DSI dimmable
W	Weight	Cable lengh	Color	Code	Code
4x54 W	8,50 kg	1900mm		L864000	L864100
	8,60 kg	5900mm		L864050	L864150

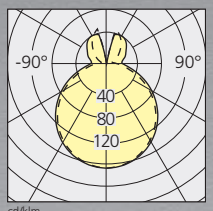
Light sources (3000K) included.

IP40/20 960°

T16 (G5)

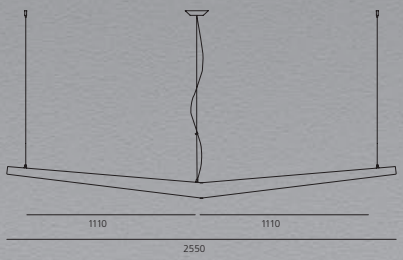
Efficiency **68%**

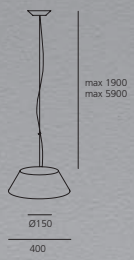
216W 19200lm



cd/klm

C0 - C180
C90 - C270





Mouette symmetric

Opal white

T16 (G5)				non dimmable	DSI dimmable
W	Weight	Cable lengh	Color	Code	Code
4x24 W	5,40 kg	1900mm		L860610	L860710
	5,50 kg	5900mm		L860650	L860750

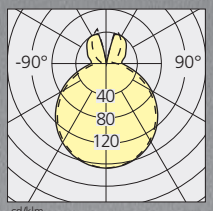
Light sources (3000K) included.

IP40/20 960°

T16 (G5)

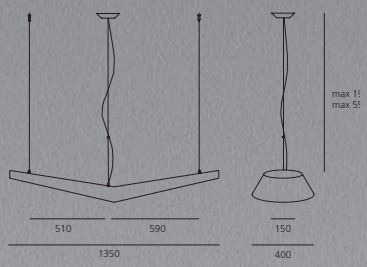
Efficiency **68%**

96W 7000lm



cd/klm

C0 - C180
C90 - C270



Mouette asymmetric

Opal white

T16 (G5)				non dimmable	DSI dimmable
W	Weight	Cable lengh	Color	Code	Code
2x24 W + 2x54 W	6,80 kg	1900mm		L860410	L860510
	6,90 kg	5900mm		L860450	L860550

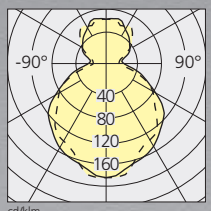
Light sources (3000K) included.

IP40/20 960°

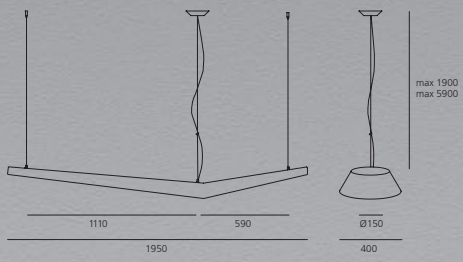
T16 (G5)

Efficiency **67%**

156W 12400lm



C0 - C180
C90 - C270



Mouette mini

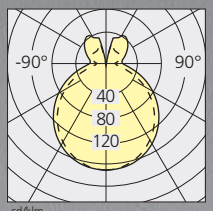
Opal white

TC-LEL (2G11)				non dimmable
W	Weight	Cable lengh	Color	Code
2x36 W	3,50 kg	1900mm		L860810

Light sources (3000K) included.

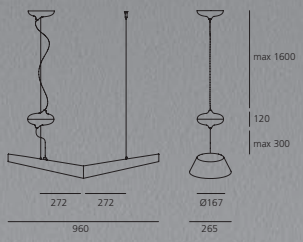
IP40/20 960°

TC-LEL (2G11)	**72W**	5600lm
Efficiency 71%		



cd/klm

C0 - C180
C90 - C270



Nothing 86 System

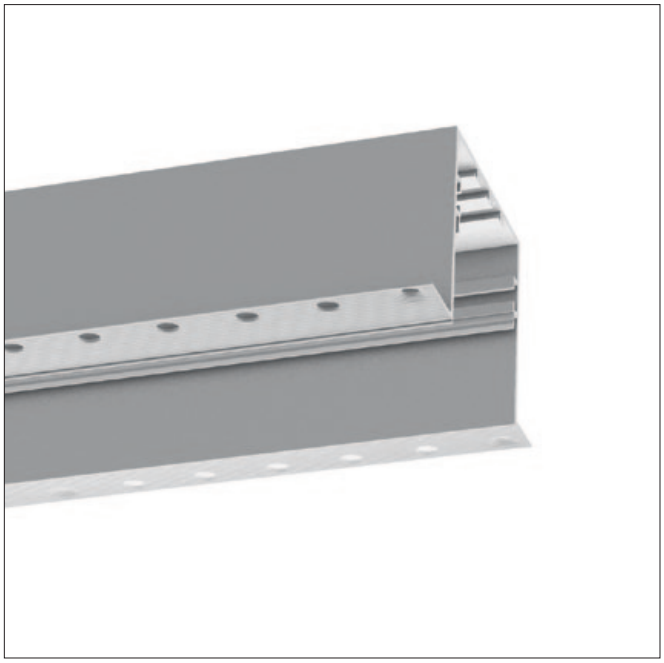
Ernesto Gismondi

2013

Nothing 86 is a versatile modular lighting system for linear diffused or dark light emissions and freely configurable accent lighting.

Nothing 86 System recessed

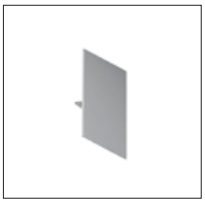
Structural modules +



Structural module
for recessed wall installation.
Trimless ring,
needs plaster finish.
End caps, angles,
intermediate connectors
and optics to be ordered
separately.

- Recessed ceiling modular system.
- Components: structural modules in extruded aluminium, pre-wired gear trays and optics.
- Structural modules available in 12 lengths (from 237 to 4736 mm) and, thanks to their flexibility, can house and freely alternate light sources.
- The original sequence can be modified overtime, allowing that the total length of the system is kept the same.
- Linear fluorescent sources with diffused or dark light emissions, white or RB LEDs with diffused emission, spot modules for accent lighting can be alternated to customize the sequence, with or without fluorescent indirect emission.
- Feeding plates with through-cabling and rapid connectors.
- To remove shadows in the joining area between 2 fluorescent lights, T16-Seamless lamps or traditional T16 fluorescent tubes with overlapping arrangements for uninterrupted light lines.
- 2 LED versions: with monochromatic warm white emissions (3000K), neutral white emission (4000K) and RGB emission.
- Same-plane angular configurations available, perpendicular angular configurations available on request.
- Compliant to standard EN60598-1 and other specific standards.

Junction components +



End caps.
(set of 2)

Intermediate connector.
(to be used for combining spotlighting modules with dark light or diffusing emission).

90° angle.
(for the mechanical connection of 2 recessed modules on the same plane).

Pre-wired gear trays +

Pre-wired gear tray
for white LED direct
diffused emission.
Integrated
MV through-wiring.

Pre-wired gear tray
for white RGB LED direct
diffused emission.
Integrated
LV through-wiring.

Pre-wired gear tray
for fluorescent T16 tubes.
Diffused direct emission.
Integrated
MV through-wiring.

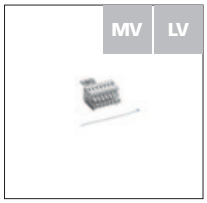
Pre-wired gear tray
for fluorescent T16 tubes.
Dark light diffused
direct emission.
Integrated
MV through-wiring.

Pre-wired gear tray for
fluorescent T16-SLS tubes.
Diffused direct emission.
Integrated
MV through-wiring.

Accent modules.

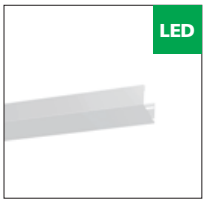
Electrical components +

Supplementary
through-wiring (Optional).
To be used in configuration
with LV and MV pre-cabled
gear trays.



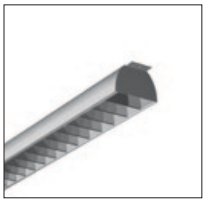
Power supply kit.

Optical system +



Opal diffuser in polycarbonate
for LED diffused versions.

Opal PMMA diffuser
for fluorescent versions.



Dark light optics
for fluorescent versions.

Closing / joining screens +

Junction to be fitted
to the module
on the same plane.

LED power supplies and control systems

Electronic power supply
unit. IP67.

Control interface:
IP20 and IP67.
Allows management
of groups of LV fittings.

previous pages

Nothing 86 System
Atelier Eera - Cavaion veronese (Italy)
Arch: Alberto Salvadori
Photo: Marco Zanta

Structural modules	Length	
	237 mm	1L
	474 mm	2L
	710 mm	3L
	947 mm	4L
	1184 mm	5L
	1421 mm	6L
	2368 mm	10L
	2605 mm	11L
	4736 mm	20L
	1170 mm	1DL
	2340 mm	2DL
	4680 mm	4DL

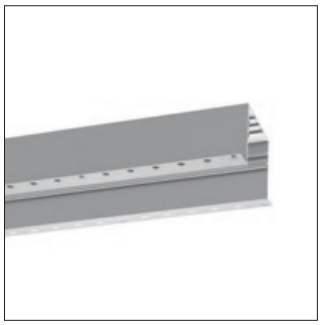
Pre-wired gear trays		Length	
	Accent module	237 mm	1L
	LED pre-wired gear tray	1184 mm	5L
	LED pre-wired gear tray	2368 mm	10L
	T16-SLS diffused pre-wired gear tray	1184 mm	5L
	Piastra Fluo diffondente T16	1421 mm	6L
	Piastra Fluo dark-light T16 (singola)	1170 mm	1DL
	Piastra Fluo dark-light T16 (doppia)	2340 mm	2DL

Optics		Length	
	Diffusor for LED or Fluo	1184 mm	5L
	Diffusor for LED or Fluo	1421 mm	6L
	Diffusor for LED or Fluo	2368 mm	10L
	Diffusor for LED or Fluo	2605 mm	11L
	Diffusor for LED or Fluo	4736 mm	20L
	Dark light Fluo Optic	1170 mm	1DL

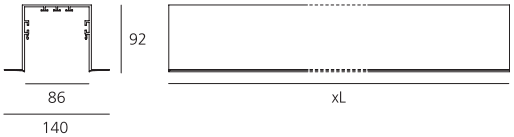
	White	Gloss anodized
	○	◑

Structural module

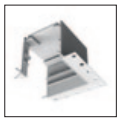
Lenght		Color	Code
237 mm	1L	○	M230000
474 mm	2L	○	M230100
710 mm	3L	○	M230200
947 mm	4L	○	M230300
1184 mm	5L	○	M230400
1421 mm	6L	○	M230500
2368 mm	10L	○	M230600
2605mm	11L	○	M230700
4736 mm	20L	○	M230800
1170 mm	1DL	○	M230900
2340 mm	2DL	○	M231000
4680 mm	4DL	○	M231100

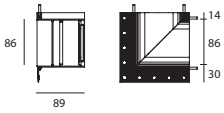


100x(ΣL+10 mm)

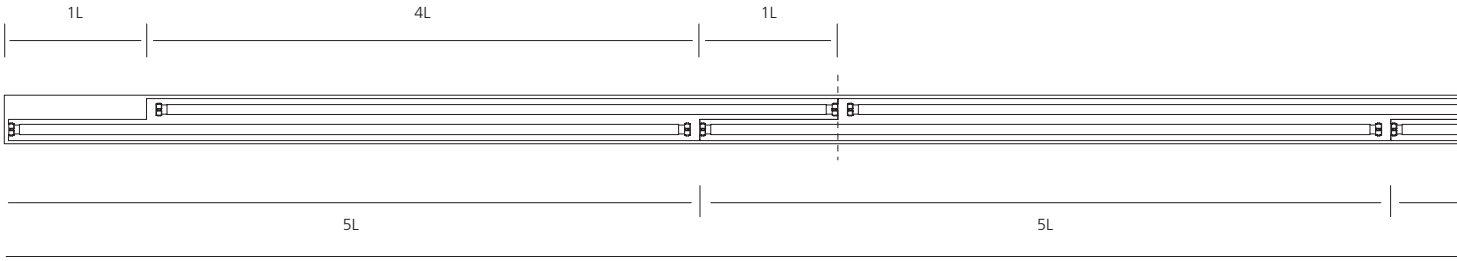


Accessories

	Color	Code
End caps (set of 2)		M232400
Intermediate joint Used to connect accent lighting modules to dark light or diffused modules.	○ ●	M194620 M194660
 **90° joint** To connect two recessed modules on the same plane.		M181700

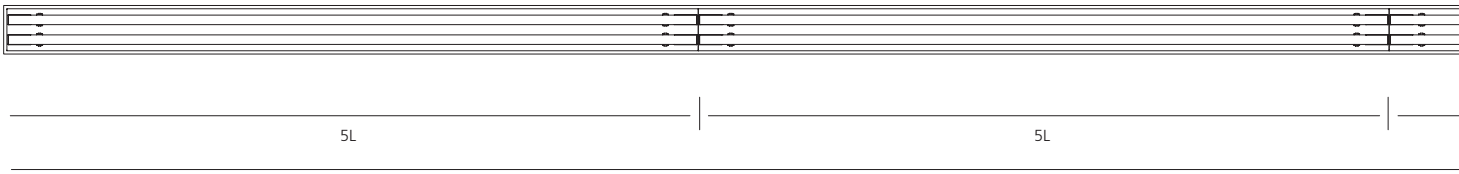


Line with fluorescent T16- diffuser modules



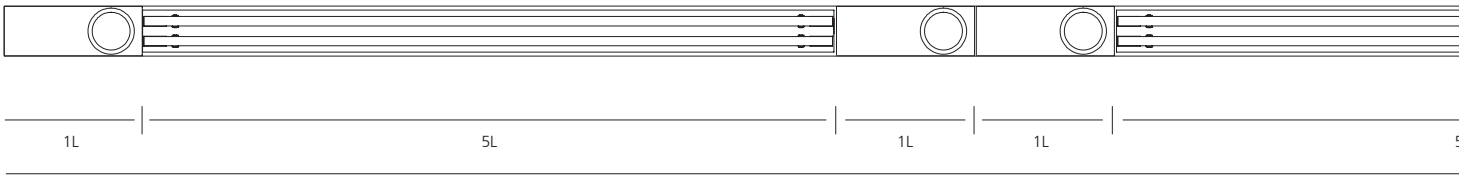
= (20L+1L) o (10L+11L)

Line with fluorescent T16-SLS diffuser modules

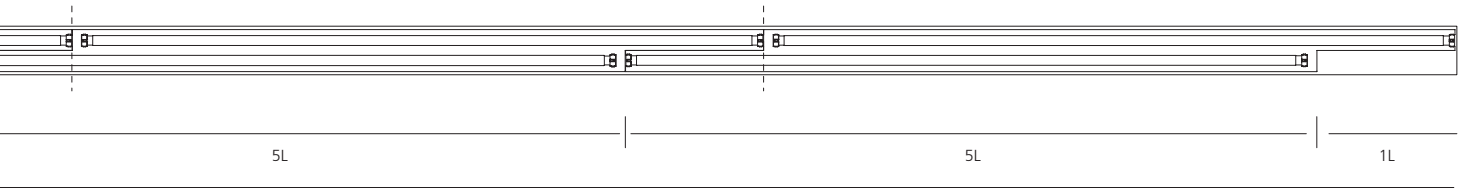


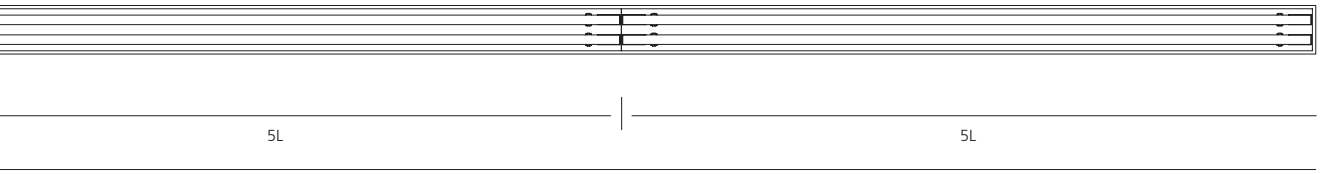
= (1x20L) o (2x10L) o (4x5L)

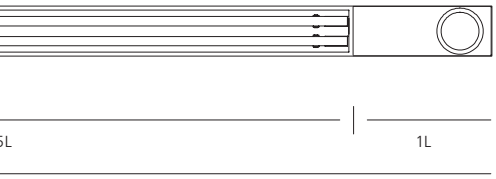
Mixed line with fluorescent T16-SLS diffuser modules and spotling/accent units.



= (10L+4L) o (6L+2L+6L)


5L
5L
1L


5L
5L


5L
1L

Nothing 86 System recessed ceiling, LED direct diffused emission

Diffused emission LED White

W	Lenght		CCT	non dimmable Code	Dali-SwitchDim Code
23 W	1184 mm	**5L**	3000 K	M232800	M232801
			4000 K	M232900	M232901
46 W	2368 mm	**10L**	3000 K	M237800	M237801
			4000 K	M237900	M237901

Integrated MV through-cabling.

Diffused emission LED RGB

W (LED)	Lenght		Code
18 W	1184 mm	**5L**	M233600

Integrated LV through-cabling.
Power supply groups and lighting management kits are required. To be ordered separately.

Diffusor for LED modules

Lenght		Code
1184 mm	**5L**	M235100
1420 mm	**6L**	M235200
2368 mm	**10L**	M235300
2605 mm	**11L**	M235400
4736 mm	**20L**	M235500

850°

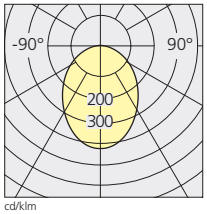
xL

50

88

Nothing 86 LED White	direct LED		luminaire	
Power	20 W	20 W	23 W	23 W
Flux	2440 lm	2600 lm	1464 lm	1560m
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (typ.)			
Color tolerance	MacAdam 4SDCM			
Service life	L70(6K) > 36000h			
Efficiency			60%	60%
Efficacy	122 lm/W	130 lm/W	64 lm/W	69 lm/W

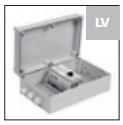
23 W



Values related to luminaire body L 1184 mm.

Power supplies/LED light management systems*

	Code
Electronic power supply unit. IP67. Input tension: 90-264VAC / 47-63Hz. Output tension: 48VDC. Protection against overcurrent, overvoltage, short-circuit and over temperature, with automatic restart.	
100 W For feeding up to 90 W. 220x68x38 mm.	M075000
240 W For feeding up to 225W. 244x68x39mm.	M075100
320 W For feeding up to 300 W. 252x90x44 mm.	M076100



IP67

IP20

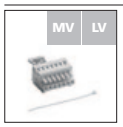
Control interface. For managing of groups of LV fittings. Integrated sequencer for 'stand-alone' operation with pre-defined colour sequence. Possibility of master-slave configuration. DALI or DMX light management systems not included..	
IP67. Compactible DALI-SwitchDim 310X168X90 mm.	M077000
IP67. Compactible DALI-SwitchDim or DMX. 310X168X90 mm.	M077100
IP20. Compactible DALI-SwitchDim Suitable for DIN rail mounting. 106x90x70 mm.	M077200
IP20. Compactible DALI-SwitchDim or DMX. Suitable for DIN rail mounting. 106x90x70 mm.	M077300

* Only for LED RGB.

Please see page 439 for electric scheme.

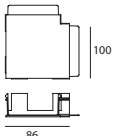
Electrical components

		Code
Optional through-wiring. (optional). Required for configurations including LV and MV pre-cabled gear trays.		
LV	1170/1184 mm	M198800
LV	2340/2368 mm	M199000
MV	1184 mm	M198700
MV	2368 mm	M198900



Power supply kit. Allows for connection to the first pre-wired gear tray of the initial module. To be used only with ceiling-recessed and ceiling-mounted installations.	
LV (3xmax 1,5 mm²) For feeding LED RGB trays.	M073230
MV (7xmax 1,5 mm²) For feeding fluorescent modules, white LED plates and accent modules.	M073240

Closure screens for 90° joints



	Code
Junction to be fitted to the module on the same plane. Compatible with the junction for the same plane.	
For continuity between LED diffused emission modules and spot modules.	M167500

Nothing 86 System recessed ceiling fluo diffused direct emission

Diffused emission T16 (G5) — non dimmable

W	Lenght		Code
2x54 W	1421 mm	**6L**	M233000

Diffused emission T16 (G5) — Dali-SwitchDim

W	Lenght		Code
2x28-54 W	1421 mm	**6L**	M233001

Integrated MV through-cabling.

Diffused emission T16-SLS (G5) — non dimmable

W	Lenght		Code
2x54 W	1184 mm	**5L**	M233300

Diffused emission T16 (G5) — Dali-SwitchDim

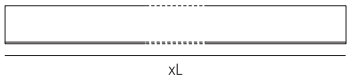
W	Lenght		Code
2x28-54 W	1184 mm	**5L**	M233301

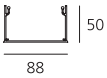
Integrated MV through-cabling.

Diffuser for fluorescent modules

Lenght		Code
1184 mm	**5L**	M234500
1421 mm	**6L**	M234600
2368 mm	**10L**	M234700
2605 mm	**11L**	M234800
4736 mm	**20L**	M234900

650°





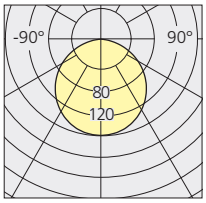
Direct T16(G5)

Efficiency **46%**

Direct T16-SLS (G5)

Efficiency **46%**

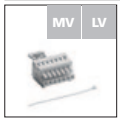
28/54 W 2600/4450 lm



cd/klm

Electrical components

		Code
Optional through-wiring. (optional). Required for configurations including LV and MV pre-cabled gear trays.		
LV	1170/1184 mm	M198800
LV	1421 mm	M211600
in case of a series of 'n' cabled gear plates of 6 mt. length, the first 'N-1' will use optional through-wiring l=1184, while the last gear plate will use an optional cable L=1421.		
LV	2340/2368 mm	M199000



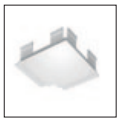
Power supply kit. Allows for connection to the first pre-wired gear tray of the initial module. To be used only with ceiling-recessed and ceiling-mounted installations.	
LV (3xmax 1,5 mm²) For feeding LED RGB trays.	M073230
MV (7xmax 1,5 mm²) For feeding fluorescent modules, white LED plates and accent modules.	M073240

Light sources

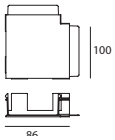
	Code
Fluorescent tube T16-SEAMLESS (G5) 1 piece	
28 W (3000 K)	M004810
28 W (4000 K)	M004815
54 W (3000 K)	M004800
54 W (4000 K)	M004805

Fluorescent tube T16 (G5) 1 piece	
28 W (3000 K)-direct	M004380
28 W (4000 K)-direct	M004325
54 W (3000 K)-direct	M004350
54 W (4000 K)-direct	M004355

Closure screens for 90° joints



	Code
Junction to be fitted to the module on the same plane. Compatible with the junction for the same plane.	
For continuity between fluo diffused emission modules.	M167600



Nothing 86 System recessed ceiling fluo direct emission dark-light

Dark Light emission T16 (G5) — non dimmable

W	Lenght		Code
1x54 W	1170 mm	**1DL**	M233400
2x54 W	2340 mm	**2DL**	M233500

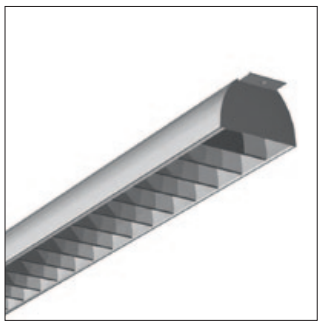
Dark Light emission T16 (G5) — Dali-SwitchDim

W	Lenght		Code
1x28-54 W	1170 mm	**1DL**	M233401
2x28-54 W	2340 mm	**2DL**	M233501

Integrated MV through-cabling.

Dark Light Optics

Lenght		Code
1170 mm	**1DL**	M235000

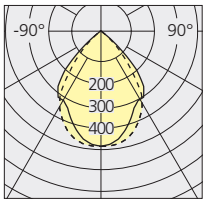


Direct T16 (G5) — **28/54 W** 2600/4450 lm

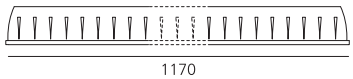
Efficiency **72%**

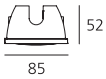
UGR < 19

2θ/2 = 88°	54 W	28 W
E_0 (h 1m)	2095 lux	1130 lux
E_0 (h 2m)	524 lux	283 lux



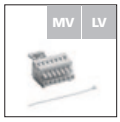
960°





Electrical components

		Code
Optional through-wiring. (optional). Required for configurations including LV and MV pre-cabled gear trays.		
LV	1170/1184 mm	M198800
LV	2340/2368 mm	M199000

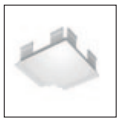


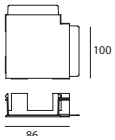
Power supply kit. Allows for connection to the first pre-wired gear tray of the initial module. To be used only with ceiling-recessed and ceiling-mounted installations.	
LV (3xmax 1,5 mm²) For feeding LED RGB trays.	M073230
MV (7xmax 1,5 mm²) For feeding fluorescent modules, white LED plates and accent modules.	M073240

Light sources

	Code
Fluorescent tube T16 (G5) 1 piece	
28 W (3000 K)-direct	M004380
28 W (4000 K)-direct	M004325
54 W (3000 K)-direct	M004350
54 W (4000 K)-direct	M004355

Closure screens for 90° joints



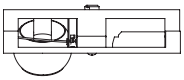


	Code
Junction to be fitted to the module on the same plane. Compatible with the junction for the same plane.	
For continuity between fluo dark light emission modules.	M167700

Nothing 86 System recessed ceiling accent modules

Black ●

850°



LED (GU10)

W	Lenght		Color	Code
1x7 W	237 mm	1L	●	M234400

HIPAR51 (GX10)

W	Lenght		Color	Code
1x29 W	237 mm	1L	●	M234000

QR-CBC51 (GU5,3)

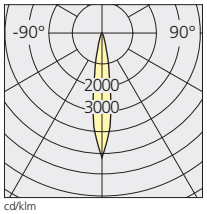
W	Lenght		Color	Code
1xmax35 W	237 mm	1L	●	M233900

HIT-TC-CE (GU6,5)

W	Lenght		Beam	Color	Code
1x20 W	2367 mm	1L	2x8°	●	M234200SP
			2x12°	●	M234200MFL
			2x19°	●	M234200FL

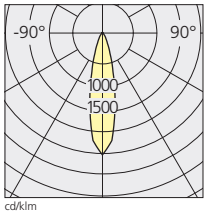
Integrated electronic power supply.
Integrated MV through-cabling.

20 W/1600 lm — Efficiency 62% — α=2x8°



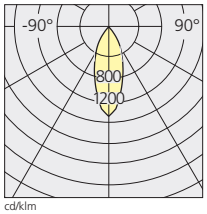
H m	Ø m	EMax lux	EM lux
1	0,28	7906	3858
2	0,56	1976	964
3	0,84	878	429
4	1,12	494	241
5	1,41	316	154

20 W/1600 lm — Efficiency 63% — α=2x12°



H m	Ø m	EMax lux	EM lux
1	0,41	4113	1940
2	0,83	1028	485
3	1,24	457	216
4	1,66	257	121
5	2,07	165	78

20 W/1600 lm — Efficiency 82% — α=2x19°

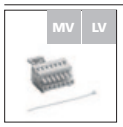


H m	Ø m	EMax lux	EM lux
1	0,67	2355	1008
2	1,35	589	252
3	2,02	262	112
4	2,69	147	63
5	3,37	94	40

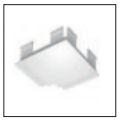
Accessories

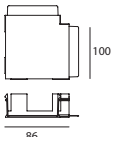
	Color	Code
Closure panel. Length 237 mm (1L).	●	M232710

Electrical components

		Code
Optional through-wiring. (optional). Required for configurations including LV and MV pre-cabled gear trays.		
LV	237 mm	M211700
LV	1170/1184 mm	M198800
LV	2340/2368 mm	M199000
 **Power supply kit.** Allows for connection to the first pre-wired gear tray of the initial module. To be used only with ceiling-recessed and ceiling-mounted installations.		
LV (3xmax 1,5 mm²) For feeding LED RGB trays.		M073230
MV (7xmax 1,5 mm²) For feeding fluorescent modules, white LED plates and accent modules.		M073240

Closure screens for 90° joints

	Code
 **Junction to be fitted to the module on the same plane.** Compatible with the junction for the same plane.	
For continuity between LED diffused emission modules and spot modules.	M167500



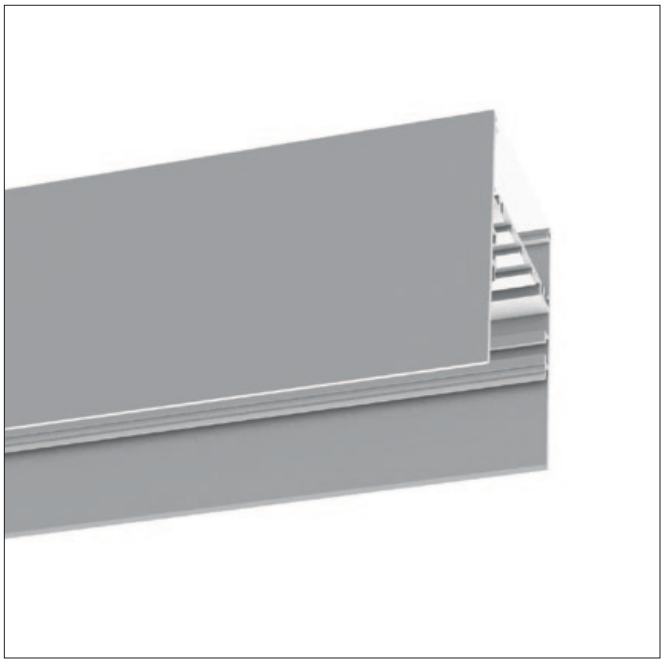
right

Nothing 86 System
Showroom Vodafone
Milan (Italy)

Nothing 86 System ceiling/suspension

Nothing 86 System Ceiling/Suspension Components

Structural modules +



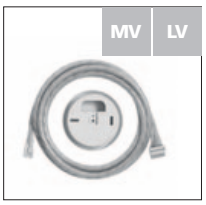
Structural module
for ceiling-
or suspended-mounting.
End caps, angles, fixing
components, plates
and optics to be ordeder
separately.

- Ceiling-mounted and suspended modular system.
- Components: structural modules in extruded aluminium, pre-wired gear trays and optics.
- Structural modules available in 12 lengths (from 237 to 4736 mm) and, thanks to their flexibility, can house and freely alternate luminaires.
- The original sequence can be modified overtime, allowing that the total length of the system is kept the same.
- Linear fluorescent sources with diffused or dark light emissions, white or RB LEDs with diffused emission, spot modules for accent lighting can be alternated to customize the sequence, with or without fluorescent indirect emission.
- Feeding plates with through-wiring and rapid connectors.
- To remove shadows in the joining area between 2 fluorescent lights, T16-Seamless lamps or traditional T16 fluorescent tubes with overlapping arrangements for uninterrupted light lines.
- 2 LED versions: with monochromatic warm white emissions (3000K), neutral white emission (4000K) and RGB emission.
- Same-plane angular configurations available, perpendicular angular configurations available on request.
- Compliant to standard EN60598-1 and other specific standards.

Installation components +

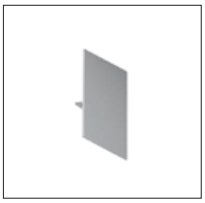
Ceiling fixing bracket
(1 piece)

Steel suspension cable
(1 piece)



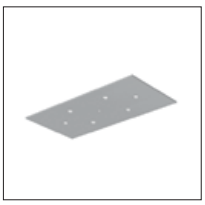
Suspension set with steel
cable and power feed cable
(1 piece)
Length 2000mm

Junction components +



End caps
(set of 2)

Intermediate joint
(to be used for combining
spotlighting modules with
fluorescent modules with
dark light or diffusing
emission)



Linear connector

90° joint
(to connect two modules
on one same plane).

Pre-wired gear trays +

Pre-wired gear tray
for white LED direct
diffused emission.
Integrated
MV through-wiring.

Pre-wired gear tray
for white RGB LED direct
diffused emission.
Integrated
LV through-wiring.

Pre-wired gear tray
for fluorescent T16 tubes.
Diffused direct emission.
Integrated
MV through-wiring.

Pre-wired gear tray
for fluorescent T16 tubes.
Indirect emission.

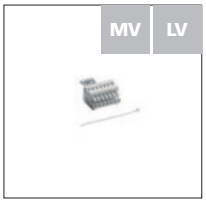
Pre-wired gear tray for
fluorescent T16-SLS tubes.
Diffused direct emission.
Integrated
MV through-wiring.

Pre-wired gear tray
for fluorescent T16 tubes.
Dark light direct emission.
Integrated
MV through-wiring.

Accent modules.

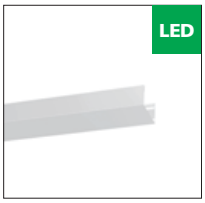
Electrical components +

Supplementary through-wiring
(Optional).
To be used in configuration
with LV and MV pre-cabled
gear trays.



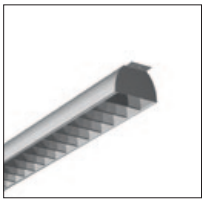
Power supply kit.

Optical system +



Opal diffuser in polycarbonate
for LED diffused versions.

Opal PMMA diffuser
for fluorescent versions.



Dark light optics
for fluorescent versions.

Closing / joining screens +

Junction to be fitted
to the module
on the same plane.

LED power supplies and control systems

Electronic power supply
unit. IP67.

Control interface:
IP20 and IP67.
Allows management
of groups of LV fittings.

Structural modules	Length	
	237 mm	1L
	474 mm	2L
	710 mm	3L
	947 mm	4L
	1184 mm	5L
	1421 mm	6L
	2368 mm	10L
	2605 mm	11L
	4736 mm	20L
	1170 mm	1DL
	2340 mm	2DL
	4680 mm	4DL

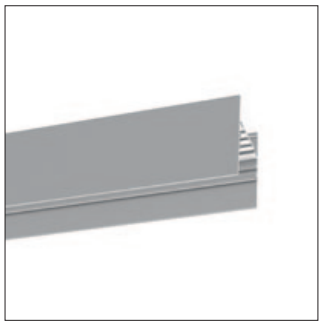
Pre-wired gear trays		Length	
	Accent module	237 mm	1L
	LED pre-wired gear tray	1184 mm	5L
	LED pre-wired gear tray	2368 mm	10L
	T16-SLS diffused pre-wired gear tray	1184 mm	5L
	Piastra Fluo diffondente T16	1421 mm	6L
	Piastra Fluo dark-light T16 (singola)	1170 mm	1DL
	Piastra Fluo dark-light T16 (doppia)	2340 mm	2DL

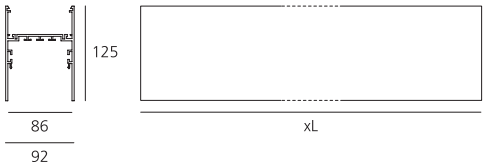
Optics		Length	
	Diffusor for LED or Fluo	1184 mm	5L
	Diffusor for LED or Fluo	1421 mm	6L
	Diffusor for LED or Fluo	2368 mm	10L
	Diffusor for LED or Fluo	2605 mm	11L
	Diffusor for LED or Fluo	4736 mm	20L
	Dark light Fluo Optic	1170 mm	1DL

	White	Gloss anodized
	○	◑

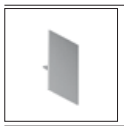
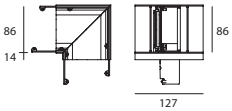
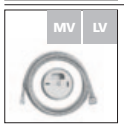
Structural module

Lenght		Color	Code
237 mm	1L	○	M231220
		◑	M231260
474 mm	2L	○	M231320
		◑	M231360
710 mm	3L	○	M231420
		◑	M231460
947 mm	4L	○	M231520
		◑	M231560
1184 mm	5L	○	M231620
		◑	M231660
1421 mm	6L	○	M231720
		◑	M231760
2368 mm	10L	○	M231820
		◑	M231860
2605mm	11L	○	M231920
		◑	M231960
4736 mm	20L	○	M232020
		◑	M232060
1170 mm	1DL	○	M232120
		◑	M232160
2340 mm	2DL	○	M232220
		◑	M232260
4680 mm	4DL	○	M232320
		◑	M232360

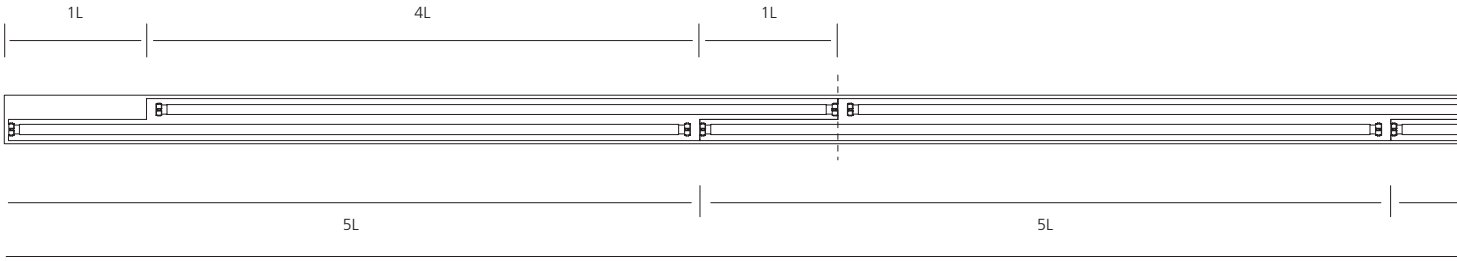




Accessories

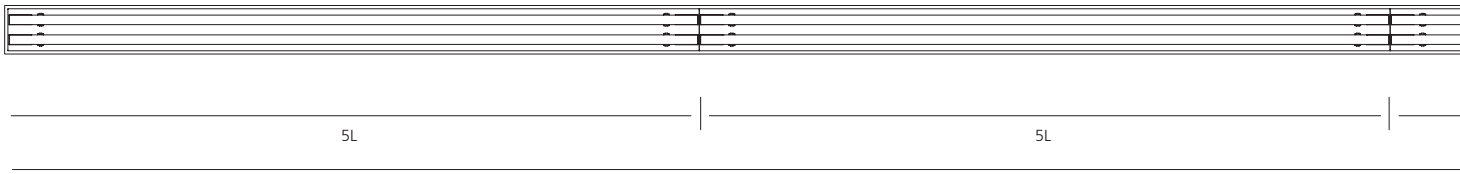
	Color	Code
 **End caps.** (set of 2)	○	M194320
	◑	M194360
Linear connector. (1 piece)		M194500
Ceiling fixing bracket. (1 piece)		M232600
Intermediate joint. To be used for combining spotlighting modules with fluorescent modules with dark light or diffusing emission.	○	M194620
	◑	M194660
90° joint. For the mechanical connection of 2 modules on one same plane. 	○	M181820
	◑	M181860
Steel suspension cable. (1 piece). Length 2000 mm.		M194700
 **Suspension set with steel cable and power feed cable.** Length 2000 mm.		
LV (3x1,5mm²). For feeding LED RGB plates.		M194800
MV (5x1,5mm² + 2x0,5mm²). For feeding fluorescent modules, white LED plates and accent modules.		M194900

Line with fluorescent T16- diffuser modules



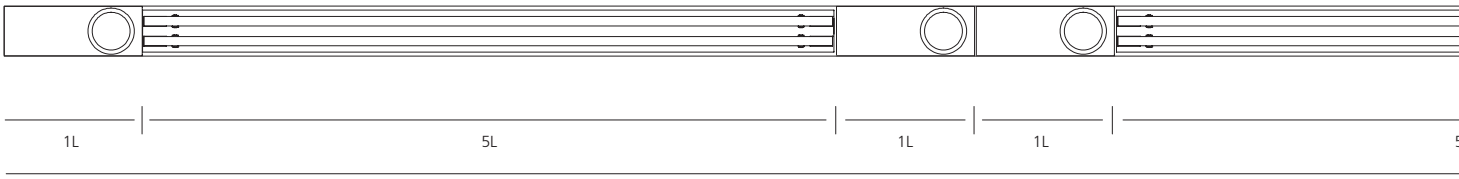
= (20L+1L) o (10L+11L)

Line with fluorescent T16-SLS diffuser modules

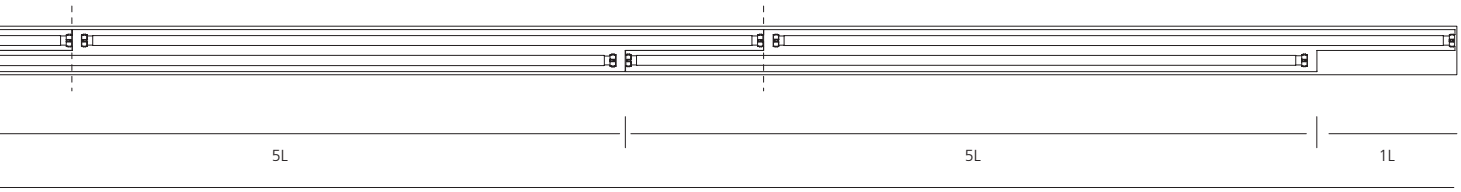


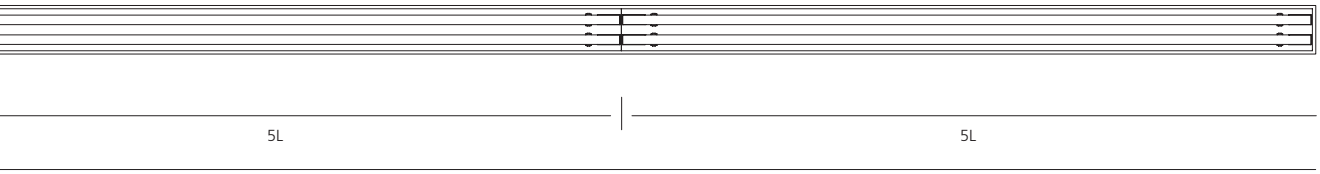
= (1x20L) o (2x10L) o (4x5L)

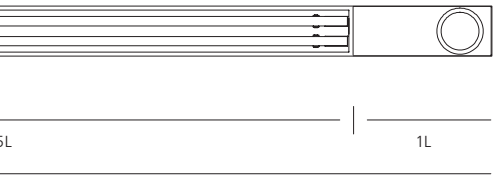
Mixed line with fluorescent T16-SLS diffuser modules and spotling/accent units.



= (10L+4L) o (6L+2L+6L)


5L
5L
1L


5L
5L


5L
1L

Nothing 86 System ceiling/suspension LED diffused direct emission / LED diffused direct emission + indirect fluo

Diffused emission LED White

W	Lenght		CCT	non dimmable Code	Dali-SwitchDim Code
23 W	1184 mm	**5L**	3000 K	M232800	M232801
			4000 K	M232900	M232901
46 W	2368 mm	**10L**	3000 K	M237800	M237801
			4000 K	M237900	M237901

Integrated MV through-cabling.

Diffused emission LED RGB

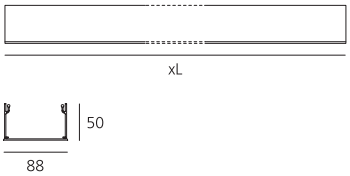
W (LED)	Lenght		Code
18 W	1184 mm	**5L**	M233600

Integrated LV through-cabling.
Power supply groups and lighting management kits are required. To be ordered separately.

Diffusor for LED modules

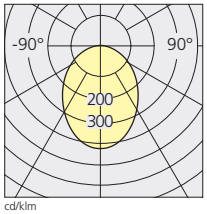
Lenght		Code
1184 mm	**5L**	M235100
1420 mm	**6L**	M235200
2368 mm	**10L**	M235300
2605 mm	**11L**	M235400
4736 mm	**20L**	M235500

850°



Nothing 86 LED White	direct LED		luminaire	
Power	20 W	20 W	23 W	23 W
Flux	2440 lm	2600 lm	1464 lm	1560m
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (typ.)			
Color tolerance	MacAdam 4SDCM			
Service life	L70(6K) > 36000h			
Efficiency			60%	60%
Efficacy	122 lm/W	130 lm/W	64 lm/W	69 lm/W

23 W



Values related to luminaire body L 1184 mm.

Pre-wired gear tray indirect emission T16 (G5)

non dimmable

W	Lenght	Code
1x39 W	875 mm	M233100
2x39 W	1750 mm	M233200

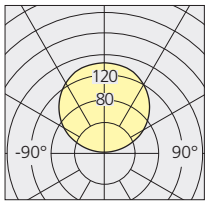
Upper screen in PMAA included.

650°

Indirect T16 (G5)

39 W 3100 lm

Efficiency 45%

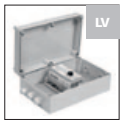


cd/klm

Power supplies/LED light management systems*

Electronic power supply unit.
IP67.
Input tension: 90-264VAC / 47-63Hz.
Output tension: 48VDC.
Protection against overcurrent, overvoltage, short-circuit and over temperature, with automatic restart.

	Code
100 W For feeding up to 90 W. 220x68x38 mm.	M075000
240 W For feeding up to 225W. 244x68x39mm.	M075100
320 W For feeding up to 300 W. 252x90x44 mm.	M076100



IP67

IP20

Control interface.
For managing of groups of LV fittings.
Integrated sequencer for 'stand-alone' operation with pre-defined colour sequence.
Possibility of master-slave configuration.
DALI or DMX light management systems not included.

	Code
IP67. Compactible DALI-SwitchDim 310X168X90 mm.	M077000
IP67. Compactible DALI-SwitchDim or DMX. 310X168X90 mm.	M077100
IP20. Compactible DALI-SwitchDim Suitable for DIN rail mounting. 106x90x70 mm.	M077200
IP20. Compactible DALI-SwitchDim or DMX. Suitable for DIN rail mounting. 106x90x70 mm.	M077300

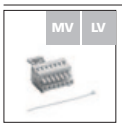
* Only for LED RGB.

Please see page 439 for electric scheme.

Electrical components

Optional through-wiring.
(optional).
Required for configurations including LV and MV pre-cabled gear trays.

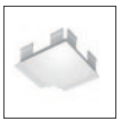
		Code
LV	1170/1184 mm	M198800
LV	2340/2368 mm	M199000
MV	1184 mm	M198700
MV	2368 mm	M198900



Power supply kit.
Allows for connection to the first pre-wired gear tray of the initial module.
To be used only with ceiling-recessed and ceiling-mounted installations.

	Code
LV (3xmax 1,5 mm²) For feeding LED RGB trays.	M073230
MV (7xmax 1,5 mm²) For feeding fluorescent modules, white LED plates and accent modules.	M073240

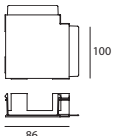
Closure screens for 90° joints



Junction to be fitted to the module on the same plane
Compatible with the junction for the same plane.

For continuity between LED diffused emission modules and spot modules.

Code: M167500



Light sources

Fluorescent tube T16 (G5)
1 piece

	Code
39 W (3000 K)	M004380
39 W (4000 K)	M004381

Diffused emission T16 (G5) — non dimmable

W	Lenght		Code
2x54 W	1421 mm	**6L**	M233000

Diffused emission T16 (G5) — Dali-SwitchDim

W	Lenght		Code
2x28-54 W	1421 mm	**6L**	M233001

Integrated MV through-cabling.

Diffused emission T16-SLS (G5) — non dimmable

W	Lenght		Code
2x54 W	1184 mm	**5L**	M233300

Diffused emission T16 (G5) — Dali-SwitchDim

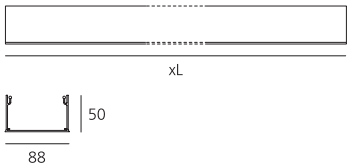
W	Lenght		Code
2x28-54 W	1184 mm	**5L**	M233301

Integrated MV through-cabling.

Diffuser for fluorescent modules

Lenght		Code
1184 mm	**5L**	M234500
1421 mm	**6L**	M234600
2368 mm	**10L**	M234700
2605 mm	**11L**	M234800
4736 mm	**20L**	M234900

650°



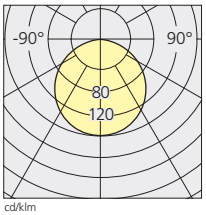
Direct T16(G5)

Efficiency **46%**

Direct T16-SLS (G5)

Efficiency **46%**

28/54 W 2600/4450 lm



Pre-wired gear tray indirect emission T16 (G5) | non dimmable

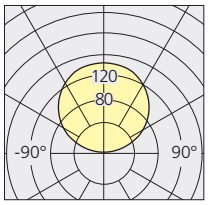
W	Lenght	Code
1x39 W	875 mm	M233100
2x39 W	1750 mm	M233200

Upper screen in PMAA included.

650°

Indirect T16 (G5) | **39 W** | 3100 lm

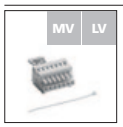
Efficiency 45%



cd/klm

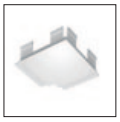
Electrical components

		Code
Optional through-wiring. (optional). Required for configurations including LV and MV pre-cabled gear trays.		
LV	1170/1184 mm	M198800
LV	1421 mm	M211600
in case of a series of 'n' cabled gear plates of 6 mt. length, the first 'N-1' will use optional through-wiring l=1184, while the last gear plate will use an optional cable L=1421.		
LV	2340/2368 mm	M199000

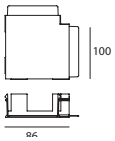


Power supply kit. Allows for connection to the first pre-wired gear tray of the initial module. To be used only with ceiling-recessed and ceiling-mounted installations.	
LV (3xmax 1,5 mm²) For feeding LED RGB trays.	M073230
MV (7xmax 1,5 mm²) For feeding fluorescent modules, white LED plates and accent modules.	M073240

Closure screens for 90° joints



	Code
Junction to be fitted to the module on the same plane. Compatible with the junction for the same plane.	
For continuity between fluo diffused emission modules.	M167600



Light sources

	Code
Fluorescent tube T16-SEAMLESS (G5) 1 piece	
28 W (3000 K)	M004810
28 W (4000 K)	M004815
54 W (3000 K)	M004800
54 W (4000 K)	M004805

Fluorescent tube T16 (G5) 1 piece	
28 W (3000 K)-direct	M004380
28 W (4000 K)-direct	M004325
54 W (3000 K)-direct	M004350
54 W (4000 K)-direct	M004355
39 W (3000 K)-indirect	M004380
39 W (4000 K)-indirect	M004381

Dark Light emission T16 (G5) — non dimmable

W	Lenght		Code
1x54 W	1170 mm	**1DL**	M233400
2x54 W	2340 mm	**2DL**	M233500

Dark Light emission T16 (G5) — Dali-SwitchDim

W	Lenght		Code
1x28-54 W	1170 mm	**1DL**	M233401
2x28-54 W	2340 mm	**2DL**	M233501

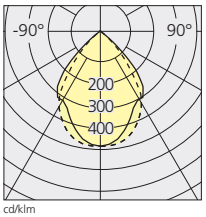
Integrated MV through-cabling.

Dark-light optics

Lenght		Code
1170 mm	**1DL**	M235000

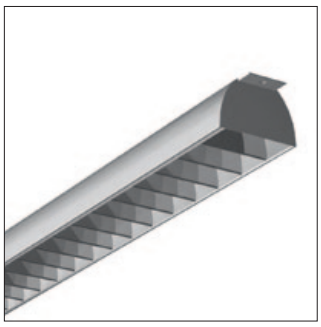
Direct T16 (G5) — **28/54 W** 2600/4450 lm

Efficiency **72%**

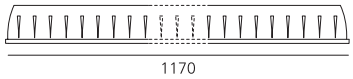


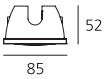
UGR < 19

2θ/2 = 88°	54 W	28 W
E_0 (h 1m)	2095 lux	1130 lux
E_0 (h 2m)	524 lux	283 lux



960°





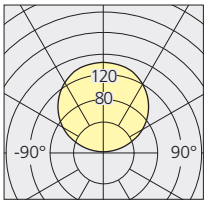
Pre-wired gear tray indirect emission T16 (G5) — non dimmable

W	Lenght	Code
1x39 W	875 mm	M233100
2x39 W	1750 mm	M233200

Upper screen in PMAA included.

Indirect T16 (G5) — **39 W** 3100 lm

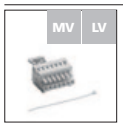
Efficiency **45%**



650°

Electrical components

		Code
Optional through-wiring. (optional). Required for configurations including LV and MV pre-cabled gear trays.		
LV	1170/1184 mm	M198800
LV	2340/2368 mm	M199000

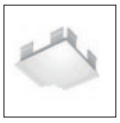


Power supply kit. Allows for connection to the first pre-wired gear tray of the initial module. To be used only with ceiling-recessed and ceiling-mounted installations.	
LV (3xmax 1,5 mm²) For feeding LED RGB trays.	M073230
MV (7xmax 1,5 mm²) For feeding fluorescent modules, white LED plates and accent modules.	M073240

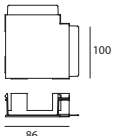
Light sources

	Code
Fluorescent tube T16 (G5) 1 piece	
28 W (3000 K)-direct	M004380
28 W (4000 K)-direct	M004325
54 W (3000 K)-direct	M004350
54 W (4000 K)-direct	M004355
39 W (3000 K)-indirect	M004380
39 W (4000 K)-indirect	M004381

Closure screens for 90° joints



	Code
Junction to be fitted to the module on the same plane. Compatible with the junction for the same plane.	
For continuity between fluo dark light emission modules.	M167700



Nothing 86 System ceiling/suspension accent modules / accent modules + fluo indirect

Black ●

LED (GU10)

W	Lenght		Color	Code
1x7 W	237 mm	1L	●	M234400

HIPAR51 (GX10)

W	Lenght		Color	Code
1x29 W	237 mm	1L	●	M234000

QR-CBC51 (GU5,3)

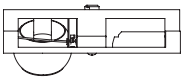
W	Lenght		Color	Code
1xmax35 W	237 mm	1L	●	M233900

HIT-TC-CE (GU6,5)

W	Lenght		Beam	Color	Code
1x20 W	2367 mm	1L	2x8°	●	M234200SP
			2x12°	●	M234200MFL
			2x19°	●	M234200FL

Integrated electronic power supply.
Integrated MV through-cabling.

850°



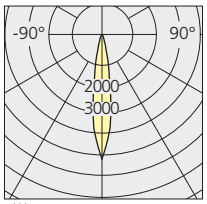
Ø80

237

86

30° 355°

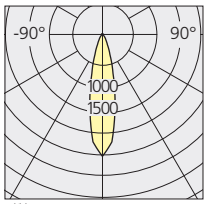
20 W/1600 lm — Efficiency 62% α=2x8°



cd/klm

H m	Ø m	EMax lux	EM lux
1	0,28	7906	3858
2	0,56	1976	964
3	0,84	878	429
4	1,12	494	241
5	1,41	316	154

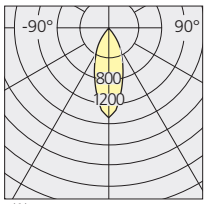
20 W/1600 lm — Efficiency 63% α=2x12°



cd/klm

H m	Ø m	EMax lux	EM lux
1	0,41	4113	1940
2	0,83	1028	485
3	1,24	457	216
4	1,66	257	121
5	2,07	165	78

20 W/1600 lm — Efficiency 82% α=2x19°



cd/klm

H m	Ø m	EMax lux	EM lux
1	0,67	2355	1008
2	1,35	589	252
3	2,02	262	112
4	2,69	147	63
5	3,37	94	40

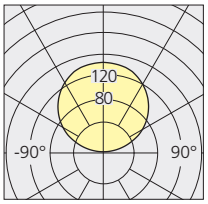
Pre-wired gear tray indirect emission T16 (G5) — non dimmable

W	Lenght	Code
1x39 W	875 mm	M233100
2x39 W	1750 mm	M233200

Upper screen in PMAA included.

Indirect T16 (G5) — **39 W** 3100 lm

Efficiency 45%



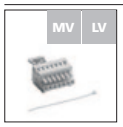
cd/klm

650°

Accessories

	Color	Code
Closure panel. Length 237 mm (1L).	●	M232710

Electrical components

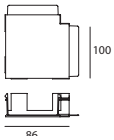
	Code
Optional through-wiring. (optional). Required for configurations including LV and MV pre-cabled gear trays.	
LV 237 mm	M211700
LV 1170/1184 mm	M198800
LV 2340/2368 mm	M199000
 **Power supply kit.** Allows for connection to the first pre-wired gear tray of the initial module. To be used only with ceiling-recessed and ceiling-mounted installations.	
LV (3xmax 1,5 mm²) For feeding LED RGB trays.	M073230
MV (7xmax 1,5 mm²) For feeding fluorescent modules, white LED plates and accent modules.	M073240

Light sources

	Code
Fluorescent tube T16 (G5) 1 piece	
39 W (3000 K)	M004380
39 W (4000 K)	M004381

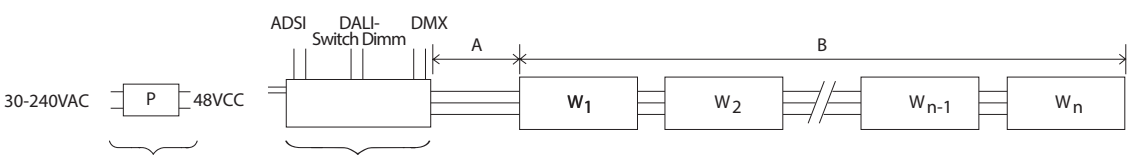
Closure screens for 90° joints

	Code
Junction to be fitted to the module on the same plane. Compatible with the junction for the same plane.	
For continuity between LED diffused emission modules and spot modules.	M167500



Nothing 86 LED management (LV): electrical scheme

Stand-alone 1 *



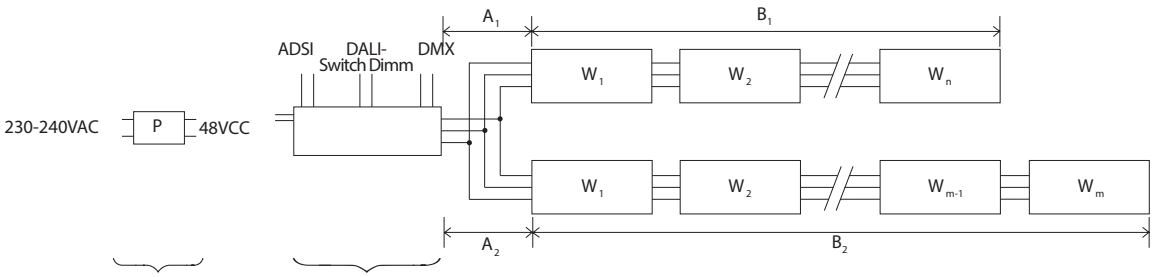
$\Sigma W < 0{,}8P$
$2A + B < 50m$
$n < 24$ units

Power supply unit
M075000 (P=100 W)
M075100 (P=240 W)
M076100 (P=320 W)

Control interface
M077200 / M077000
(DALI-SwitchDim)
M077300 / M077100
(DALI-SwitchDim or DMX)

LED fitting LED fitting LED fitting LED fitting

Stand-alone 2 *



$\Sigma W < 0{,}8P$
$2(A_1+A_2)$
$+ B_1 + B_2 < 50m$
$n+m < 24$ units

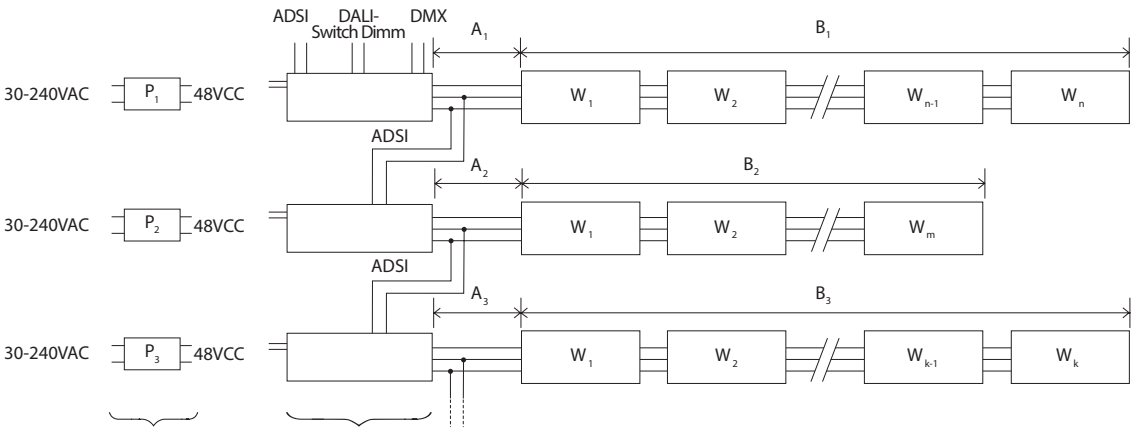
Power supply unit
M075000 (P=100 W)
M075100 (P=240 W)
M076100 (P=320 W)

Control interface
M077200 / M077000
(DALI-SwitchDim)
M077300 / M077100
(DALI-SwitchDim or DMX)

LED fitting LED fitting LED fitting LED fitting

* Maximum values.
For lighting design, please use data available on the control interface manual.

Master-slave *



$\Sigma W < 0{,}8P_1$
$2A_1 + B_1 < 50m$
$n < 24$ units

$\Sigma W < 0{,}8P_2$
$2A_2 + B_2 < 50m$
$m < 24$ units

$\Sigma W < 0{,}8P_3$
$2A_3 + B_3 < 50m$
$k < 24$ units

Power supply unit
M075000 (P=100 W)
M075100 (P=240 W)
M076100 (P=320 W)

Control interface
M077200 / M077000
(DALI-SwitchDim)
M077300 / M077100
(DALI-SwitchDim or DMX)

LED fitting LED fitting LED fitting LED fitting

Nothing 86
Stand alone

Ernesto Gismondi

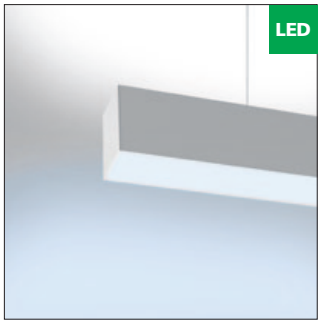
2013

Nothing 86 Stand-alone suspension white LED diffused emission

White ○ Gloss anodized ◑

Direct emission

LED White					non dimmable	Dali-SwitchDim
W	Lenght	Flux	CCT	Color	Code	Code
23 W	1188 mm	1464 lm	3000 K	○	M202120	M202121
				◑	M202160	M202161
	1188 mm	1560 lm	4000 K	○	M202220	M202221
				◑	M202260	M202261
46 W	2372 mm	2928 lm	3000 K	○	M202320	M202321
				◑	M202360	M202361
	2372 mm	3120 lm	4000 K	○	M202420	M202421
				◑	M202460	M202461

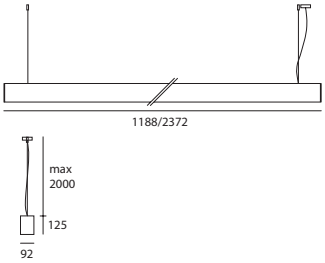


Direct + indirect emission

LED White + fluo				non dimmable	Dali-SwitchDim*
W	Lenght	CCT (LED)	Color	Code	Code
23 W	1188 mm	3000 K	○	M202520	M202521
1x39 W (T16 (G5))			◑	M202560	M202561
	1188 mm	4000 K	○	M202620	M202621
			◑	M202660	M202661
46 W	2372 mm	3000 K	○	M202720	M202721
2x39 W (T16 (G5))			◑	M202760	M202761
	2372 mm	4000 K	○	M202820	M202821
			◑	M202860	M202861

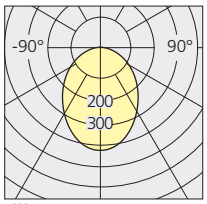
* Direct emission dimmable only.
Upper screen in PMAA included.

IP20 ⏚ 850° (direct)
650° (direct+indirect)



Nothing 86 LED White	direct LED		luminaire	
Power	20 W	20 W	23 W	23 W
Flux	2440 lm	2600 lm	1464 lm	1560 lm
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (typ.)			
Color tolerance	MacAdam 4SDCM			
Service life	L70(6K) > 36000h			
Efficiency			60%	60%
Efficacy	122 lm/W	130 lm/W	64 lm/W	69 lm/W

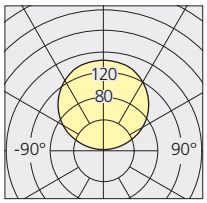
23 W



Indirect T16 (G5)

Efficiency **45%**

39 W 3100 lm



Values related to luminaire body L 1188 mm.

Light sources

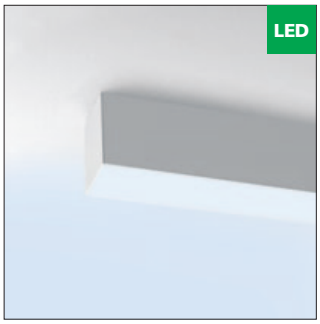
		Code
	Fluorescent tube T16 (G5) 1 piece	
	39 W (3000 K)	M004380
	39 W (4000 K)	M004381

Nothing 86 Stand-alone ceiling LED white diffused emission

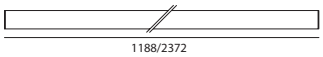
White ○ Gloss anodized ◑

Direct emission

LED White					non dimmable	Dali-SwitchDim
W	Lenght	Flux	CCT	Color	Code	Code
23 W	1188 mm	1464 lm	3000 K	○	M202920	M202921
				◑	M202960	M202961
	1188 mm	1560 lm	4000 K	○	M203020	M203021
				◑	M203060	M203061
46 W	2372 mm	2928 lm	3000 K	○	M203120	M203121
				◑	M203160	M203161
	2372 mm	3120 lm	4000 K	○	M203220	M203221
				◑	M203260	M203261

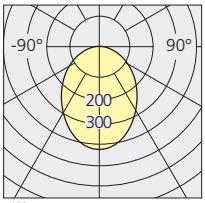


IP20 ⏚ 850°



Nothing 86 LED White	direct LED		luminaire	
Power	20 W	20 W	23 W	23 W
Flux	2440 lm	2600 lm	1464 lm	1560m
CCT	3000 K	4000 K	3000 K	4000 K
CRI	=80 (typ.)			
Color tolerance	MacAdam 4SDCM			
Service life	L70(6K) > 36000h			
Efficiency			60%	60%
Efficacy	122 lm/W	130 lm/W	64 lm/W	69 lm/W

23 W



cd/klm

Values related to luminaire body L 1188 mm.

Nothing 86 Stand-alone suspension RGB LED diffused emission

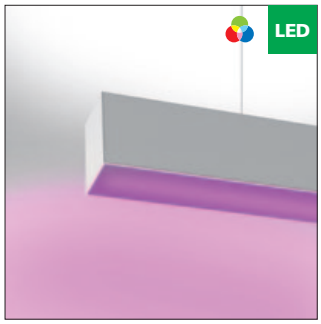
White ○ Gloss anodized ◑

Direct emission

LED RGB — Dali dimmable

W	Lenght	Color	Code
21 W	1188 mm	○	M228120
		◑	M228160
42 W	2372 mm	○	M228220
		◑	M228260

Uses 3 dali addresses.



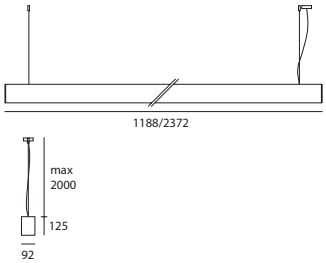
Direct + indirect emission

LED RGB — Dali dimmable*

W	Lenght	Color	Code
21 W(LED RGB)	1188 mm	○	M228320
1x39 W (T16 (G5))		◑	M228360
42 W (LED RGB)	2372 mm	○	M228420
1x39 W (T16 (G5))		◑	M228460

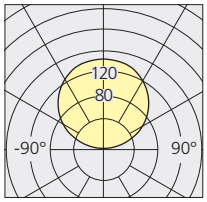
* Direct emission dimmable only.
Uses 3 dali addresses.
Upper screen in PMAA included.

IP20 ⏚ 850° (direct)
650° (direct+indirect)



Indirect T16 (G5) — 39 W — 3100 lm

Efficiency **45%**



cd/klm

Light sources

	Code
Fluorescent tube T16 (G5) 1 piece	
39 W (3000 K)	M004380
39 W (4000 K)	M004381

Nothing 86 Stand-alone wall/ceiling RGB LED diffused emission

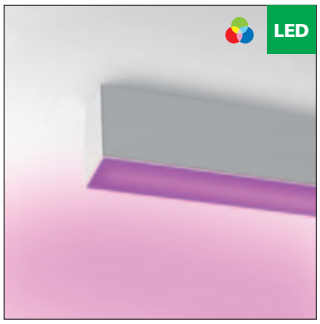
White ○ Gloss anodized ◑

LED RGB

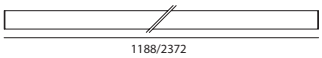
W	Lenght	Color	Code
21 W	1188 mm	○	M229320
		◑	M229360
42 W	2372 mm	○	M229420
		◑	M229460

Dali dimmable

Uses 3 dali addresses.



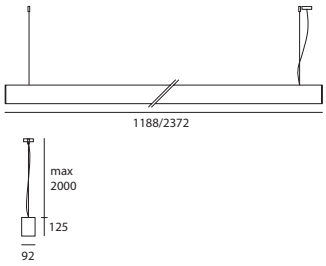
IP20 ⏚ 850°



Nothing 86 System Stand-alone suspension fluo diffused emission

White ○ Gloss anodized ◑

IP20 ⏚ 650°



Direct emission

T16-SLS (G5)			non dimmable
W	Lenght	Color	Code
2x54 W	1188 mm	○	M235620
		◑	M235660
4x54 W	2372 mm	○	M235720
		◑	M235760

T16-SLS (G5)			Dali-SwitchDim
W	Lenght		Code
2x28-54 W	1188 mm	○	M235621
		◑	M235661
4x28-54 W	2372 mm	○	M235721
		◑	M235761

Direct + indirect emission

T16-SLS (G5)			non dimmable
W	Lenght	Color	Code
2x54 W (T16-SLS (G5))	1188 mm	○	M235820
+ 1x39 W (T16 (G5))		◑	M235860
4x54 W (T16-SLS (G5))	2372 mm	○	M235920
+ 2x39 W (T16 (G5))		◑	M235960

T16-SLS (G5)			Dali-SwitchDim*
W	Lenght	Color	Code
2x28-54 W (T16-SLS (G5))	1188 mm	○	M235821
+ 1x39 W (T16 (G5))		◑	M235861
4x28-54 W (T16-SLS (G5))	2372 mm	○	M235921
+ 2x39 W (T16 (G5))		◑	M235961

* Direct emission dimmable only.
Upper screen in PMAA included.

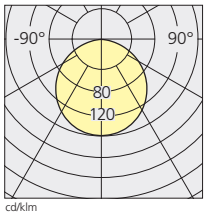
Direct T16(G5)

Efficiency **46%**

Direct T16-SLS (G5)

Efficiency **46%**

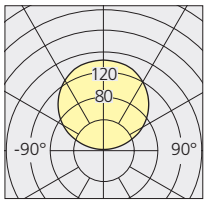
28/54 W 2600/4450 lm



Indirect T16 (G5)

Efficiency **45%**

39 W 3100 lm



Light sources

Fluorescent tube T16-SEAMLESS (G5) 1 piece	Code
28 W (3000 K)	M004810
28 W (4000 K)	M004815
54 W (3000 K)	M004800
54 W (4000 K)	M004805

Fluorescent tube T16 (G5) 1 piece	
39 W (3000 K)	M004380
29 W (4000 K)	M004381

Nothing 86 System Stand-alone wall/ceiling fluo diffused emission

White ○ Gloss anodized ◑

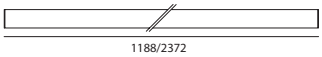
T16-SLS (G5) — non dimmable

W	Lenght	Color	Code
2x54 W	1188 mm	○	M236020
		◑	M236060
4x54 W	2372 mm	○	M236120
		◑	M236160

T16-SLS (G5) — Dali-SwitchDim

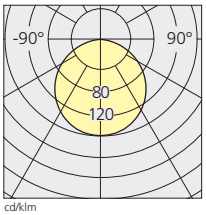
W	Lenght		Code
2x28-54 W	1188 mm	○	M236021
		◑	M236061
4x28-54 W	2372 mm	○	M236121
		◑	M236161

IP20 ⏚ 650°



Direct T16-SLS (G5) — **28/54 W** 2600/4450 lm

Efficiency **46%**

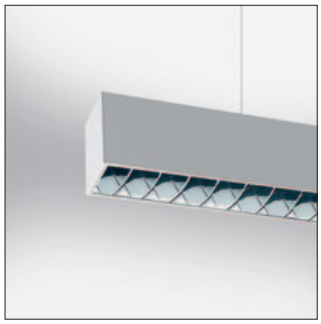


Light sources

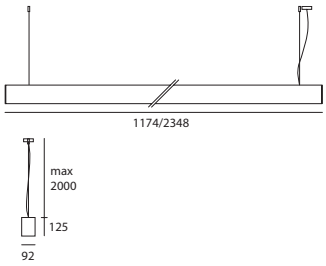
Fluorescent tube T16-SEAMLESS (G5) 1 piece	Code
28 W (3000 K)	M004810
28 W (4000 K)	M004815
54 W (3000 K)	M004800
54 W (4000 K)	M004805

Nothing 86 System Stand-alone suspension fluo dark light emission

White ○ Gloss anodized ◑



IP20 ⏚ 960°



Direct emission

T16 (G5)			non dimmable
W	Lenght	Color	Code
1x54 W	1174 mm	○	M226920
		◑	M226960
2x54 W	2348 mm	○	M227020
		◑	M227060

T16 (G5)			Dali-SwitchDim
W	Lenght	Color	Code
1x28-54 W	1174 mm	○	M226921
		◑	M226961
2x28-54 W	2348 mm	○	M227021
		◑	M227061

Direct + indirect emission

T16-SLS (G5)			non dimmable
W	Lenght	Color	Code
1x54 W (T16-SLS (G5))	1174 mm	○	M227120
+ 1x39 W (T16 (G5))		◑	M227160
2x54 W (T16-SLS (G5))	2348 mm	○	M227220
+ 2x39 W (T16 (G5))		◑	M227260

T16-SLS (G5)			Dali-SwitchDim*
W	Lenght	Color	Code
1x28-54 W (T16-SLS (G5))	1174 mm	○	M227121
+ 1x39 W (T16 (G5))		◑	M227161
2x28-54 W (T16-SLS (G5))	2348 mm	○	M227221
+ 2x39 W (T16 (G5))		◑	M227261

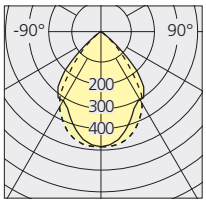
* Direct emission dimmable only.
Upper screen in PMAA included.

Direct T16 (G5) — **28/54 W** 2600/4450 lm

Efficiency **72%**

UGR < 19

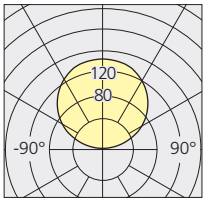
2θ/2 = 88°	54 W	28 W
E_0 (h 1m)	2095 lux	1130 lux
E_0 (h 2m)	524 lux	283 lux



cd/klm
C0 - C180
C90 - C270

Indirect T16 (G5) — **39 W** 3100 lm

Efficiency **45%**



cd/klm

Light sources

Fluorescent tube T16 (G5) 1 piece	Code
28 W (3000 K)-direct	M004380
28 W (4000 K)-direct	M004325
54 W (3000 K)-direct	M004350
54 W (4000 K)-direct	M004355
39 W (3000 K)-indirect	M004380
39 W (4000 K)-indirect	M004381

Nothing 86 System Stand-alone wall/ceiling fluo dark light emission

White ○ Gloss anodized ◑

Direct emission

T16 (G5) — non dimmable

W	Lenght	Color	Code
1x54 W	1174 mm	○	M228720
		◑	M228760
2x54 W	2348 mm	○	M228820
		◑	M228860

T16 (G5) — Dali-SwitchDim

W	Lenght	Color	Code
1x28-54 W	1174 mm	○	M228721
		◑	M228761
2x28-54 W	2348 mm	○	M228821
		◑	M228861

IP20 ⏚ 960°

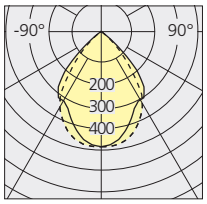
1174/2348

Direct T16 (G5) — **28/54 W** 2600/4450 lm

Efficiency **72%**

UGR < 19

2θ/2 = 88°	54 W	28 W
E_0 (h 1m)	2095 lux	1130 lux
E_0 (h 2m)	524 lux	283 lux



cd/klm
C0 - C180
C90 - C270

Light sources

Fluorescent tube T16 (G5) 1 piece	Code
28 W (3000 K)-direct	M004380
28 W (4000 K)-direct	M004325
54 W (3000 K)-direct	M004350
54 W (4000 K)-direct	M004355

Interactive Dali-Technology

Room in use.
Operation with movement detector
and daylight control.

To complement the standard versions with or without a dimmer, Artemide Architectural is showcasing the Interactive-Dali, a system that combines personalised control of lighting, ensuring optimum convenience of use, and automatic management of the switching on and off cycles for a rational use of energy.

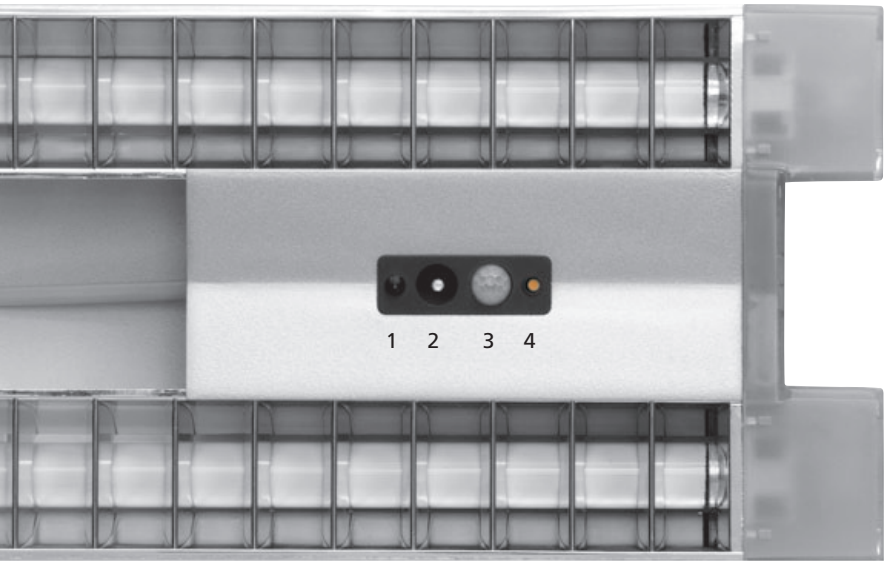
Multiple operating situations can be set due to the integration of interactive and adjustable electronic components, such as a movement detector, ambient light sensor and infrared receiver. With Interactive-Dali, lighting is activated automatically when the room is in use and there is not enough natural light.

Empty room.
Timed lowering of light intensity.

Depending on personal characteristics (clearness of vision, required concentration, possible tiredness, etc.), or the nature of the activities being carried out (personal work, meeting, video projection, etc.), the user can optimise the comfort level by regulating the amount of light simply by using a switch or an optional remote control. After this simple setting, the system will automatically manage the operation of the device to keep the amount of light constant according to the daylight.

When the room is not being used, the light is automatically lowered and then switched off by a programmable timer.

Empty room.
Complete switch off.



1 Infrared detector.
2 Daylight sensor.
3 Movement detector.
4 Service button
(for programme selection).

Interactive-Dali technology is used in stand-alone devices, in some devices belonging to the same family connected to each other or to external Interactive-Dali components (such as a supplementary movement detector). No interconnection is therefore required to a Dali system already in the room.

Main advantages
High level of personalised operation.
"Plug and play" connection without the need to change the existing electrical system.
Option to manage up to ten devices, which may be divided into two groups.
Energy savings will bring a return on the investment.

Interactive-Dali components		Code
	Interactive-Dali kit, Ø86mm, white, recessed. Can be connected to up to 11 dimmable Dali units. It is operated by an Interactive-Dali remote control or button. ⌀72 mm	M074030
	Supplementary movement detector white, recessed. For use when the area to be covered is greater than 6.00 x 5.00m x h 2.5m. To be connected to one of the outputs of the Interactive-Dali control module. No further connections are needed. ⌀64 mm	M074130
	Interactive-Dali remote control.	M104900

Interactive Dali-Technology

Interactive Dali Devices

The master module (fitted with the Interactive-Dali system) can be connected to up to 10 other dimmable Dali devices.
It is operated by an Interactive-Dali remote control or an external or integrated button.

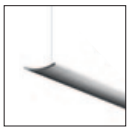
Dali Devices

For products with a Dimmable-Dali power supply unit, an external Interactive-Dali kit can be used, which can be fitted into the ceiling. This kit can control up to 11 Dali devices (slave modules).
It is operated by an Interactive-Dali remote control or button.

362 Chocolate terra LED

366
Chocolate terra
LED

376 Surf System LED

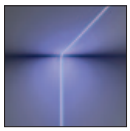


380
Surf System LED

380
Surf System LED

18 Algoritmo

30
Algoritmo Floor
LED

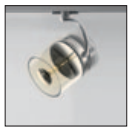


42
Algoritmo System
LED/fluo

60
Algoritmo System
LED/fluo

100
Algoritmo
Stand alone
LED/fluo

116 Cata



128
Cata
LED **TW**

129
Cata
LED

130
Cata
LED **TW**

131
Cata
LED

132 Airlite

146
Airlite
LED **TW**

148
Airlite
LED

152
Airlite
LED **TW**

154
Airlite
LED

158 Picto

174
Picto 100
LED

178
Picto 125
LED **TW**

180
Picto 125
LED

192
Picto 100
LED

196
Picto 125
LED **TW**

198
Picto 125
LED

238 PAD 80

246
PAD 80
LED

256 Everything

264
Everything M Std
LED

268
Everything M Std
LED

272
Everything M Pro
LED

274
Everything M Pro
LED

278 Luceri

280
Luceri LED

290
Luceri Kadro LED

300
Rastaf 86 LED

304
Rastaf 86 LED

306
Rastaf 86 LED

308
Tagora

314
Tagora 270
LED/fluo

318
Tagora 570
LED/fluo

320
Tagora 970
LED/fluo

326
Tagora 270
LED/fluo

330
Tagora 570
LED/fluo

332
Tagora 970
LED/fluo

340
Tagora 270
LED/fluo

342
Tagora 570
LED/fluo

344
Tagora 970
LED/fluo

348
Ourea 156 LED

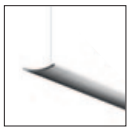
350
Ourea156 LED

351
Ourea 156 LED

354
Solar LED

359
Solar LED

376
Surf System LED



380
Surf System LED

380
Surf System LED

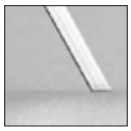
384
Surf Parete LED

385
Surf Parete LED

386
Fuso

389
Fuso LED

404
Nothing 86
System



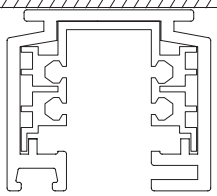
406
Nothing 86 System
LED/fluo

422
Nothing 86 System
LED/fluo

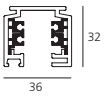
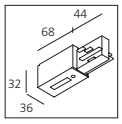
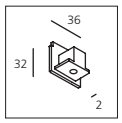
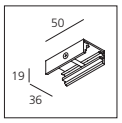
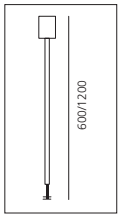
440
Nothing 86
Stand alone
LED/fluo

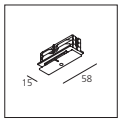
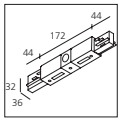
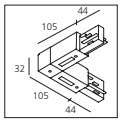
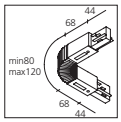
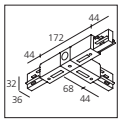
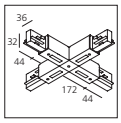
External three-circuit track

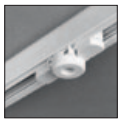
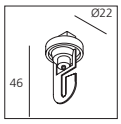
White ○ Black ● Aluminium ●



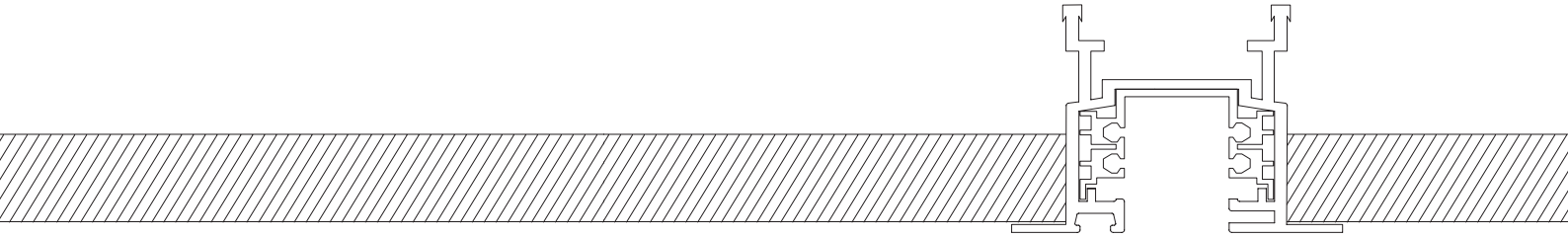
- Three-circuit track for surface mounting.
- Extruded aluminium profile in white, black or aluminium finish.
- Supplied in lengths of up to 4m, cut to measure.
- 2 versions: standard version with 5 conductors (1 earth, 1 neutral, 3 phases) each with a 2.5mm² section, or Dali version with 2 additional conductors allowing dimming of lights fitted with Dali dimmable control gear.
- Maximum intensity: 16a across the 3 circuits.
- Track is pre-cut every 33cm for fixing.
- Wide range of accessories, power supply components and electrical and mechanical connectors.

External three-circuit track		Color	Standard Code	Dali Code
	1000 mm 1,00 kg	○	L170020	L170021
		●	L170030	L170031
		●	L170070	L170071
	2000 mm 2,00 kg	○	L170120	L170121
		●	L170130	L170131
		●	L170170	L170171
	3000 mm 3,00 kg	○	L170220	L170221
		●	L170230	L170231
		●	L170270	L170271
	4000 mm 4,00 kg	○	L170320	L170321
		●	L170330	L170331
		●	L170370	L170371
	Power supply end cap Earth conductor on the left.	○	L170620	L170621
		●	L170630	L170631
		●	L170670	L170671
	Power supply end cap Earth conductor on the right.	○	L170720	L170721
		●	L170730	L170731
		●	L170770	L170771
	Closure end cap	○	L171620	
		●	L171630	
		●	L171670	
	Clip for steel cables or pendant coupler	○	L171720	
		●	L171730	
		●	L171770	
	Stem Ø13 mm. Can be cut to measure. For use with pendant clip or pendant coupler (on request).	○	L170420	
		●	L170430	
		●	L170470	

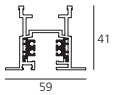
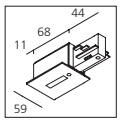
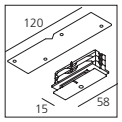
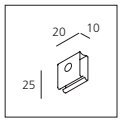
Joints		Color	Standard Code	Dali Code
	Recessed joint	○	L170920	L170921
		●	L170930	L170931
		◑	L170970	L170971
	Linear joint	○	L171020	L171021
		●	L171030	L171031
		●	L171070	L171071
	**90° joint** Internal earth conductor.	○	L171120	L171121
		●	L171130	L171131
		●	L171170	L171171
	90° joint External earth conductor.	○	L171220	L171221
		●	L171230	L171231
		●	L171270	L171271
	Flexible joint	○	L171520	L171521
		●	L171530	L171531
		●	L171570	L171571
	**3-way joint** Earth conductor on left.	○	L171820	L171821
		●	L171830	L171831
		●	L171870	L171871
	3-way joint Earth conductor on right.	○	L171320	L171321
		●	L171330	L171331
		●	L171370	L171371
	4-way joint	○	L171420	L171421
		●	L171430	L171431
		●	L171470	L171471

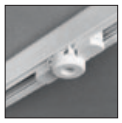
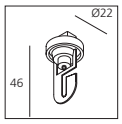
Accessories		Color	Standard Code	Dali Code
	Universal adapter 230/240V - 16A	○	L170020	L170020
		●	L170030	L170030
	**Universal hook** Maximum load 10 kg	○	L170020	L170020
		●	L170030	L170030
		●	L170070	L170070

Recessed three-circuit track



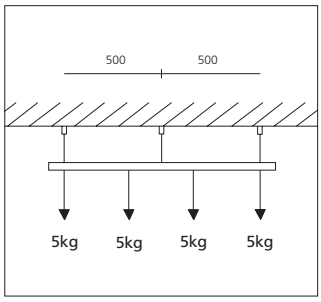
- Three-circuit track for recess mounting.
- Extruded aluminium profile in white, black or aluminium finish.
- Supplied in lengths of up to 4m, cut to measure.
- 2 versions: standard version with 5 conductors (1 earth, 1 neutral, 3 phases) each with a 2.5mm² section, or Dali version with 2 additional conductors allowing dimming of lights fitted with Dali dimmable control gear.
- Maximum intensity: 16a across the 3 circuits.
- Track is pre-cut every 33cm for fixing.
- Wide range of accessories, power supply components and electrical and mechanical connectors.

Recessed three-circuit track		Color	Standard Code	Dali Code
	2000 mm 2,30 kg	○	L172620	L172621
	3000 mm 3,50 kg	○	L172720	L172721
	4000 mm 4,60 kg	○	L172820	L172821
	40xL			
	Power supply end cap Earth conductor on left.	○	L176420	L176421
	Power supply end cap Earth conductor on right.	○	L176520	L176521
	Recessed joint	○	L173220	L173221
	Closure end cap	○	L173320	
	Clip for suspension cable (6 pieces)		L173400	
	Recessed power supply kit Supplied with end cap, power supply end cap, cable box (h 125mm) and set of cables (300 mm). 4.60 kg. (6 pieces)		L173520	

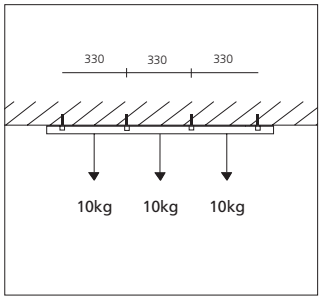
Accessories		Color	Standard Code	Dali Code
	Universal adapter 230/240V - 16A	○	L170020	L170020
		●	L170030	L170030
	Universal hook Maximum load 10 kg	○	L170020	L170020
		●	L170030	L170030
		●	L170070	L170070

Installation diagrams

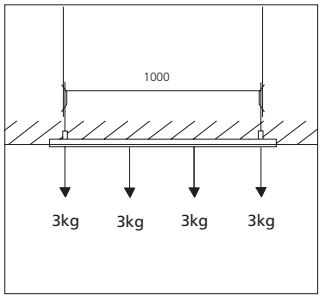
Load of tracks with spotlights in relation to fixing points
(includes the weight of the track)



Three-circuit track for pendant mounting with fixing points every 0.5m.
(Can also be used for recessed installation).

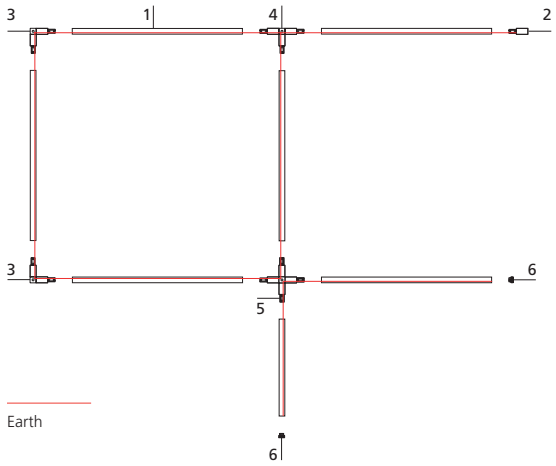


Three-circuit track for ceiling mounting with fixing points every 0.33m.



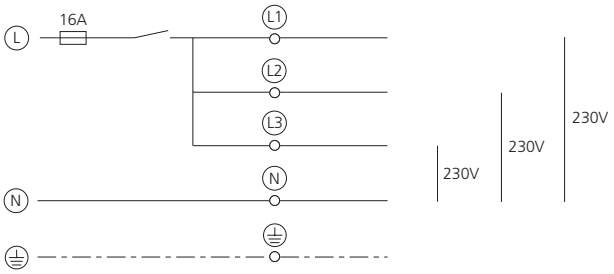
Three-circuit track for recessed installation with fixing points every metre.
(Can also be used for pendant mounting).

Earth conductor diagrams



1 Standard three-circuit track.
2 Power supply end cap, earth conductor on left.
3 90° joint, internal earth conductor.
4 3-way joint, earth conductor on left.
5 4-way joint.
6 Closure end cap.

Electrical diagram for alternating current 230V (220-240V)



Maximum W allowed: 3600W (max 16A total).
The load can be distributed over the 3 circuits as required.
Protection fuse: 1x16A.
Power supply cable section: min 3x1.5mm² - max 3x2.5mm².

230-240V LED lamps

LBS	ILCOS L	W	Beam	T color	Socket	Flux	CRI	Code
					GU10			
-	-	4W	25°	3000K		-	85	M004720

H m	Ø m	EMax lux	EM lux
1	0,39	550	247
2	0,78	137	61
3	1,17	61	27
4	1,56	34	15

TCR35-SE 3W 25°

LBS	ILCOS L	W	Beam	T color	Socket	Flux	CRI	Code
-	-	8W	25°	3000K	GU10	-	85	M004760
-	-	8W	40°	3000K	GU10	-	85	M004770
-	-	8W	25°	4000K	GU10	-	85	M004765
-	-	8W	40°	4000K	GU10	-	85	M004775

H m	Ø m	EMax lux	EM lux
1	0,43	1006	474
2	0,85	252	118
3	1,28	112	53
4	1,70	63	30

TCR50-SE 7W 3000K 25°

H m	Ø m	EMax lux	EM lux
1	0,71	402	168
2	1,42	100	42
3	2,14	45	19
4	2,85	25	11

TCR50-SE 7W 3000K 40°

H m	Ø m	EMax lux	EM lux
1	0,40	1148	547
2	0,79	287	137
3	1,19	128	61
4	1,58	72	34

TCR50-SE 7W 4200K 25°

H m	Ø m	EMax lux	EM lux
1	0,67	559	239
2	1,34	140	60
3	2,01	62	27
4	2,68	35	15

TCR50-SE 7W 4200K 40°

LBS	ILCOS L	W	Beam	T color	Socket	Flux	CRI
MR16	-	7W	36°-60°	2700K	G53	-	80
MR16	-	7W	36°-60°	3000K	G53	-	80
MR16	-	7W	36°-60°	4000K	G53	-	80
MR16	-	10W	36°-60°	2700K	G53	-	80
MR16	-	10W	36°-60°	3000K	G53	-	80
MR16	-	10W	36°-60°	4000K	G53	-	80

LBS	ILCOS L	W	Beam	T color	Socket	Flux	CRI
AR111	-	10W	40°	3000K	GU5,3	-	80
AR111	-	10W	40°	4000K	GU5,3	-	80

12V halogen lamps

LBS	ILCOS L	W	Beam	T color	Socket	Flux	CRI	Code
QT12-UVr-ax	HSGST/C/UB	35W ECO	-	3000K	GY6,35	900lm	100	M001245
QT12-UVr-ax	HSGST/C/UB	50W ECO	-	3000K	GY6,35	1250lm	100	M001250
QT12-UVr-ax	HSGST/C/UB	50W	-	3000K	GY6,35	950lm	100	M001260
QT12-UVr-ax	HSGST/C/UB	60W ECO	-	3000K	GY6,35	1650lm	100	M001005

LBS	ILCOS L	W	Beam	T color	Socket	Flux	CRI	Code
QR-CBC51	HRGS/UBIB	35W ECO	10°	3000K	GU5,3	-	100	M001155
QR-CBC51	HRGS/UBIB	35W ECO	24°	3000K	GU5,3	-	100	M001160
QR-CBC51	HRGS/UBIB	35W ECO	36°	3000K	GU5,3	-	100	M001165
QR-CBC51	HRGS/UBIB	35W ECO	60°	3000K	GU5,3	-	100	M001170
QR-CBC51	HRGS/UB	50W	10°	3000K	GU5,3	-	100	M001020
QR-CBC51	HRGS/UB	50W	24°	3000K	GU5,3	-	100	M001220
QR-CBC51	HRGS/UB	50W	36°	3000K	GU5,3	-	100	M001010
QR-CBC51	HRGS/UB	50W	60°	3000K	GU5,3	-	100	M001300

H m	Ø m	EMax lux	EM lux
1	0,17	14750	7364
2	0,34	3688	1841
3	0,50	1639	818
4	0,67	922	460

QR-CBC35 50W 10°

H m	Ø m	EMax lux	EM lux
1	0,36	5250	2505
2	0,73	1313	626
3	1,09	583	278
4	1,45	328	157

QR-CBC35 50W 24°

H m	Ø m	EMax lux	EM lux
1	0,66	2300	988
2	1,32	575	247
3	1,97	256	110
4	2,63	144	62

QR-CBC35 50W 36°

H m	Ø m	EMax lux	EM lux
1	1,07	1110	381
2	2,14	278	95
3	3,22	123	42
4	4,29	69	24

QR-CBC35 50W 60°

LBS	ILCOS L	W	Beam	T color	Socket	Flux	CRI	Code
QR111	HMGS/UBIB	35W ECO	8°	3000K	G53	-	100	M001175
QR111	HMGS/UBIB	35W ECO	24°	3000K	G53	-	100	M001180
QR111	HMGS/UBIB	50W ECO	8°	3000K	G53	-	100	M001185
QR111	HMGS/UBIB	50W ECO	24°	3000K	G53	-	100	M001195
QR111	HMGS/UB	50W	8°	3000K	G53	-	100	M001330
QR111	HMGS/UB	50W	24°	3000K	G53	-	100	M001340
QR111	HMGS/UBIB	65W ECO	8°	3000K	G53	-	100	M001310
QR111	HMGS/UBIB	65W ECO	24°	3000K	G53	-	100	M001395
QR111	HMGS/UB	75W	8°	3000K	G53	-	100	M001365
QR111	HMGS/UB	75W	24°	3000K	G53	-	100	M001360
QR111	HMGS/UB	100W	8°	3000K	G53	-	100	M001370
QR111	HMGS/UB	100W	24°	3000K	G53	-	100	M001390

H m	Ø m	EMax lux	EM lux
1	0,12	23091	11634
2	0,24	5773	2908
3	0,37	2566	1293
4	0,49	1443	727

QR111 50W 8°

H m	Ø m	EMax lux	EM lux
1	0,13	29992	15195
2	0,25	7498	3799
3	0,38	3332	1688
4	0,50	1874	950

QR111 75W 8°

H m	Ø m	EMax lux	EM lux
1	0,12	48000	23900
2	0,24	12000	5975
3	0,36	5333	2656
4	0,48	3000	1494

QR111 100W 8°

H m	Ø m	EMax lux	EM lux
1	0,40	4007	1929
2	0,80	1002	482
3	1,20	445	214
4	1,60	250	121

QR111 50W 24°

H m	Ø m	EMax lux	EM lux
1	0,41	5299	2505
2	0,81	1325	626
3	1,22	589	278
4	1,63	331	157

QR111 75W 24°

H m	Ø m	EMax lux	EM lux
1	0,40	8500	4044
2	0,79	2125	1011
3	1,19	944	449
4	1,58	531	253

QR111 100W 24°

Linear fluorescent lamps

LBS	ILCOS L	W	Beam	T color	Socket	Flux	CRI	Specs	Code
T16-SEAMLESS	FDH-28	28W	-	3000K	G5	2600lm	85	HE-FH	**M004810**
T16-SEAMLESS	FDH-28	28W	-	4000K	G5	2600lm	85	HE-FH	**M004815**
T16-SEAMLESS	FDH-54	54W	-	3000K	G5	4450lm	85	HO-FQ	**M004800**
T16-SEAMLESS	FDH-54	54W	-	4000K	G5	4450lm	85	HO-FQ	**M004805**

LBS	ILCOS L	W	Beam	T color	Socket	Flux	CRI	Specs	Code
T16	FDH-14	14W	-	3000K	G5	1200lm	85	HE-FH	**M004300**
T16	FDH-14	14W	-	4000K	G5	1200lm	85	HE-FH	**M004305**
T16	FDH-21	21W	-	3000K	G5	1900lm	85	HE-FH	**M004340**
T16	FDH-24	24W	-	3000K	G5	1750lm	85	HO-FQ	**M004370**
T16	FDH-24	24W	-	4000K	G5	1750lm	85	HO-FQ	**M004371**
T16	FDH-28	28W	-	3000K	G5	2600lm	85	HE-FH	**M004280**
T16	FDH-28	28W	-	4000K	G5	2600lm	85	HE-FH	**M004325**
T16	FDH-35	35W	-	3000K	G5	3300lm	85	HE-FH	**M004290**
T16	FDH-35	35W	-	4000K	G5	3300lm	85	HE-FH	**M004295**
T16	FDH-39	39W	-	3000K	G5	3100lm	85	HO-FQ	**M004380**
T16	FDH-39	39W	-	4000K	G5	3100lm	85	HO-FQ	**M004381**
T16	FDH-54	54W	-	3000K	G5	4450lm	85	HO-FQ	**M004350**
T16	FDH-54	54W	-	4000K	G5	4450lm	85	HO-FQ	**M004355**
T16	FDH-80	80W	-	3000K	G5	6150lm	85	HO-FQ	**M004360**
T16	FDH-80	80W	-	4000K	G5	6150lm	85	HO-FQ	**M004365**

Compact fluorescent lamps

LBS	ILCOS L	W	Beam	T color	Socket	Flux	CRI	Code
TC-DEL	FSQ-13	13W	-	3000K	G24q-1	900lm	85	**M004630**
TC-DEL	FSQ-18	18W	-	3000K	G24q-2	1200lm	85	**M004188**
TC-DEL	FSQ-26	26W	-	3000K	G24q-3	1800lm	85	**M004181**

LBS	ILCOS L	W	Beam	T color	Socket	Flux	CRI	Code
TC-TEL	FSM-14	14W	-	3000K	GR14q-1	1200lm	85	**M004035**
TC-TEL	FSM-17	17W	-	3000K	GR14q-1	1500lm	85	**M004031**

LBS	ILCOS L	W	Beam	T color	Socket	Flux	CRI	Code
TC-LEL	FSD-18	18W	-	3000K	2G11	1200lm	85	**M004140**
TC-LEL	FSD-36	36W	-	3000K	2G11	2900lm	85	**M004190**
TC-LEL	FSDH-55	55W	-	3000K	2G11	4800lm	85	**M004400**
TC-LEL	FSDH-80	80W	-	3000K	2G11	6500lm	85	**M004660**

Metal iodide lamps

LBS	ILCOS L	W	Beam	T color	Socket	Flux	CRI	Code
HIT-TC-CE	MT/UB-20	20W	-	3000K	GU6,5	1600lm	80-85	**M004835**
HIT-TC-CE	MT/UB-20	35W	-	3000K	GU6,5	3400lm	80-85	**M004830**

LBS	ILCOS L	W	Beam	T color	Socket	Flux	CRI	Code
HIT-TC-CE	MT/UB-20	20W	-	3000K	G8,5	1700lm	80-85	**M003080**
HIT-TC-CE	MT/UB-35	35W	-	3000K	G8,5	3400lm	80-85	**M003030**
HIT-TC-CE	MT/UB-70	70W	-	3000K	G8,5	6600lm	80-85	**M003090**

LBS	ILCOS L	W	Beam	T color	Socket	Flux	CRI	Code
HIT-CE	MT/UB-35	35W	-	3000K	G12	3300lm	85	**M003165**
HIT-CE	MT/UB-70	70W	-	3000K	G12	6600lm	85	**M003150**
HIT-CE	MT/UB-70	70W	-	4200K	G12	6600lm	85	**M003155**
HIT-CE	MT/UB-150	150W	-	3000K	G12	14000lm	85	**M003160**

LBS	ILCOS L	W	Beam	T color	Socket	Flux	CRI	Code
HIPAR51-CE-P	MRS/UB-20	20W	10°	3000K	GX10	-	80-85	**M003320**
HIPAR51-CE-P	MRS/UB-20	20W	25°	3000K	GX10	-	80-85	**M003330**
HIPAR51-CE-P	MRS/UB-20	20W	40°	3000K	GX10	-	80-85	**M003340**
HIPAR51-CE-P	MRS/UB-35	35W	12°	3000K	GX10	-	80-85	**M003275**
HIPAR51-CE-P	MRS/UB-35	35W	25°	3000K	GX10	-	80-85	**M003280**
HIPAR51-CE-P	MRS/UB-35	35W	40°	3000K	GX10	-	80-85	**M003290**

H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
1	0,15	36401	18265	1	0,17	55197	27849
2	0,30	9100	4566	2	0,34	13799	6962
3	0,45	4045	2029	3	0,50	6133	3094
4	0,60	2275	1142	4	0,67	3450	1741
HIPAR51-CE-P 20W 10°				HIPAR51-CE-P 35W 12°			

H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
1	0,37	8385	4009	1	0,41	13953	6578
2	0,75	2096	1002	2	0,83	3488	1644
3	1,12	932	445	3	1,24	1550	731
4	1,50	524	251	4	1,66	872	411
HIPAR51-CE-P 20W 25°				HIPAR51-CE-P 35W 25°			

H m	Ø m	EMax lux	EM lux	H m	Ø m	EMax lux	EM lux
1	0,69	4450	1887	1	0,62	8300	3613
2	1,38	1113	472	2	1,25	2075	903
3	2,07	494	210	3	1,87	922	401
4	2,75	278	118	4	2,49	519	226
HIPAR51-CE-P 20W 40°				HIPAR51-CE-P 35W 40°			

Artemide®

Headquarters

Artemide S.p.A.
Via Bergamo, 18
20010 Pregnana Milanese (MI), Italy
Tel. (+39) 02/93518.1 - 93526.1
Numero verde 800 834 093
(from Italy only)
info@artemide.com
www.artemide.com

Architectural division

Artemide Architectural S.A.S.
Z.I. du Breuil
18400 Saint Florent sur Cher, France
Tel. (+33) 02/48 23 99 00
artemide.architectural@artemide.fr

Nord Light S.p.A.
Via Bergamo, 18
20010 Pregnana Milanese (MI), Italy
Tel. (+39) 02/93518.1
Tel. (+39) 02/93526.1

Argentina

Head office and Showroom:
Edimetra S.A.
Paraguay 792, 3rd floor
1057 Buenos Aires
Tel. (+54) 4312/4871
info@artemide.com.ar

Austria

Head office and Showroom:
Artemide
Handelsgesellschaft mbH
Gonzagagasse 1 / Morzinplatz
1010 Wien
Tel. (+43) 01/803 21 82
info@artemide.at

Australia

Australian Head office
and Adelaide Showroom:
Ornare Imports Pty. Ltd.
28 Fullarton Rd, Norwood SA 5067
Tel. (+61) 08 8362 3029
info@artemide.com.au
www.artemide.com.au

Office and Showrooms:
Sydney
504-508 Cleveland St
Surry Hills NSW 2010
Tel. (+61) 02 9699 8472
sydney@artemide.com.au

Melbourne
46-48 Rathdowne St
Carlton VIC 3053
Tel. (+61) 03 9349 3310
melbourne@artemide.com.au

Benelux (Belgium/Holland/Luxemburg)

Head office: Horas S.A.
Beemdstraat 25
1601 Ruisbroek, Belgium
Tel. (+32) 02/334 84 50
artemide_benelux@artemide.com

Showroom and Lighting
Consultancy Centers:
Brussels
Chaussée de Waterloo 410
1050 Brussels - Belgium
Tel. (+32) 02/534 03 67
artemide.brussels@skynet.be

Amsterdam
Hobbemakade 89, 1071 XR
Amsterdam - Holland
Tel. (+31) 20/4702668
artemide.amsterdam@artemide.nl

Brasil

Artemide Brasil
Representação Comercial Ltda.
São Paulo
Tel. (+55) 11/949100095
artemide_brasil@artemide.com

Canada

Head office
Artemide Ltée/Ltd.
11105 rue Renaude Lapointe,
Montréal, Québec H1J 2T4
Tel. (+1) 514 323 6537
Toll free (+1) 888 777 2783
infocanada@artemide.net
www.artemide.net

Showrooms
Montreal
440, rue Saint-Pierre
Montréal, Québec H2Y 2M5
Tel. (+1) 514 788 3788
Fax. (+1) 514 788 4605
montreal@artemide.net

Toronto
5 Mill Street,
Toronto, Ontario M5A 3R6
Tel. (+1) 416 628 6718
Fax. (+1) 416 628 6827
toronto@artemide.net

Sales office:
Vancouver
Tel. (+1) 778 650 5157
vancouver@artemide.net

China

Head office and Showroom:
Artemide Trading
(Shanghai) Co., Ltd.
Unit A102-202,
Wending Living Style
Plaza No. 258 Wending Road
Shanghai 200030
Tel. (+86) 21 6122 3408
info@artemide.cn

Showrooms:
Beijing
Unit B245, Cofco Plaza
No. 8 Jiangguomennei Street
Dongcheng District, Beijing
Tel. (+86) 10 8511 8718

Beijing
Unit 007/5F,
No. 5 International Furniture
Hall of Easy Home
No. 65 North 4th Ring Road
Chaoyang District, Beijing
Tel. (+86) 10 8463 6098

France

Head Office and Showroom:
Artemide France S.A.S.
52, avenue Daumesnil,
75012 Paris
Tél. (+33) 1/43 44 44 44
artemide@artemide.fr

Germany

Head office:
Artemide GmbH
Hans-Böckler-Straße 2
58730 Fröndenberg
Tel. (+49) 02373/975.0
info@artemide.de

Office:
München
Luise-Ullrich-Straße 20
80636 München
Tel. (+49) 089/70065198
muenchen@artemide.de

Showroom:
Frankfurt
Baseler Straße 10, 60329 Frankfurt
Tel. (+49) 069/3399 5690
frankfurt@artemide.de

Great Britain

Head office, Showroom and Lighting Consultancy Center:
Artemide GB Ltd.
106 Great Russell Street
London WC1B 3NB
Tel. (+44) 0/207 631 5200
info@artemide.co.uk

Greece

Head office:
Artemide Hellas S.A.
34, Solonos Str., 10 673 Athens
Tel. (+30) 210/364 6770.4.5
info@artemide.gr

Showroom:
Thessaloniki
92, G. Papandreou Str.
54 665 Thessaloniki
Tel. (+30) 2310/403 934.5

Hong Kong

Head office:
Artemide Ltd.
Unit 1303, 13/F, Ruttonjee House
Ruttonjee Centre, 11 Duddell Street
Central, Hong Kong
Tel. (+852) 2523 0050
info@artemide.com.hk

Showroom:
Shop 102-103, Ruttonjee Centre
11 Duddell Street,
Central, Hong Kong
Tel. (+852) 2523 0333

India

Head office:
Artemide Lighting India Pvt. Ltd.
Unit no 5, 2nd floor
Raghuvanshi Mansion
Raghuvanshi Mills Compound
Senapati Bapat Marg, lower parel
Maharashtra, Mumbai 400013
Tel. (+91) 22/61774800
info@artemide.in

Italy

Head office:
Artemide Italia S.r.l.
Via Bergamo 18
20010 Pregnana Milanese (MI)
Tel. (+39) 02/93518.1
Tel. (+39) 02/93526.1
Numero Verde 800 834 093
info@artemide.com

Showrooms:
Milano
Corso Monforte 19, 20122 Milano
Tel. (+39) 02/76006930
Tel. (+39) 02/794039
monforte@artemide.com

Via Manzoni 12, 20121 Milano
Tel. (+39) 02/778712201
Tel. (+39) 02 78712202
manzoni@artemide.com

Roma
Via Margutta 107, 00187 Roma
Tel. (+39) 06/36001802
Tel. (+39) 06/36001808
margutta@artemide.com

Napoli
Via Gaetano Filangieri 16/C
80121 Napoli
Tel. (+39) 081/4207283
filangieri@artemide.com

Lighting Consultancy Centers:
Milano
Via Manzoni 12, 20121 Milano
Tel. (+39) 02/778712201
Tel. (+39) 02/78712202
manzoni@artemide.com

Roma
Via Pisanelli 1, 00196 Roma
Tel. (+39) 06/94537550
pisanelli@artemide.com

Japan

Head office:
Artemide Japan K.K.
1104 Showamachi 2-1-16 Kita Ku
Tokyo 114-0011
Tel. (+81) 03/5692 4677
info@artemide.co.jp

Mexico

Head Office
Showroom & Customer Service:
Scultura Luminosa
Suderman # 246
Col Chapultepec Morales
Mexico D.F., 11570
Tel. (+52) 55 5250 2661
Tel. (+52) 55 4633 2744
info@artemide.mx

Portugal

Head office and Showroom:
Foton Illuminaçao Ltda
Rua da Garagem 3
2795-510 Carnaxide
Tel. (+351) 21/416-90-70; 71; 72
geral@foton.pt

Russia

Head office:
Artemide Agency OOO
Bolshoj Zlatoustinskij Pereulok, Bldg 1, office 100, 101000 Moscow
Tel. (+7) 495/984 2238
info@artemide-agency.ru

Scandinavia

Head office & Showroom:
Artemide Scandinavia A/S
Skudehavnsvej 5
DK-2100 Copenhagen, Denmark
Tel. (+45) 7020 1700
info@artemide.dk

South Korea

Head office and Showroom:
Duomo&Co., Ltd.
Taeyang Bldg.
33-17, Nonhyun-dong
Gangnam-gu Seoul Korea
Tel. (+82) 02 516 7083
info@duomokorea.com
www.duomokorea.com

Spain

Head office: Artemide S.A.
C/Vico, 12-18, 08021 Barcelona
Tel. (+34) 93/478 3911
artemide@artemide.es

Switzerland

Head office and Showroom:
Artemide Illuminazione S.A.
Bären-Gasse 16, 8001 Zürich
Tel. (+41) 043/268 2727
info@artemide.ch

United Arab Emirates

Representative Office:
Artemide Middle East-Dubai Office
P.O. Box 18526 Dubai,
LOB 16-204
Jebel Ali Free Zone
Tel. (+971) 4/887 2022
artemide@eim.ae

U.S.A.

Headquarters, National Sales and Customer Service Center:
Artemide, Inc.
250 Karin Lane
Hicksville, NY 11801
Tel. (+1) 631 694 9292
Fax. (+1) 631 694 9275
Toll Free (+1) 877 Art 9111
infousa@artemide.net

Artemide Showrooms:
Chicago, IL
414 N. Orleans Street, #103
Chicago, IL 60654
Tel. (+1) 312 475 0100
Fax. (+1) 312 475 0112
chicago@artemide.net

Los Angeles, CA
9006 Beverly Blvd.
West Hollywood, CA 90048
Tel. (+1) 310 888 4099
Fax. (+1) 310 888 4098
losangeles@artemide.net

Miami, FL
2222 Ponce de Leon Boulevard
Coral Gables, FL 33134
Tel. (+1) 305 444 5800
Fax. (+1) 305 444 5801
miami@artemide.net

New York, NY
46 Greene Street
New York, NY 10013
Tel. (+1) 212 925 1588
Fax. (+1) 212 925 2429
newyork@artemide.net

San Francisco, CA
855 Montgomery Street
San Francisco, CA 94133
Tel. (+1) 415 393 9955
Fax. (+1) 415 393 9959
sanfrancisco@artemide.net

Affiliated Sales office:
Dallas, TX
Tel. (+1) 214 747 8344
dallas@artemide.net

Philadelphia, PA
Tel. (+1) 215 733 9877
philadelphia@artemide.net

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Graphic design
Studio Cerri & Associati
Pierluigi Cerri
Alessandro Colombo
with
Roberto Libanori

Art direction & editing
Studio de Bevilacqua
Carlotta de Bevilacqua
with
Ippolita Ciampini
Paola Monaco di Arianello

Visual engineering
Simone Fantoni
Paola Monaco di Arianello
Alessandro Peccati

Still lifes
Jean Pierre Maurer
Manuel Maurer
Gio Pini
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Miro Zagnoli

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