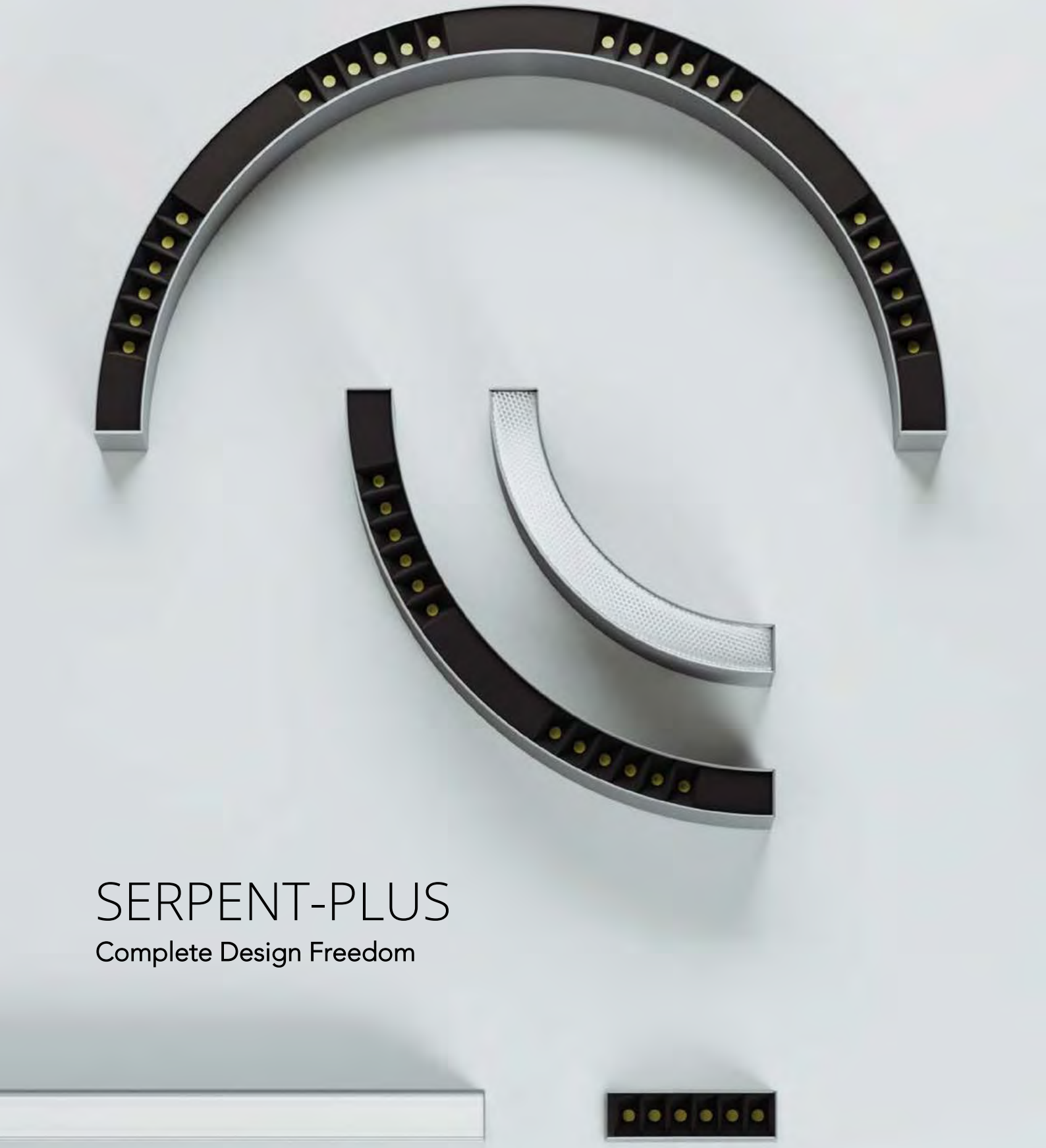
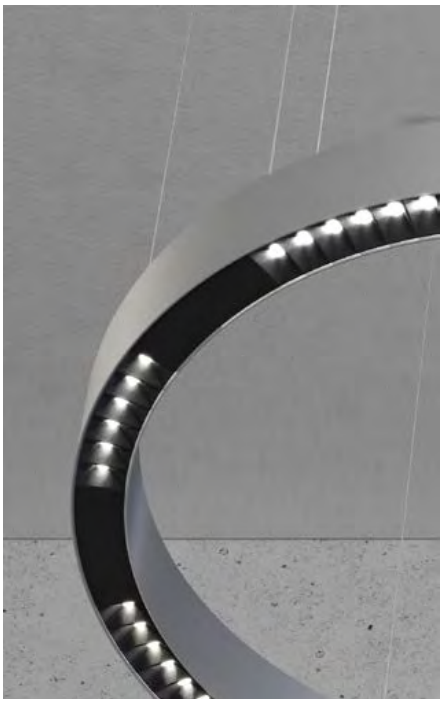
Impact
LIGHTING SOLUTIONS



SERPENT-PLUS

Complete Design Freedom

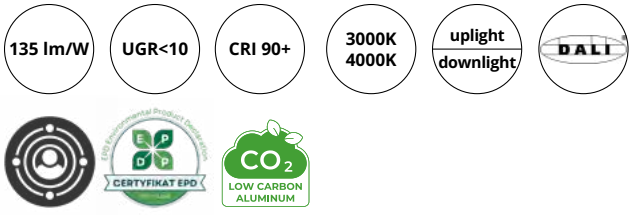
Curved & Linear Systems



Flexible forms and LED performance in one system

SERPENT-PLUS is a new generation of LED luminaires, designed for modern architecture and interiors. It offers complete design freedom — from clean, straight lines to bold geometric forms. Combining flexibility, energy efficiency, and ease of installation, the system introduces innovations such as magnetic connectors, a silicone uplight cover, an enhanced reflector, and advanced customisation options.

Ideal for offices, galleries, hotels, restaurants, and exhibition spaces, SERPENT-PLUS delivers a seamless balance of quality, functionality, and aesthetics.



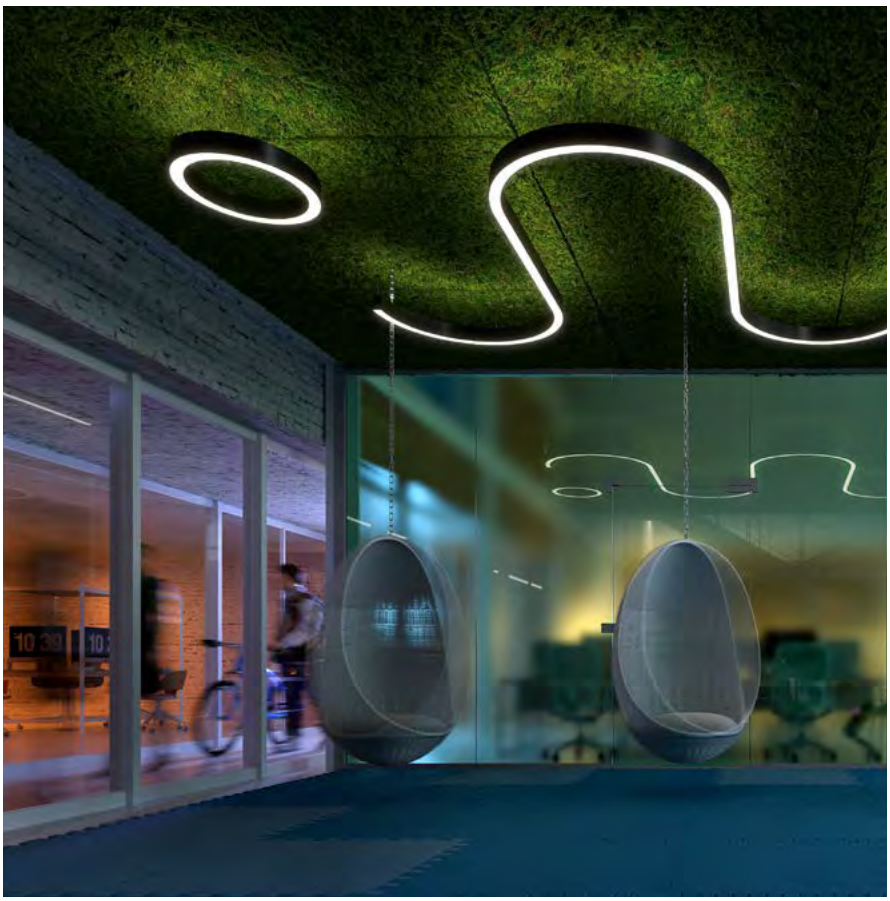
For offices and commercial spaces

Visual comfort and productivity
Low UGR reduces visual fatigue and increases productivity.

High luminous efficacy
Efficiency of up to 135 lm/W, from the finished luminaire, ensures low energy consumption and running costs.

Uplight/Downlight function
Flexible lighting modelling, from intense work light to a subtle background.

Precise light control
The different types of optics available (milky, micro-prismatic, DOT-45 lenticular), allow for precise light direction.



For galleries, hotels and restaurants

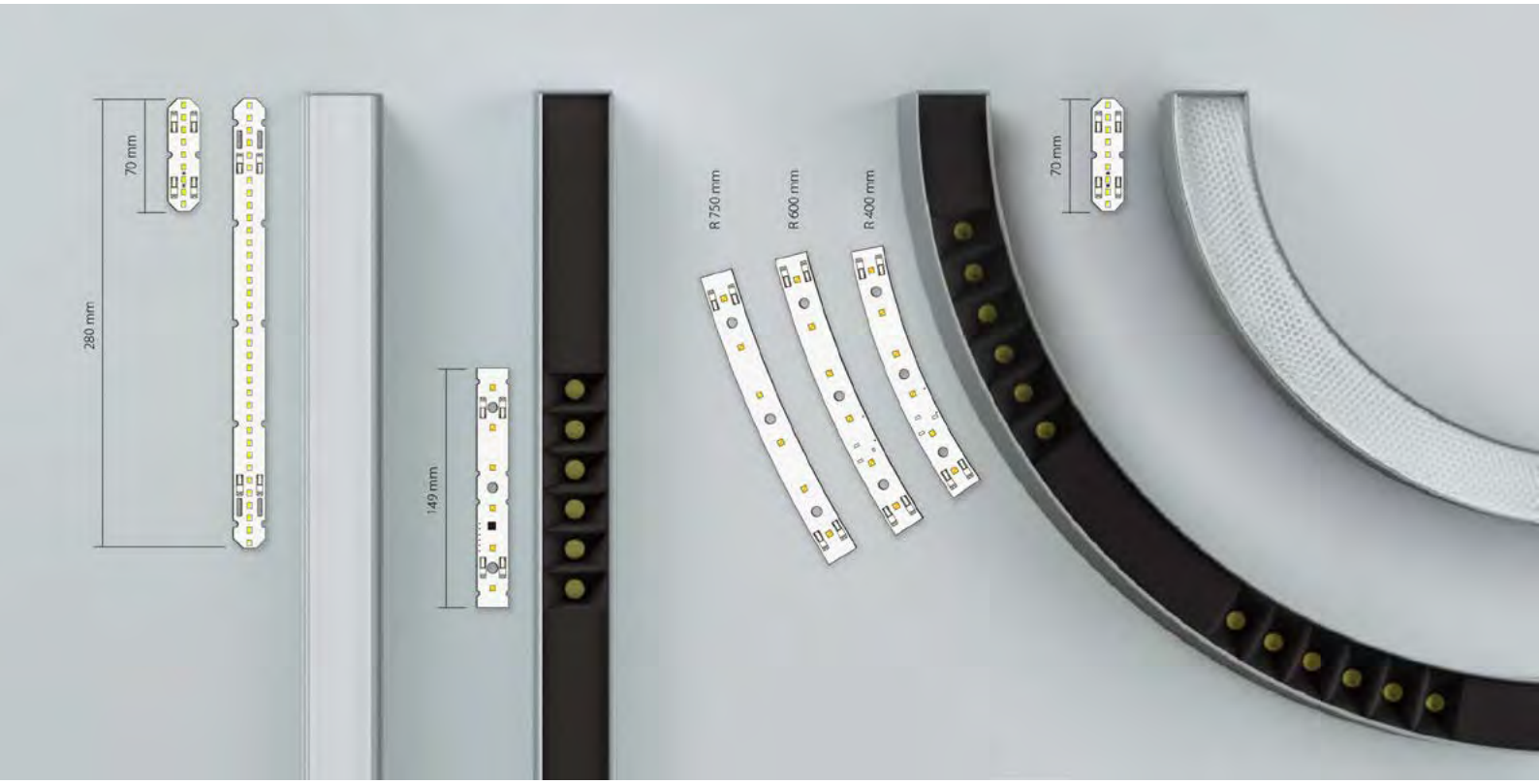
Complete design freedom
From simple lines to complex geometric compositions.

Creating atmospheres and lighting scenes
DALI control allows flexible shaping of lighting scenes.

High light quality
LED modules ensure uniform light emission with high colour consistency (CRI ≥90), which is crucial for faithful colour reproduction.

Premium aesthetics and finish
Available in a range of housing colours and elegant accessories.

Safety and durability
The luminaires are made from high quality aluminium, with all components meeting stringent safety standards.

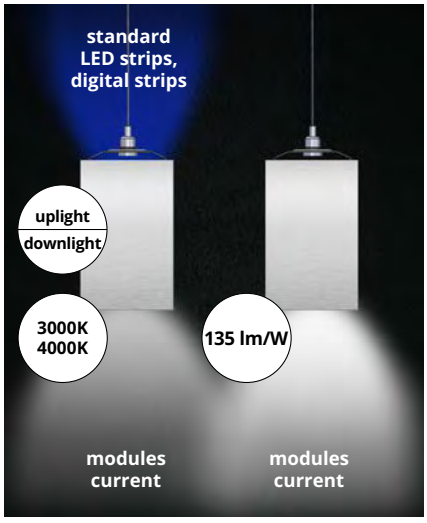


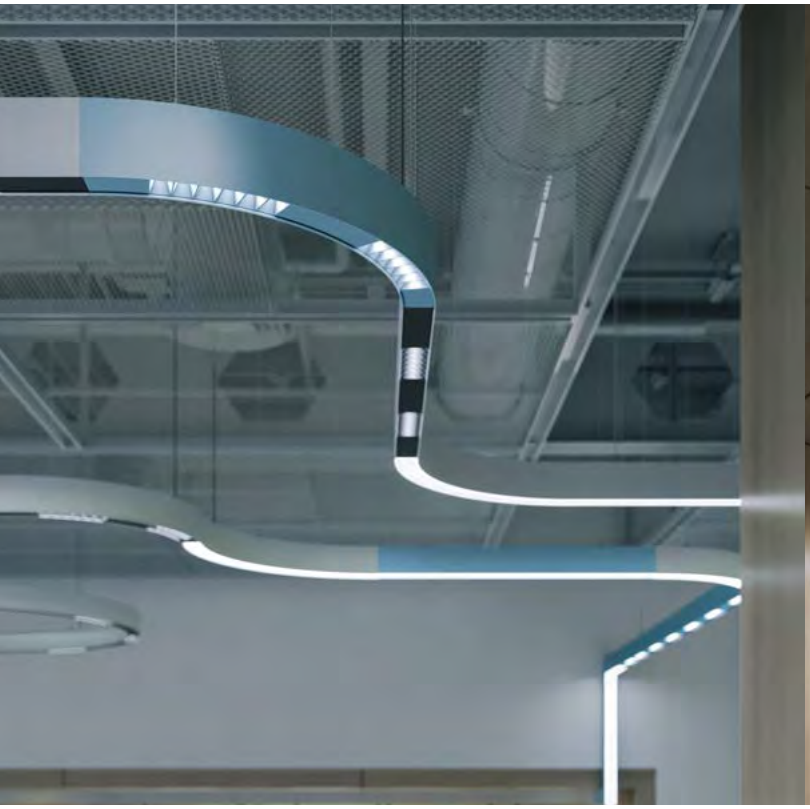
The heart of every luminaire is its light source

Fixed-current LED modules (220–240 V/AC) are the primary light source, delivering uniform distribution, high luminous efficacy, and consistent colour with minimal energy loss.

In SERPENT-PLUS finished luminaires, efficacy can reach **135 lm/W,** translating directly into energy savings, lower operating costs, and enhanced environmental responsibility in line with today's increasingly stringent building standards.

For the uplight version, **standard LED strips** and **zigzag bending strips** are provided. **Digital LEDs** are available on request, enabling control of individual light segments for advanced lighting effects — such as shimmering, dynamic colour uplighting.





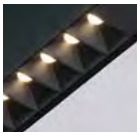
Light control matched to vision

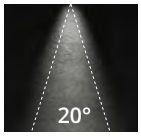
The milk shield provides even dispersion ideal for general lighting, the micro-prismatic shield offers glare control with high efficiency. The DOT-45 lens allows the light to be precisely directed at angles of 20° or 48°.

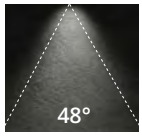
This variety of optical options allows the creation of completely different atmospheres in a space using the same luminaire system.

Frosted cover

Microprismatic cover







DOT optics

Light colour matters

SERPENT-PLUS luminaires are available in two light colours 3000K and 4000K.

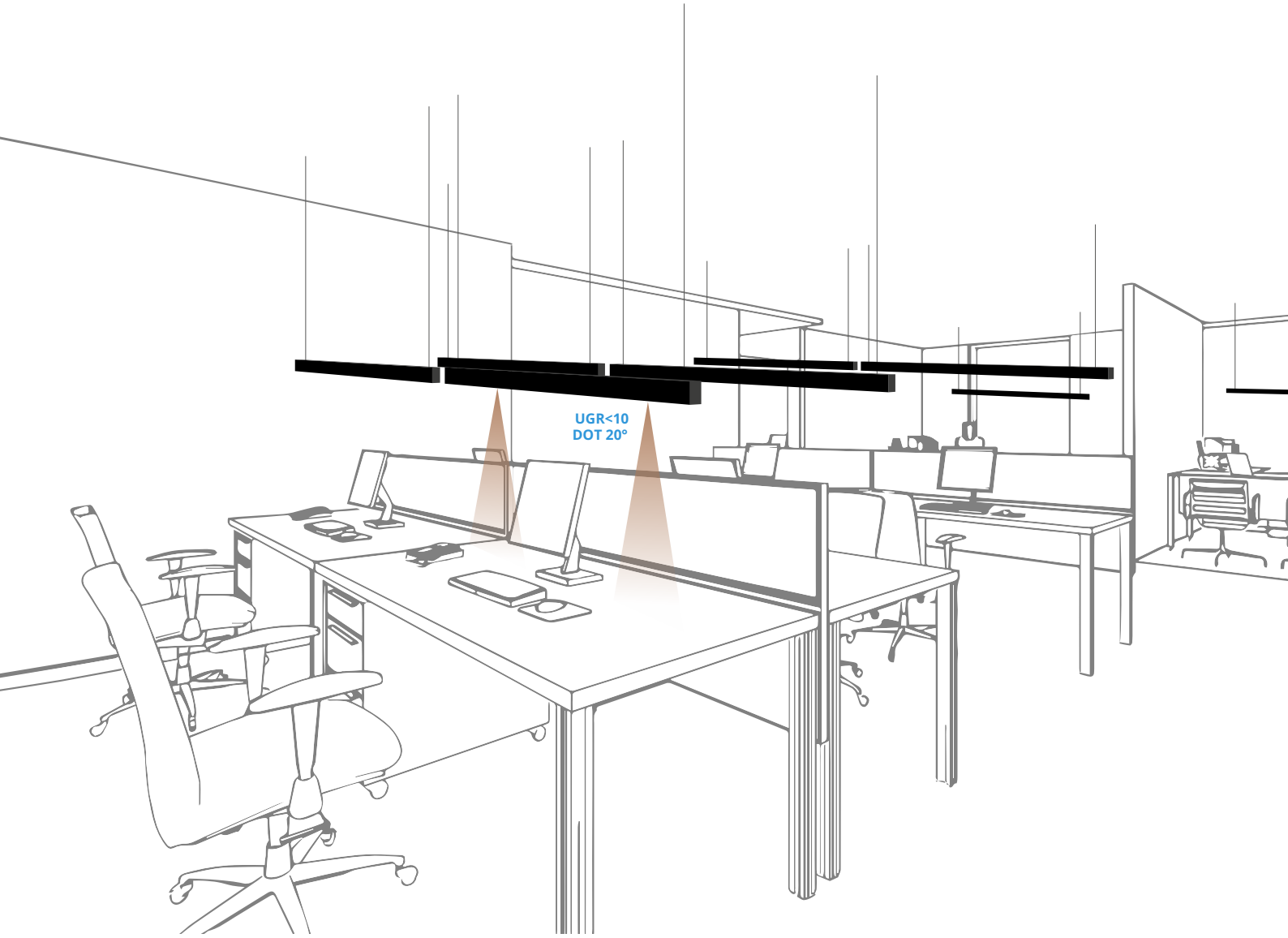
3000 K (warm white) is the most popular LED colour, pleasing to the eye and creating a cosy atmosphere. It is a versatile choice for interiors where a warm but not overly yellow tone is desired. It works well in modern hotel rooms, lobbies or restaurants.

4000 K (Neutral white) is reminiscent of natural, comfortable daylight. It is ideal for offices and areas that require good visibility and concentration. It is also often chosen for modern, minimalist settings.

Ideal workplace lighting

Uplight / Downlight - The combination of uplight and downlight within a single luminaire opens up new design possibilities, enabling multi-layered light compositions. With DALI control, both sections can be managed independently, allowing the creation of tailored lighting scenes throughout the day.

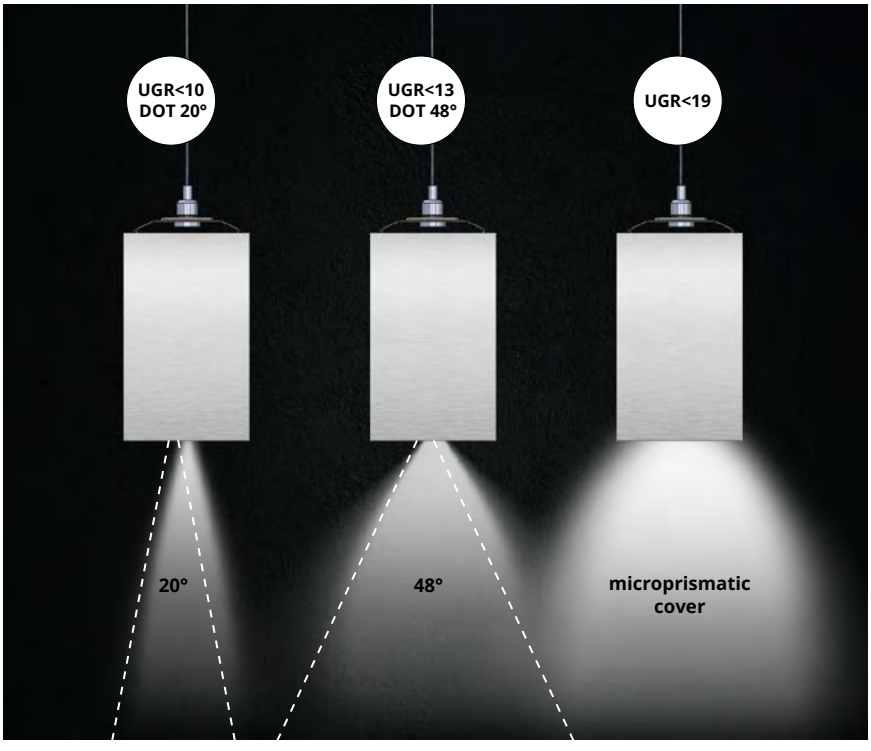
In office settings, this could mean bright, focused lighting for productive daytime work, shifting to softer backlighting for meetings and presentations in the afternoon.

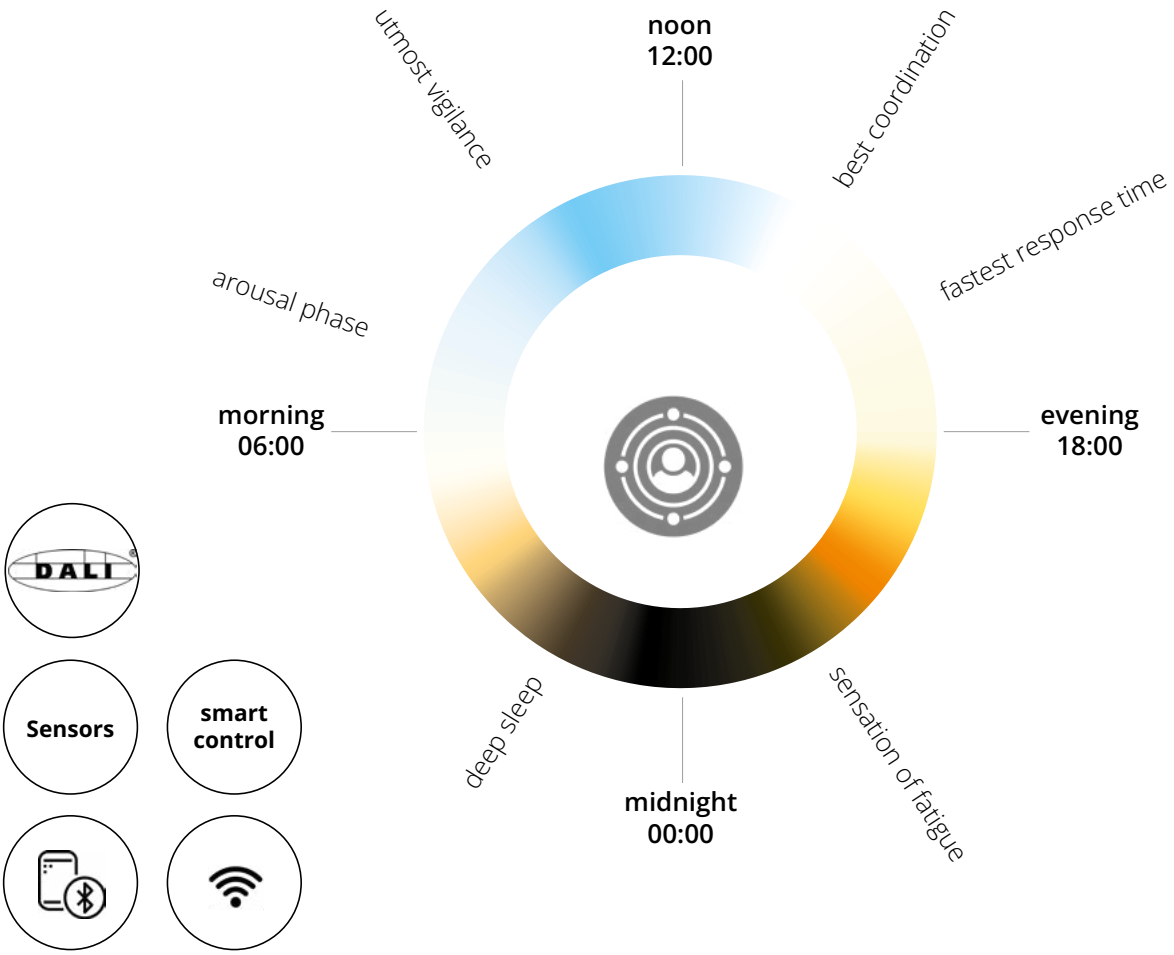


Low UGR – reducing glare and eye fatigue
A low UGR (Unified Glare Rating) plays a crucial role in reducing eye strain and improving visual comfort.

Luminaires equipped with DOT optics and UGR <10, with a distribution angle of 20°, are perfectly suited for precise workstation illumination. For relaxation areas, luminaires with DOT optics and UGR <13, offering a wider 48° distribution angle, create a softer and more comfortable atmosphere.

As general lighting, luminaires with micro-prismatic shielding and UGR <19 provide excellent luminous efficiency, making them an ideal solution for brightening entire rooms evenly and effectively.





HCL concept - light that synchronises you with nature

The Human Centric Lighting (HCL) concept focuses on people's needs and the impact of lighting on well-being, productivity, and health.

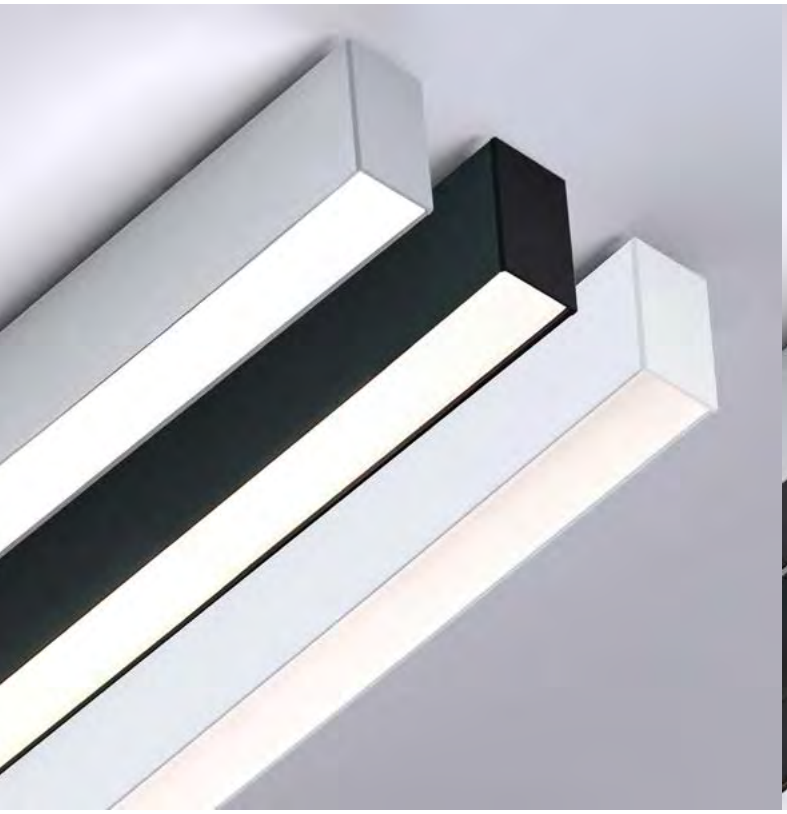
By simulating natural daylight with biologically effective artificial light, the internal clock can be influenced and the diurnal rhythm stabilised. As a result, people are able to concentrate better, work more efficiently, and enjoy improved sleep quality.

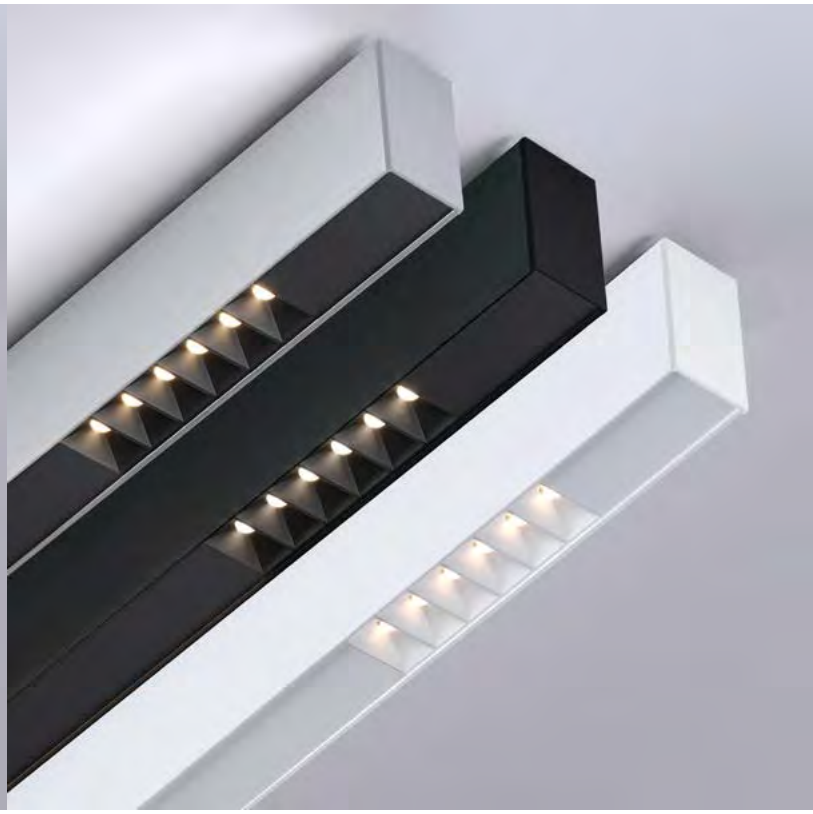
Under HCL, light with a high blue content (colour temperature of at least 5300 K) is used from morning to afternoon, as it has an activating effect and boosts productivity.

Towards evening, the colour temperature shifts to warmer tones (below 3000 K), which promote relaxation. HCL's dynamic solutions adjust brightness and colour temperature in harmony with the natural course of daylight, moving from an energising cool white to a calming warm white.

SERPENT-PLUS with DALI control
Controlled via the DALI protocol, SERPENT-PLUS luminaires enable precise adjustment of both colour temperature and light intensity. In offices, this means lighting can be adapted to the time of day and the nature of the activity, improving comfort and concentration.

In schools, it creates conditions that support learning and align with the natural diurnal cycle. In hospitals, it enhances patient well-being by simulating the positive effects of natural daylight.





Quality in every material, precision in every detail

All products are made from high-quality, double-anodised aluminium. Painted versions feature perfectly colour-matched elements for a seamless finish. Attention to detail, including elegant NHQ caps, dedicated headliners, and colour-matched fixtures, improving the aesthetic value of any interior, reinforcing the impression of a refined lighting design. In addition, available covers can be tailored to specific project needs.

Downlight covers

- frosted covers that diffuse light and meets the non-flammable standard
- prismatic covers with low glare coefficient UGR<10

Uplight covers

- silicone frosted covers with high non-flammability rating
- clear covers for maximum light efficiency.

The power of universal colours, the beauty of nature's colours

The standard **finish palette** includes black and silver anodising, as well as white lacquer. Four additional colours are available on request: caramel, sand, pastel blue, and light sage. Depending on the design intent, the fixture can either blend seamlessly into the architecture or stand out as a distinctive accent.

silver anodised | black anodised | white lacquered

caramel | sand | light sage | pastel blue

We believe in responsible design and manufacturing

One of the first products to be manufactured using special **low-carbon aluminium.** By relying on renewable energy sources, carbon emissions are reduced to less than a quarter of the global average for every kilogram of aluminium produced. As a result, we offer raw material for luminaires with one of the lowest carbon footprints in the world.

By minimising environmental impact, we maximise value for our customers. Our suppliers provide **Environmental Product Declarations (EPDs)**, ensuring transparency and demonstrating environmental care at every stage of the product life cycle.

Installation made simple

Suspended luminaire system

The suspended version includes a complete mounting kit with cables. A wide range of accessories is also available to support installation, including ZM connectors, cable covers, BOX-M70, BOX-M600, and Fi-80 soffits, offered in three colour options: silver, black, and white

Uplight function

The silicone uplight cover is press-fit, making installation intuitive and fast. Its specially designed shape prevents incorrect attachment, while the roll format allows the cover to be easily cut to size, optimising logistics and storage

Surface-mounted luminaire system

SERPENT-PLUS surface-mounted luminaires are available as downlights and attach directly to the surface with the included fasteners. For stabilisation when connecting luminaires, ZM connectors are used.

Magnetic bonding modules

Thanks to an advanced magnetic connector system, components can be joined quickly and intuitively, without affecting the luminaire's internal structure. This innovative solution enables ready-made luminaires to be connected instantly, significantly reducing installation time.

Modular design: sections and curves

The system includes straight sections **(lengths: 843 / 1123 / 1403 / 1683 / 1963 mm) and arcs in ½ and ¼ circle segments (radii: R400 / R600 / R750 mm).** All luminaires are available in two mounting versions: built-in and suspended.

The flexible configuration of modules allows the creation of both straight and curved light lines. This makes the system highly adaptable to the architectural and aesthetic requirements of different spaces.

Compatibility of modules

The two mounting systems can be combined to create compositions of suspended luminaires, with the option to transition seamlessly to a surface-mounted installation.

Modularity and customisation

We understand how important it is to tailor lighting to the unique requirements of each space. Our solutions combine modern design and high energy efficiency with extensive customisation possibilities.

For all bespoke solutions, please contact our Sales Department.

Flexible module options

- **Individual modules** can be added, removed, or swapped for another variant (e.g. a luminaire with more DOT optics, a white luminaire with black DOT optics, or a luminaire with a microprismatic shield combined with blends).
- **DOT optics arrangement** can be changed.
- **Custom colour finishes:** NCS (lacquered entire luminaire including DOT, caps, and blends) or RAL (lacquered body only). Mixed colour versions are also available (e.g. a white luminaire with caramel DOT, blends, and blinds).

Bespoke lengths and forms

- **Custom straight lengths** designed around fixed DOT dimensions.
- **Adjustable arc lengths** (without changing the radius), available up to 2700 mm, based on fixed DOT dimensions.
- **Tailored covers and blends** to suit project needs.

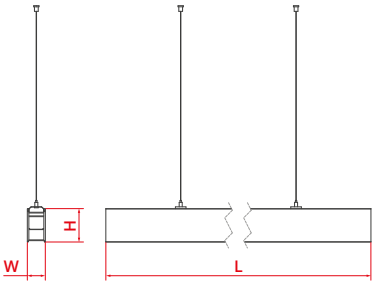
Customization of components electronic

- **LED options for uplight versions:** digital LEDs, current modules, RGB LEDs, RGBW, etc.
- **Wide colour temperature range:** 2700–7800K (clear white).
- **Independent control** for downlight and uplight.
- **Optional control systems and switches.**
- **Custom power supply output location.**

SERPENT-PLUS ZW

Linear, pendant luminaire

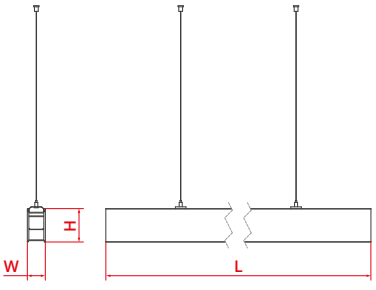
Material	aluminium
Available colors:	silver anodised, black anodised, white lacquer
Height [H]	88 mm
Width [W]	48 mm
Length [L]	843 mm, 1123 mm, 1403 mm, 1683 mm, 1963 mm
Degree of protection IP	20
LxBy	L90B10
Service life	100000 h
Color rendering index CRI	90
Power supply	220-240 V 50/60 Hz
Protection class	I
Control	DALI
	ON/OFF
Color temperature	3000K
	4000K
Luminous flux of the luminaire	2400 lm ÷ 7400 lm
Power of the luminaire	18 W ÷ 58 W
Light efficiency	120 lm/W ÷ 135 lm/W



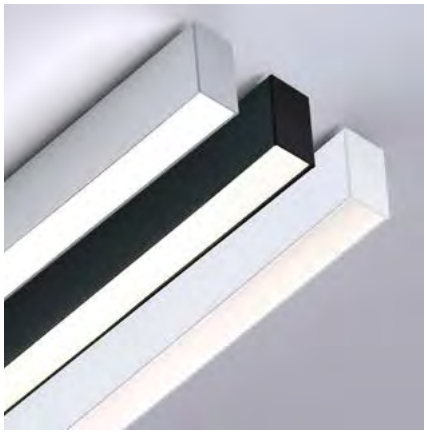
SERPENT-PLUS DOT ZW

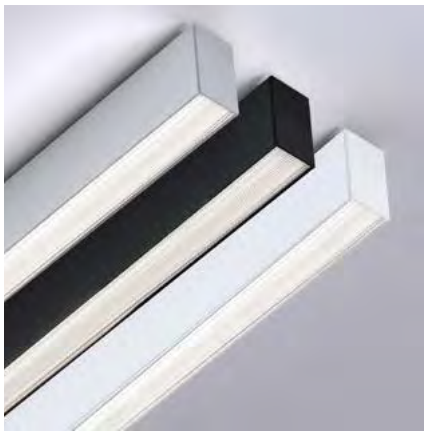
Linear, pendant luminaire

Material	aluminium
Available colors:	silver anodised, black anodised, white lacquer
Height [H]	88 mm
Width [W]	48 mm
Length [L]	843 mm, 1123 mm, 1403 mm, 1683 mm, 1963 mm, 2523 mm, 2803 mm
Degree of protection IP	20
LxBy	L90B10
Service life	100000 h
Color rendering index CRI	90
Power supply	220-240 V 50/60 Hz
Protection class	I
Control	DALI ON/OFF
Color temperature	3000K 4000K
Luminous flux of the luminaire	1100 lm ÷ 7150 lm
Power of the luminaire	12 W ÷ 70 W
Light efficiency	90 lm/W ÷ 104 lm/W



SERPENT-PLUS NT



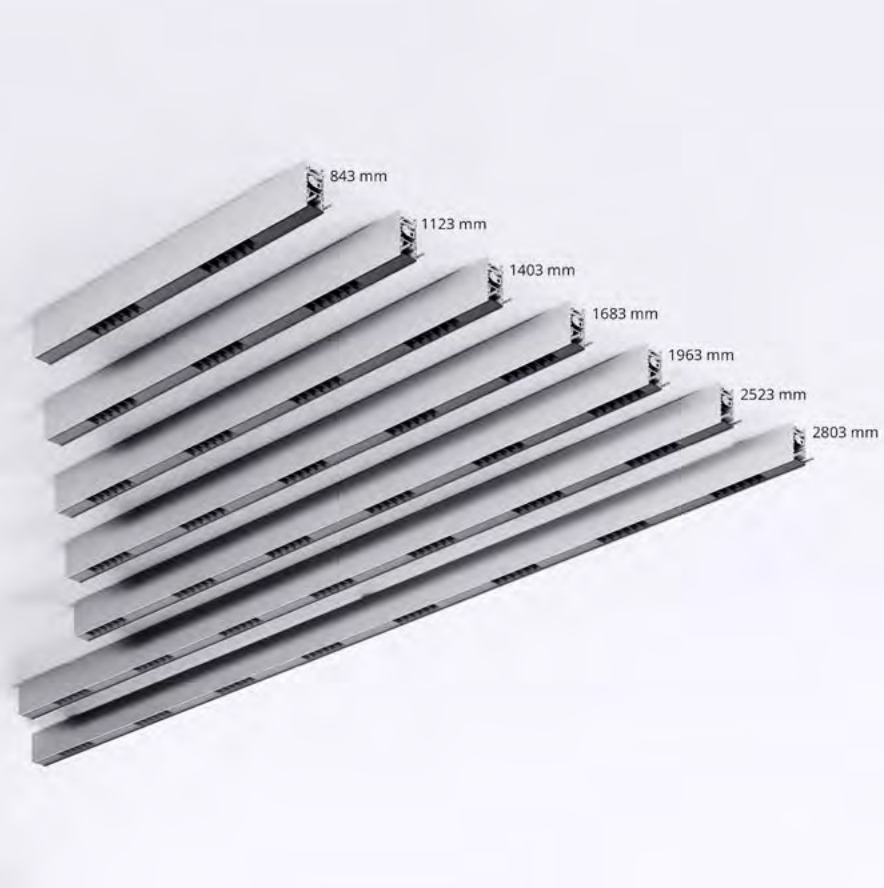


Linear, surface-mounted luminaire

Material	aluminium
Available colors:	silver anodised, black anodised, white lacquer
Height [H]	88 mm
Width [W]	48 mm
Length [L]	843 mm, 1123 mm, 1403 mm, 1683 mm, 1963 mm
Degree of protection IP	20
LxBy	L90B10
Service life	100000 h
Color rendering index CRI	90
Power supply	220-240 V 50/60 Hz
Protection class	I
Control	DALI
	ON/OFF
Color temperature	3000K
	4000K

Luminous flux of the luminaire	2400 lm ÷ 7400 lm
Power of the luminaire	18 W ÷ 58 W
Light efficiency	120 lm/W ÷ 135 lm/W

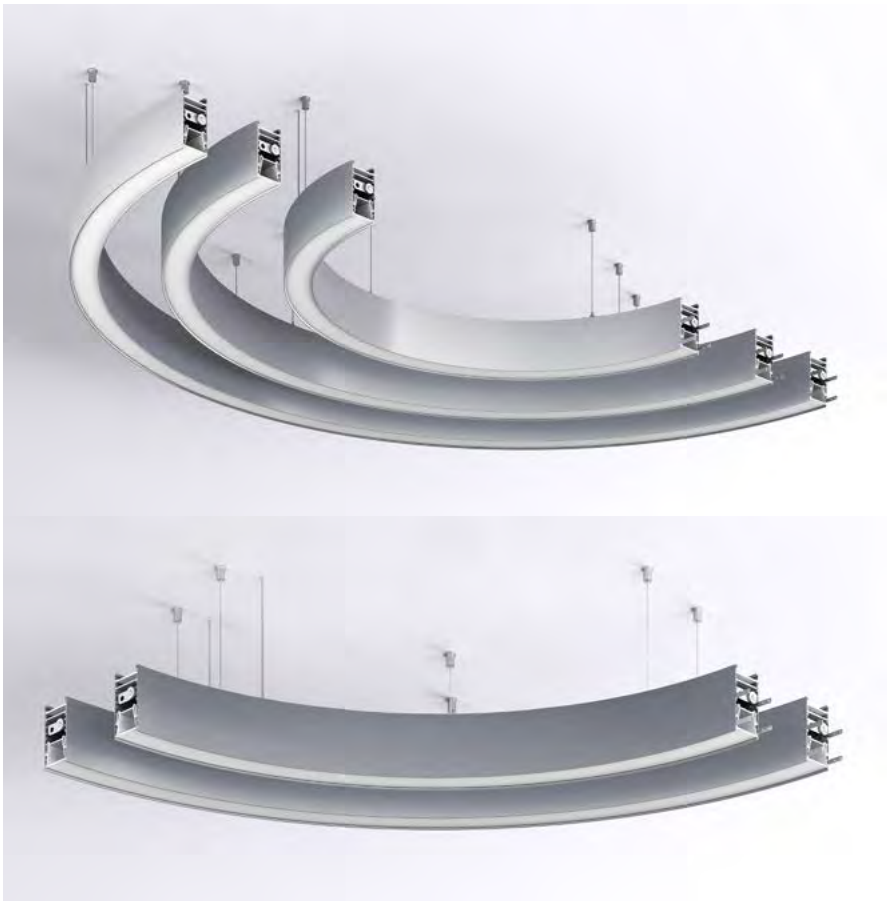
SERPENT-PLUS DOT NT

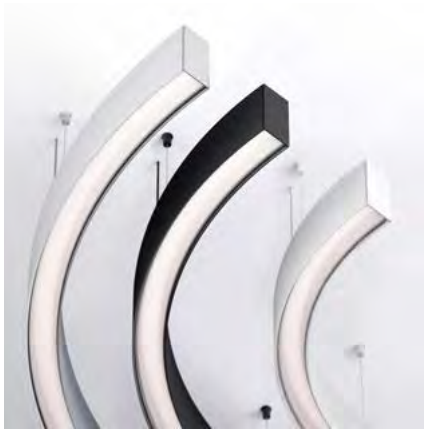


Linear, surface-mounted luminaire

Material	aluminium
Available colors:	silver anodised, black anodised, white lacquer
Height [H]	88 mm
Width [W]	48 mm
Length [L]	843 mm, 1123 mm, 1403 mm, 1683 mm, 1963 mm, 2523 mm, 2803 mm
Degree of protection IP	20
LxBy	L90B10
Service life	100000 h
Color rendering index CRI	90
Power supply	220-240 V 50/60 Hz
Protection class	I
Control	DALI ON/OFF
Color temperature	3000K 4000K
Luminous flux of the luminaire	1100 lm ÷ 7150 lm
Power of the luminaire	12 W ÷ 70 W
Light efficiency	90 lm/W ÷ 104 lm/W

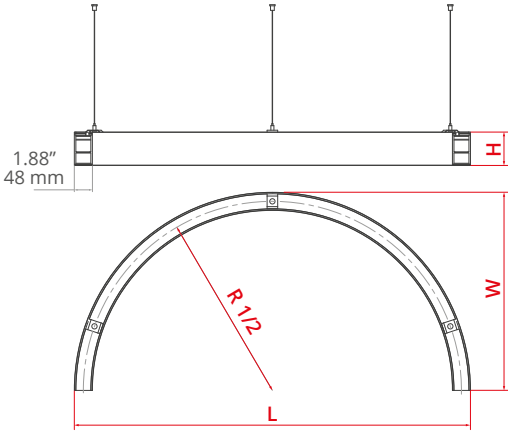
SERPENT R-PLUS ZW

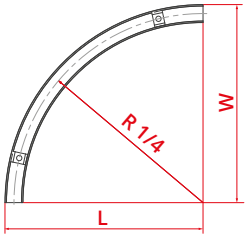




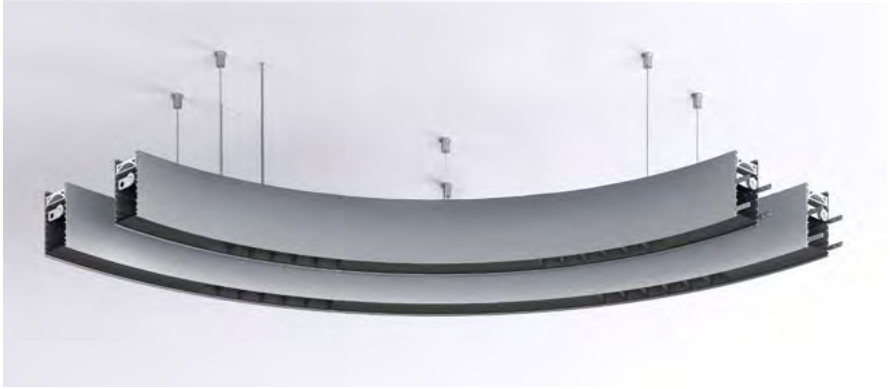
Linear, pendant luminaire

Material	aluminium
Available colors:	silver anodised, black anodised, white lacquer
Height [H]	88 mm
Width [W]	413 mm, 613 mm, 763 mm
Length [L]	R 1/2: 826 mm, 1226 mm ,1526 mm R 1/4: 413 mm, 613 mm, 763 mm
Degree of protection IP	20
LxBy	L90B10
Service life	100000 h
Color rendering index CRI	90
Power supply	220-240 V 50/60 Hz
Protection class	I
Control	DALI ON/OFF
Color temperature	3000K 4000K
Luminous flux of the luminaire	2350 lm ÷ 7950 lm
Power of the luminaire	20 W ÷ 54 W
Light efficiency	107 lm/W ÷ 132 lm/W





SERPENT R-PLUS DOT ZW



Linear, pendant luminaire

Material	aluminum
Available colors:	silver ainodised, black anodised, white lacquer
Height [H]	88 mm
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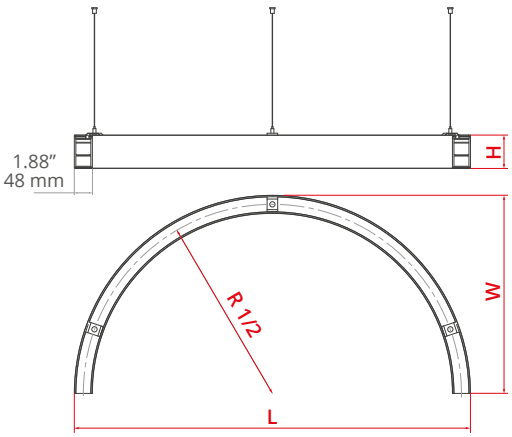
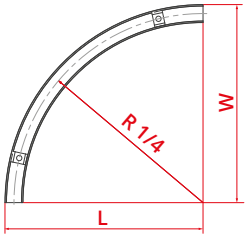
Length [L]	R 1/2: 826 mm, 1226 mm ,1526 mm R 1/4: 413 mm, 613 mm, 763 mm
Degree of protection IP	20
LxBy	L90B10
Service life	100000 h
Color rendering index CRI	90
Power supply	220-240 V 50/60 Hz
Protection class	I
Control	DALI ON/OFF
Color temperature	3000K 4000K
Luminous flux of the luminaire	1100 lm ÷ 4450 lm
Power of the luminaire	12 W ÷ 43 W
Light efficiency	83 lm/W ÷ 103 lm/W





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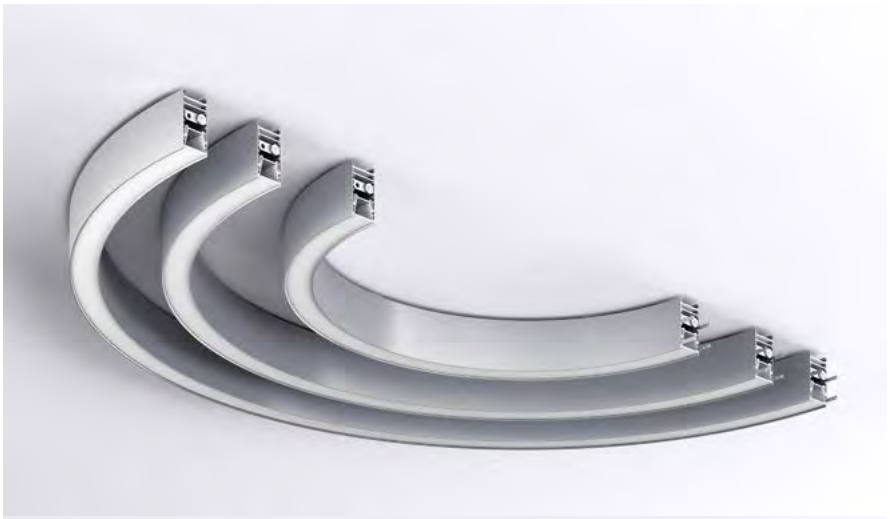
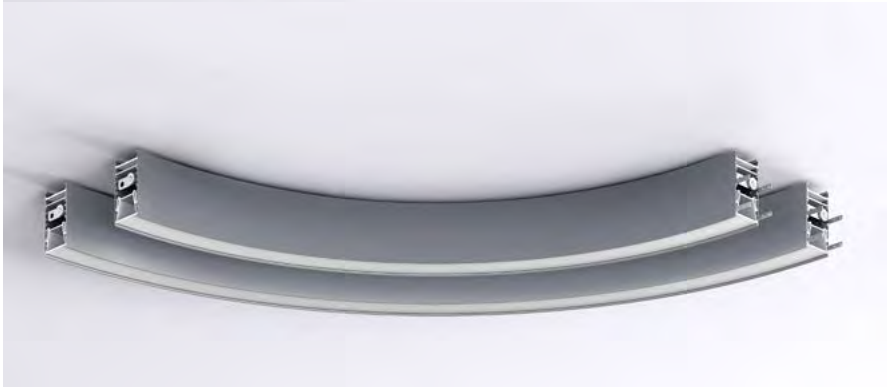
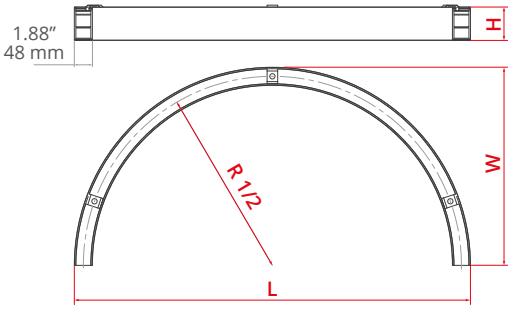
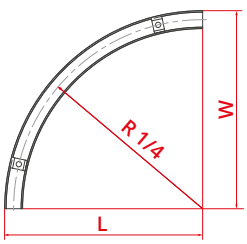




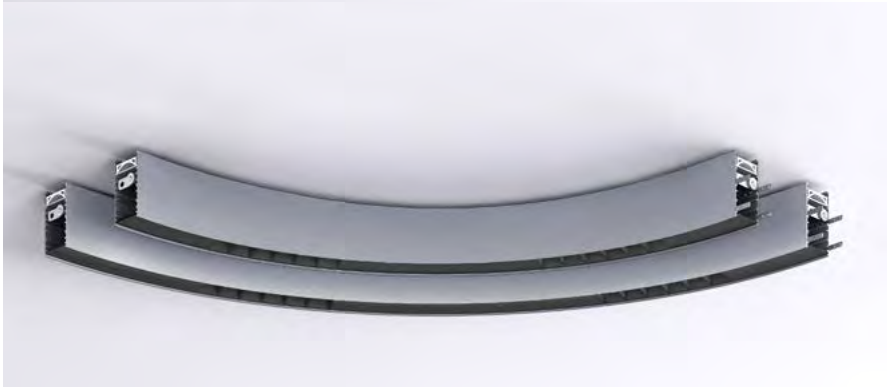
Linear, surface-mounted luminaire

Material	aluminium
Available colors:	silver anodised, black anodised, white lacquer
Height [H]	88 mm
Width [W]	413 mm, 613 mm, 763 mm
Length [L]	R 1/2: 826 mm, 1226 mm ,1526 mm R 1/4: 413 mm, 613 mm, 763 mm
Degree of protection IP	20
LxBy	L90B10
Service life	100000 h
Color rendering index CRI	90
Power supply	220-240 V 50/60 Hz
Protection class	I
Control	DALI ON/OFF
Color temperature	3000K 4000K
Luminous flux of the luminaire	2350 lm ÷ 7950 lm
Power of the luminaire	20 W ÷ 54 W
Light efficiency	107 lm/W ÷ 132 lm/W



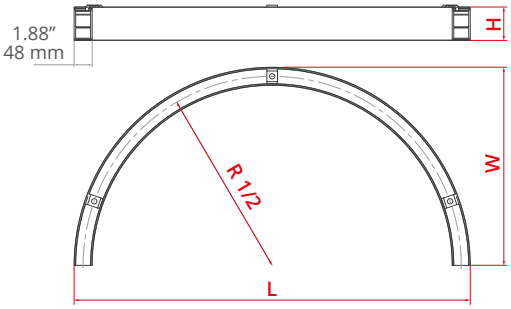


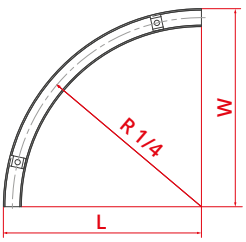
SERPENT R-PLUS DOT NT



Linear, surface-mounted luminaire

Material	aluminium
Available colors:	silver anodised, black anodised, white lacquer
Height [H]	88 mm
Width [W]	413 mm, 613 mm, 763 mm
Length [L]	R 1/2: 826 mm, 1226 mm ,1526 mm R 1/4: 413 mm, 613 mm, 763 mm
Degree of protection IP	20
LxBy	L90B10
Service life	100000 h
Color rendering index CRI	90
Power supply	220-240 V 50/60 Hz
Protection class	I
Control	DALI ON/OFF
Color temperature	3000K 4000K
Luminous flux of the luminaire	1100 lm ÷ 4450 lm
Power of the luminaire	12 W ÷ 43 W
Light efficiency	83 lm/W ÷ 103 lm/W





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