

CAYLA

SLP[®]
smart lighting engineering

CAYLA

LED



The key feature of the CAYLA LED is its innovative human-centric design. One of its unique qualities is that 17% of the flux is an indirect light softly diffused at a physiologically effective angle. The majority, 83% of flux is spread as highly uniform direct light. Focusing on the utmost visual comfort of the user, providing both direct and indirect distribution of luminous flux CAYLA eliminates the cave effect and creates a bright and healthy working space.

A FIT-AND-FORGET SOLUTION

CAYLA uses the latest LED technology to provide for effective illumination for a long lifetime. It is a future-proof luminaire that creates pleasant and stimulating lighting environment where people thrive.

VISUAL COMFORT

The diffusing optics ensure perfectly harmonious distribution of light, providing perfect illumination for spaces where display screens are used and visually demanding tasks are performed.

PSYCHOLOGICAL WELL-BEING

By combining direct and indirect illumination, it is possible to positively influence psychological wellbeing. Direct light makes it easier to see and to carry out tasks, side panels (cold white) of the luminaire can be dimmed separately, so the human activation can be influenced by manual and automatic control.

AESTHETIC FLEXIBILITY

CAYLA can be supplied in a colour or finish of your choice, allowing you to blend the lighting installation with the individual style of the interior, and thus reinforce the personality of the space.

Design and functionality

With CAYLA, we feel that we have achieved our ultimate goal to create a product with pure aesthetics that adapts the light to your needs.

DESIGN

CAYLA is a clean and beautiful luminaire. Award-winning designer Anton Zetocha aimed at creating the ultimate minimalist design so that it would match all interior designs perfectly. His vision resulted in the extremely streamline form of this luminaire with strong yet subtly sweeping lines that flow over the electronics before getting back to the slim optical part.

ADVANTAGES

The optical part is merely 14 mm thick. With a length of 1700 mm and width of 114 mm, such discreet lines and visual lightness make CAYLA a perfect addition to any space where elegance is desired without compromise on functionality.

Housing and materials

CAYLA - quality and beauty go hand in hand.

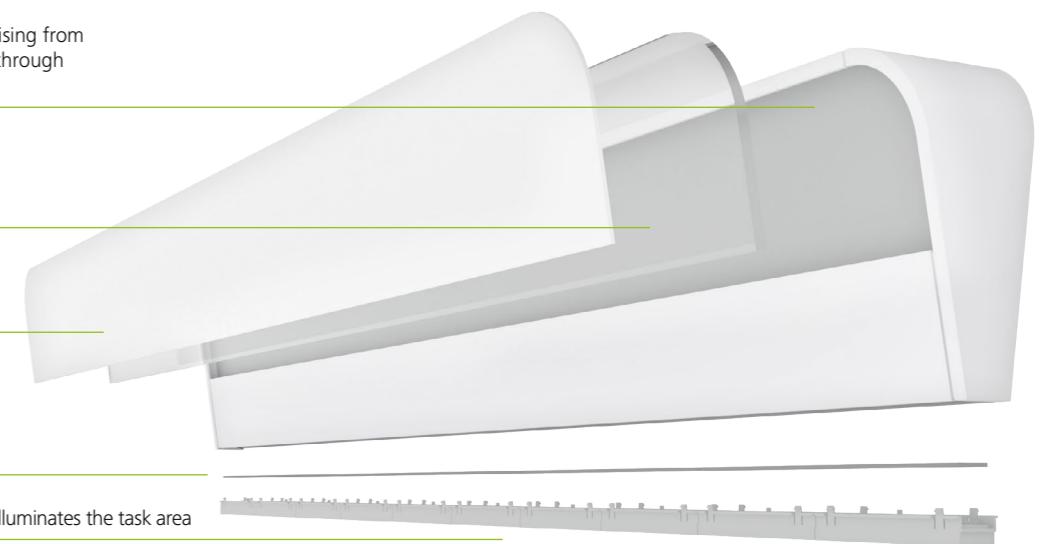
High reflective foil reflects the light arising from the light guide and sends it to space through the linear prismatic material

Light guide uniformly distributes light onto the light emitting surface by the use of the edge lighting technology

Linear micropism direct the light to an ideal angle for biologic effective illumination into your eyes

Micropism has an antiglare function

Microreflector emits direct light which illuminates the task area



Optics

High-tech optics are the perfect companion to streamline design.

The ultra-slim transparent optical part beautifully diffuses light upwards, sideways and downwards in both direct and indirect proportions. The diamond microprismatic diffusers in combination with the micro reflector ensure that the emitted light is uniformly and harmoniously distributed across the task areas and eliminates the direct glare. Therefore the usage of this luminaire prevents the occurrence of cave-effect in the room. The overall

atmosphere supports feeling of wellbeing and visual comfort. Using edge-lighting technology, the light is spread across the planar surface and thus gives the impression that it is glowing from within. It also means that the light sources are hidden from the view, which, in combination with diffusion of the light, reduces glare to an absolute minimum and makes CAYLA suitable for use in offices and areas where display screens are used.

Lighting Management System

CAYLA can be equipped with a dimmable DALI or non-dimmable FIX LED driver. This makes it even more flexible to surely meet all your needs.

FLEXIBILITY UNDER CONTROL

DALI allows for individual or group control of luminaires. This provides a great versatility of use across any installation, from a small and simple set of luminaires to a complex and centrally controlled system.

FUNCTIONALITY

The most basic and the most commonly used function of DALI is dimming. CAYLA can be dimmed from 1 to 100%. To take full advantage of this feature DALI supports the option of individual regulation for both light emitting surfaces which can be dimmed separately. It means that users can manage light in a particular zone of a large area, such as open-plan office, based on individual preference and/or activity.

Benefits of a comprehensive control system:

- Real-time monitoring of the installation
- Keeping moderators in full control at all times by providing feedback about usage
- Lower energy consumption
- Immediate reaction to any kind of issues
- Reduction of maintenance times and costs to minimum



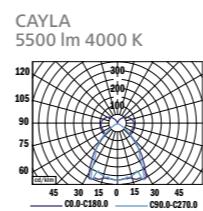
USABILITY

DALI can be managed in several ways. Whether you choose a simple dimming wall switch, a local touch panel programmed with lighting scenes or a centralised PC-based control system programmed with timers and lighting scenes, you will get an optimal lighting performance and maximum user comfort.

ENERGY-SAVING POSSIBILITIES

Dimming alone can bring significant energy savings, however, by combining CAYLA with presence detection and/or constant illuminance sensors, the energy-saving potential of your installation could reach as much as 80%. Constant illuminance sensors provide the maximum usage of daylight, and use the artificial light only as a supplementary source of illumination.

Technical parameters

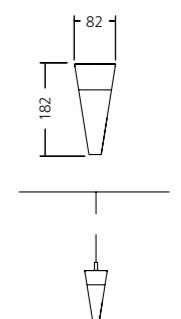
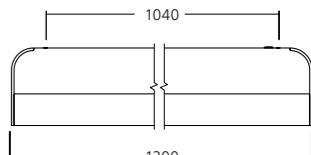


Areas of application:

- Office & Education

Mounting	Suspended
Optical system	Indirect part: MP (micoprism) Direct part: MP (micoprism) + MR (micro reflector)
Light distribution	Direct-indirect
Driver	Electronic control gear - FIX - DALI (dimmable 1-100%)
Materials	Housing: extruded + die cast AL Indirect part: microlinear frost PMMA Direct part: microparticulate PMMA + metalised PC
Surface finish	Housing: white (RAL 9003)
Accessories	Rope suspension 03 included (see accessories)
Weight	11.4 kg
Service lifetime	50 000 hours / L70 B10 @ 30 °C
Ambient temperature	up to + 35 °C
EEC	A++ / A+ / A

5 years warranty
LED
up to 5500 lm/m
up to 81 lm/W
80 Ra



Type	mounting type	modul	net lumen output (at Ta = 25 °C)	power consumption	color rendering index	correlated color temperature	optic	control	color
							(lm)	(W)	CRI (Ra)
CAYLA	SU	SAMSUNG	5300	68	80	3000	MP+MR	FIX / DALI	WHITE
CAYLA	SU	SAMSUNG	5500	68	80	4000	MP+MR	FIX / DALI	WHITE
CAYLA	SU	SAMSUNG	5450	68	80	CW (6500+3000)	MP+MR	FIX / DALI	WHITE



order description: CAYLA SU S 5450 8CW MPMR DA WH



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