

Lander

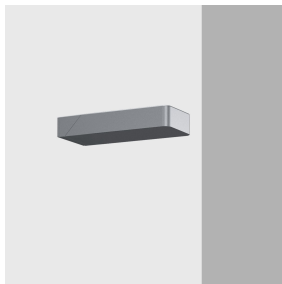
Design Renzo Piano Building Workshop

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Last information update: October 2024

Product configuration: AKS3

AKS3: Wall-mounted, Longitudinal Asymmetric Optic, Warm LED, 220-240V ac



Product code

AKS3: Wall-mounted, Longitudinal Asymmetric Optic, Warm LED, 220-240V ac **Attention! Code no longer in production**

Technical description

Direct light luminaire, designed to use monochrome LED lamps. It consists of a body, an optical assembly and a base for fixing it to the wall. Optical assembly and die-cast aluminium glass-holder frame. 5mm thick tempered sodium-calcium closing glass with black serigraphy. Transparent glass with black serigraphy for high performance direct and indirect lighting. Body and optical assembly subjected to a multi-step, pre-treatment process, in which the main phases are degreasing, fluorozirconation (a protective surface film) and sealing (with a nano-structured silane layer). The following painting stage consists of a primer and a liquid acrylic paint, cured at 150°C, with a high level of weather and UV ray resistance. Longitudinal Asymmetric Optic (AL) with high performance Opti-smart reflectors in superpure aluminium coated with silver deposits offering uniform light distribution. Both the LED unit and the ballast may be substituted. Optical assembly complete with electronic control gear and output power cable. IP68 connectors to be ordered separately are required for the electrical connection. All screws used are made of stainless steel.

Installation

Wall-mounted with screw anchors not supplied with the product.

Colour

Grey (15)

Weight (Kg)

2.5

Mounting

wall surface

Wiring

Product complete with 220÷240V ac electronic control gear.

Notes

Overvoltage protection: 4kV in Common Mode (CM), 2kV in Differential Mode (DM). • The SPD accessory (JAL6) increases overvoltage protection to 6kV/10kV (CM/DM).

Complies with EN60598-1 and pertinent regulations



Technical data

Im system:	2204	MacAdam Step:	3
W system:	23.2	Life Time LED 1:	100,000h - L90 - B10 (Ta 25°C)
Im source:	2900	Life Time LED 2:	100,000h - L90 - B10 (Ta 40°C)
W source:	20	Voltage [Vin]:	230
Luminous efficiency (Im/W, real value):	95	Lamp code:	LED
Im in emergency mode:	-	Number of lamps for optical assembly:	1
Total light flux at or above an angle of 90° [Lm]:	0	ZVEI Code:	LED
Light Output Ratio (L.O.R.) [%]:	76	Number of optical assemblies:	1
CRI (minimum):	80	Intervallo temperatura ambiente:	from -30°C to 50°C.
CRI (typical):	82	Control:	On/off
Colour temperature [K]:	3000		

Imax=899 cd C35-215 $\gamma=43^\circ$

90° 180° 90°

1050

0°

$\alpha=136^\circ / 81^\circ$

Figure 1 is a 3D plot showing the distribution of light intensity (Lux) in a room. The plot is a grid with 'm' on the x-axis (ranging from -3 to 3) and 'Lux' on the y-axis (ranging from 0 to 3). The z-axis represents 'Wall distance = 1 m'. The plot shows a series of data points forming a bell-shaped curve, with the highest intensity (Lux) at the center (m=0).