

KARIA SURFACE MOUNTED FIXTURES

Class I IP65 IK07

Available in these 2 colors



The Karia series consists of a range of LED and fluorescent sources to deliver the desired light effect to facades, columns, bridges, monuments, and signs. The series is made of an anodized extrusion aluminium body with polyamid side covers. Polyamid brackets are used to mount the fixtures. Stainless steel brackets are also available to increase the distance from the mounting surface if necessary. The fixtures come with integrated electronic ballasts and LEDs used come in 3 different tones of white, as well as blue, red, green, amber and RGB. Several lenses from 6 to 40 degrees are available to choose from to achieve the desired the light effect.

Body

Anodized Aluminium profile with polyamid 66 side covers

Gaskets

Silicone

Mounting Brackets

Polyamide 66 (Stainless Steel on request)

Screws

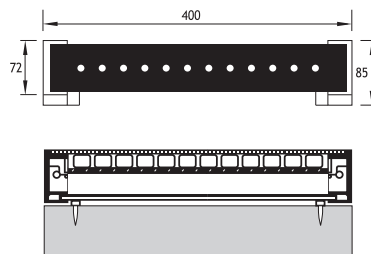
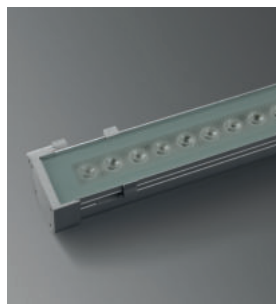
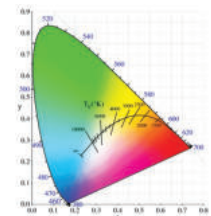
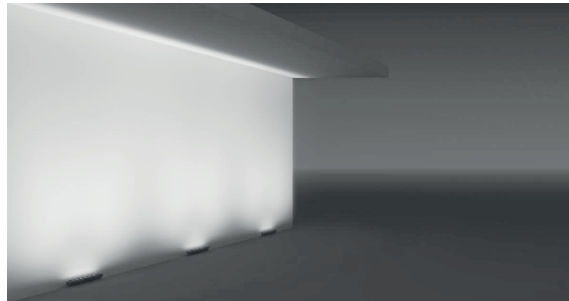
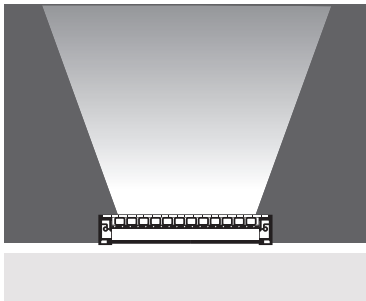
Stainless steel

Diffusers

4 mm Tempered Glass

Gland

2 cable Gland for 5-8 mm Ø cable



- Voltage** : 240 VAC with integrated driver
(24V AC or DC on request)
- Lens** : 10°, 25°, 40°, 6x25° elliptic
- Diffuser** : 4 mm Clear Glass (Frosted Glass on request)

12 x 350 mA (12 W) LED	Total Lighting Output	Code No
△ Natural White 4500 K	1020 lm	431106

LEDs

Only highest quality LEDs such as Cree or Toplite are used in production allowing for maximum lumen output and maximum lifetime. Most LEDs run on 350mA or 700mA depending on how much light output is required. The white color temperature binning is 200K at most, and always on the same x,y coordinates on the CIE diagram in accordance with Energy Star. This ensures consistent supply of the same color temperature over time. As LEDs are constantly developing and becoming more efficient, lumen output given in this catalogue are current as of March 2020. At 2700K, 3000K, and 4000K LED lumen output per led is 110lm; at 6000K the lumen output per led is 125lm. Total Lighting Output as printed in this catalogue is the actual light output of the entire fixture. The minimum CRI of the LEDs used is 85 with a majority of products over 90.

Thermal Management

All fixtures are designed to withstand ambient temperatures of at least 50°C. The LEDs are mounted on metal core pcbs, which are mounted the aluminium body of the fixture so that the entire fixture acts as a heat sink. Extensive testing is performed in EMFA's laboratory to ensure these values are maintained so that the lifetime of the LED is not compromised.