

URBAN LIGHTING FOR BUSY PEDESTRIAN AREAS AND SQUARES

MIRACLE RING EMPTY

The Miracle Ring Empty lamp is intended for illuminating busy pedestrian zones, tourist centers and squares. A light output of up to 21,150 lm meets the light scenes that can occur in these areas. Alternatively, the direction of the light can be adjusted, as well as its intensity and color remotely. Depending on the circumstances, full-color RGB diodes can complete the desired atmosphere or create interesting visual effects.



mechanical design

Design	ring hanging on 3 struts, with central holder
Dimensions	598 x 391mm
Material	die-cast aluminum, powder coating, silicone seal
Paint color	cream light, velvet gray, deep black
Opening	tool, not intended for field repair
Hold	for column, ø 106
Mechanical resistance	IK10
Degree of protection	IP66
Weight	8 kg

light source

Main	2,700 to 6,500 K (remote controlled), 0 to 180 W / 21,150 lm (remote controlled)
Color Rendering	>70
ULOR	0%
Power	0 to 180 W

optics

Base	thickness 6 mm, cast acrylic PMMA, sandblasted
Direction of light	optional combination of radiation of each lens: IES I to V / spot 45°, 60°, 90°, 120°
Mounting	user replaceable

Design

The lamp has the shape of a circumferential ring that seems to hang in the air. The body is made of die-cast aluminum with powder coating in three color variants. Under the top cover there is a plate with COB and bases with optics around the perimeter. The design does not allow assembly and disassembly of the main parts in the field. The lamp is powered by a 48 V DC source, which is located at the base of the column. A CAT6 cable is suitable for connecting the lamp and the source.

Functions

It is possible to remotely control the light flux intensity of any of the 3 perimeter segments in the range of 0 to 100%. After installation, the parameters can be easily adjusted individually in each light location. If the system is controlled with the help of motion sensors, each luminaire can adapt to the new situation individually. For each COB, it is also possible to change the replacement chromaticity temperature in the range of 2,700 K to 6,500 K and adjust its operation according to the season, holidays or other local requirements. Optical lenses are replaceable in each position as needed, while it is possible to choose from IES type I to V characteristics and separate spots 45° to 120°.