LAMP FOR COMMON ROADS

MIRACLE
SUPERLUX STREET SMART

The Miracle Superlux Street Smart lamp is designed for lighting roads, both roads and sidewalks and cycle paths. Light output of up to 15.500 lm is suitable even for demanding situations up to lighting class M3 (busy streets) and crossing-walks.

mechanical design

Design	classic rounded shape
Dimensions	691 x 305 x 135mm
Material	die-cast aluminum, powder coating, silicone gasket, diaphragm valves
Paint color	cream light, velvet gray, deep black
Opening	tool-free, self-closing lock
Handle	for column and boom, ⌀ 60, adjustable ± 15°
Mechanical resistance	IK10
Degree of protection	IP65
Weight	8 kg

light source

Main	2,700 to 6,500 K (remote controlled), 0 to 100 W / 13.300 lm (remote controlled)
Additional	3,000 K, 0 to 24 W / 3,300 lm (remote controlled)
Signaling	RGB, 0 to 20 W / 2,200 lm (remote controlled)
Color Rendering	>70
ULOR	0%
Power	0 to 150 W

optics

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

Design

The lamp has a classic round shape, which facilitates the washing away of bird droppings. The body is made of die-cast aluminum with powder coating in three color variants. The cover opens by hand with side clips. Inside there is a board with LEDs and a base with optics. Assembly and disassembly of the main parts is simple. 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 intensity of the luminous flux of each of the 3 main COBs 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 traffic intensity sensors, all light spots adapt to the new situation in a balanced way. For each COB, the replacement chromaticity temperature can also be changed in the range of 2,700 K to 6,500 K. The same luminaire can therefore be used both for transition and for communication. HP LEDs are located along the longer sides of the lamp, each line is controlled separately and serves to optimize the emission characteristics on wet or dry roads. The lenses are replaceable in each position (COB and HP LED) as needed, while it is possible to choose from IES type I to V characteristics and separate spots 45° to 90°. The final combination of lenses for that location is stored in the AnyCity system. The lamp contains several powerful full-color RGB LEDs, which are used to inform road users about various situations.