LAMP FOR COMMON GROUND ROADS

MIRACLE
CAP HORIZON

The Miracle Cap Horizon lamp is intended for lighting ordinary city or municipal streets, pedestrian zones and historical parts of cities. The light output of up to 17,600 lm meets all 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 create the desired atmosphere.

mechanical design

Design	clean hemisphere on standard grip (vertical or horizontal position)
Dimensions	520 x 732 mm
Material	die-cast aluminum, powder coating, silicone seal
Paint color	cream light, velvet gray, deep black
Opening	tool-free, hand-push lock
Hold	for column, ⌀ 76
Mechanical resistance	IK10
Degree of protection	IP66
Weight	8 kg

light source

Main	2,700 to 6,500 K (remote controlled), 0 to 140 W / 17,600 lm (remote controlled)
Signaling	RGB, 0 to 15 W / 1,600 lm (remote controlled)
Color Rendering	>70
ULOR	0%
Power	0 to 160 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 recorded remotely

Design

The lamp has the traditional shape of a hemispherical lantern, the holder is classically either horizontal or vertical (interchangeable position). The body is made of die-cast aluminum with powder coating in three color variants. Under the top cover 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 light flux intensity of each of the 4 main powerful 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 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°. The final combination of lenses for a given location is stored in the AnyCity system and each change is automatically identified by the remote application. The lamp contains several powerful full-color RGB LEDs, which are used either to inform road users about various situations or to create the desired atmosphere.