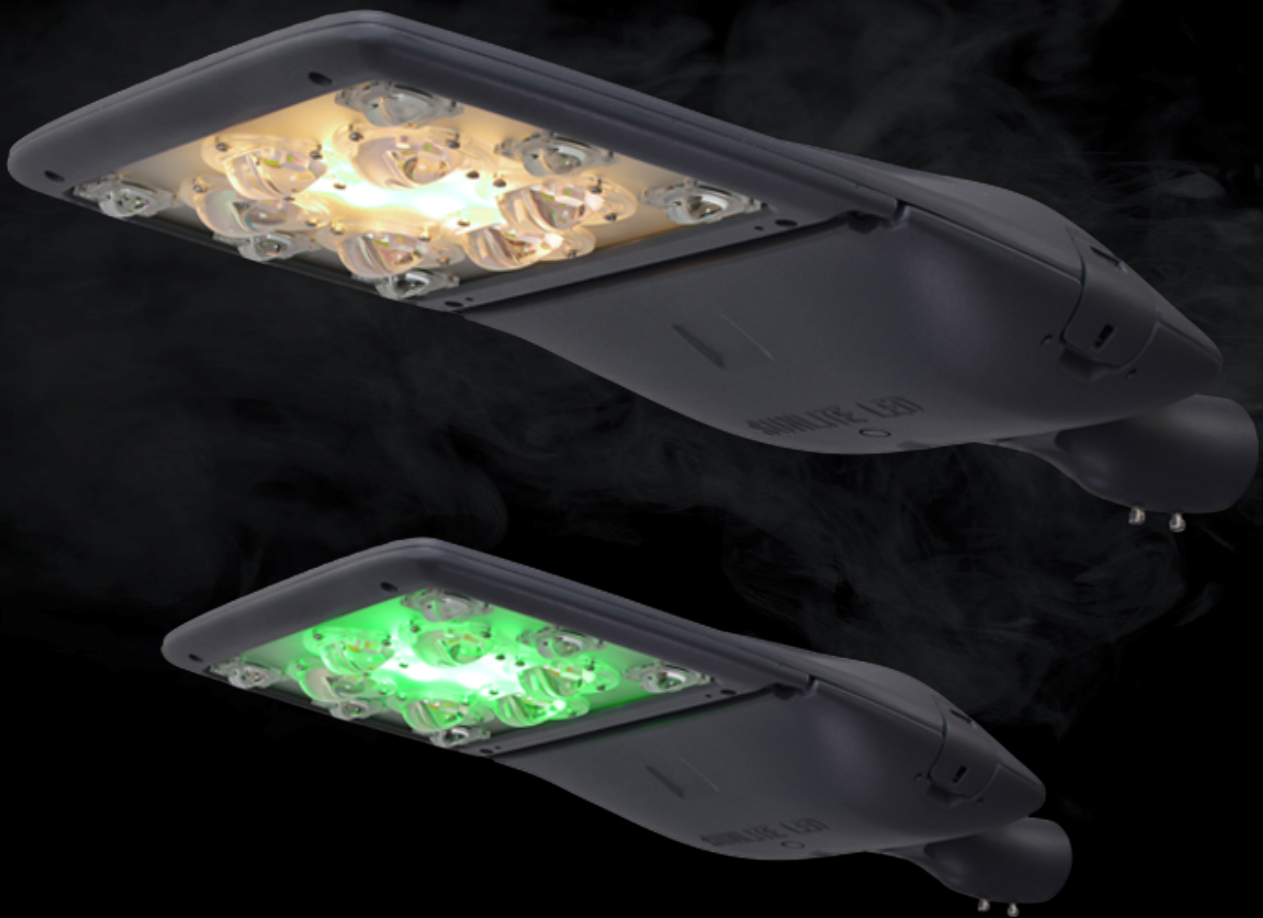


LIGHT FOR HIGHWAYS AND MAJOR INTERSECTIONS

# MIRACLE SUNLITE HIGHWAY SMART

The Miracle Sunlite lamp is intended for lighting roads with the highest demands. Light output of up to 30,000 lm is also suitable for highways and demanding intersections.



## mechanical design

<b>Design</b>	modern flat shape with gentle cooling profiles
<b>Dimensions</b>	820 x 436 x 137 mm
<b>Material</b>	die-cast aluminum, powder coating, silicone gasket, diaphragm valves
<b>Paint color</b>	cream light, velvet gray, deep black
<b>Opening</b>	tool-free, self-closing lock
<b>Handle</b>	for column and boom, $\varnothing$ 60, adjustable $\pm 15^\circ$
<b>Mechanical resistance</b>	IK10
<b>Degree of protection</b>	IP65
<b>Weight</b>	12 kg

## light source

<b>Main</b>	2,700 to 6,500 K (remote controlled), 0 to 210 W / 25,200 lm (remote controlled)
<b>Additional</b>	3,000 K, 0 to 24 W / 3,300 lm (remote controlled)
<b>Signaling</b>	RGB, 0 to 20 W / 2,200 lm (remote controlled)
<b>Color Rendering</b>	>70
<b>ULOR</b>	0%
<b>Power</b>	0 to 250 W

## optics

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

## Design

The lamp has a modern flat shape with gentle cooling profiles on the top. 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 light flux intensity of each of the 6 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. Alternatively, it is possible to fit a COB with a replacement chromaticity temperature in the range of 1,800 K to 4,000 K and adapt its operation to the circadian biocycle. HP LEDs are located on the sides of the lamp, each group is controlled separately and serves to complete 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.