

100W ROAD LED Street Light Luminaire LUMILEDS Chip 11000Lm

Product codes:

Reference: 125811



Product features:

Power (W): 100
Power source (V): 100-240V
Color temperature CCT: 4000K
LED: SMD3030
LED chip brand: Philips LUMILEDS
LED diode efficiency (Lm/W): 135
Brightness (Lm): 11000
CRI: +70
Colour: Black
IP: IP65
IK: IK08
Luminous angle: 423x175x75mm
Frequency (Hz): 50-60Hz
Power factor: 0.9
Measures (mm): 423x175x75mm
Material: Aluminum + glass
Operating temperature: -20°C ~ +55°C
Energy efficiency 2021: A+
Energy efficiency 2023: D
Lifespan: 35.000h
Certification: CE - RoHS
Warranty: 3 años

Product attributes:

Color temperature CCT (°K): Natural white 4000K, Amber 2200K, Warm white 3000K

Product description:

100W ROAD LED Street Light with LUMILEDS Chip

The **100W ROAD LED luminaire** stands out for its power and efficiency, thanks to the LUMILEDS SMD3030 LED chip that offers a powerful luminous flux of 11000 lumens. Made of high-quality aluminum and glass, it provides a durable lighting solution with optimal protection against impacts (IK08) and adverse weather conditions (IP65).

The ultrathin design of the luminaire prevents dirt accumulation and reduces its visual impact. With instant-on capability and a lifespan of over 35,000 hours, this LED luminaire ensures efficient and high-quality lighting for years to come.

Technical Data:

- Power: 100W
- LED Chip: LUMILEDS SMD3030
- Luminosity: 135 Lm/W
- Luminous Flux: 11000 lumens
- Optics: Asymmetric 140°x70°

- Material: Aluminum and glass
- Protection: IK08 (Impact resistance), IP65 (Water and dust resistance)
- Lifespan: Over 35,000 hours
- Dimensions: 505x215x75mm
- Designed for mounting on arms with Ø60mm tips
- Warranty: 3 years
- Certifications: CE, RoHS

Benefits of the 135 Lm/W LUMILEDS SMD3030 LED Chip:

- **Energy Efficiency:** The LUMILEDS SMD3030 LED chip offers exceptional efficiency of 135 lumens per watt, resulting in reduced energy consumption and lower operating costs.
- **High Performance:** Thanks to its high luminous output, this chip provides powerful and uniform light, ensuring quality illumination and excellent visibility.
- **Durability:** With a prolonged lifespan of over 35,000 hours, the LUMILEDS SMD3030 LED chip offers a reliable and durable lighting solution, reducing the need for frequent maintenance and replacement.

Asymmetric Optics:

The 140°x70° asymmetric optics of the **ROAD LUMILEDS LED luminaire** are designed to direct light specifically in one direction, optimizing light distribution and reducing glare in undesired areas. This optical configuration is ideal for street lighting and outdoor areas where directional and uniform illumination is required.

The benefits of asymmetric optics include better efficiency in light distribution, greater uniformity of illumination in the target area, and a significant reduction in light pollution, improving visibility and safety in the environment.

Recommended Uses and Applications:

- **Public Lighting:** Lighting of streets, avenues, roads, and pedestrian areas, ensuring safety and visibility for pedestrians and drivers.
- **Gardens and Pathways:** Lighting of green spaces, paths, and walkways in parks, public and private gardens, enhancing the beauty of the surroundings and allowing safe use at night.
- **Parks and Squares:** Lighting of outdoor recreational areas, such as playgrounds, public squares, and picnic areas, creating welcoming and safe environments for recreation and leisure.
- **Parking Lots:** Lighting of parking lots, garages, and loading and unloading areas, providing clear and uniform lighting to facilitate navigation and improve the safety of vehicles and pedestrians.

Installation Recommendations:

- Ensure that the power supply voltage is appropriate and complies with the product's technical specifications.
- Ensure proper sealing and electrical connection to prevent moisture ingress and protect the lighting system against possible short circuits.
- Install the luminaire in a strategic location to ensure optimal light distribution and maximize its luminous efficiency.
- Follow the assembly and mounting instructions provided by the manufacturer to ensure a safe and durable installation.
- Perform periodic maintenance to ensure the correct functioning and energy efficiency of the luminaire over time.

Compatibility and Mounting:

The 100W ROAD LED Street Light does not have a tilting head but is compatible with the directional pole arm (not included), allowing the direction of the light to be adjusted according to the specific needs of the lighting project. Proper installation by qualified personnel is recommended to ensure optimal performance and a long lifespan of the product.

Product gallery:

