

100W LED Street Light HALLEY BRIDGELUX Chip 15000Lm

Product codes:

Reference: SP3100W



Product features:

Power (W): 100
Power source (V): 85-265V
Color temperature CCT: 3000K
Color temperature CCT: 4000K
LED: SMD3030
LED chip brand: BRIDGELUX
Luminous efficacy (Lm/W): 140
LED diode efficiency (Lm/W): 165
Brightness (Lm): 15000
CRI: +70
IP: IP65
IK: IK10
Luminous angle: 150°x90°
Frequency (Hz): 50-60Hz
Power factor: 0,95
Measures (mm): 623x200mm
Material: Aluminum
Energy efficiency 2021: A+
Lifespan: 100.000h
Certification: ENEC
Certification: CE - RoHS
Certification: TÜV
Warranty: 5 años

Product attributes:

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

Product description:

HALLEY 100W LED Street Light BRIDGELUX Chip

The **HALLEY BRIDGELUX 100W LED luminaire** stands out for its power and efficiency, thanks to the SMD3030 LED chip that offers a powerful luminous flux of 15000 lumens. Made of high-quality aluminum and PMMA, it provides a durable lighting solution with optimal protection against impacts (IK10) and adverse weather conditions (IP65).

The ultrathin design of the luminaire prevents dirt accumulation and reduces its visual impact. With instant-on and a lifespan of over 50,000 hours, this LED luminaire guarantees efficient and quality lighting for years.

Technical Data:

- Power: 100W
- LED Chip: BridgeLux SMD3030
- Luminous Efficacy: 140 Lm/W
- Luminous Flux: 15000 lumens
- Optics: Asymmetric 150°x90°

- Material: Aluminum and PMMA
- Protection: IK10 (Impact Resistance), IP65 (Water and Dust Resistance)
- Lifespan: Over 50,000 hours
- Dimensions: 623x200mm
- Adjustable Head: Up to 90°
- Designed for mounting on columns or arms with Ø60mm tips
- Warranty: 5 years
- Certifications: CE, RoHS, TÜV, ENEC05

Benefits of the BridgeLux SMD3030 LED Chip with 150 Lm/W:

- **Energy Efficiency:** The BridgeLux SMD3030 LED chip offers exceptional efficiency of 150 lumens per watt, resulting in reduced energy consumption and lower operational costs.
- **High Performance:** With its high luminous efficacy, this chip provides a powerful and uniform luminous flux, ensuring quality lighting and excellent visibility.
- **Durability:** With a long lifespan of over 50,000 hours, the BridgeLux SMD3030 LED chip offers a reliable and durable lighting solution, reducing the need for frequent maintenance and replacement.

Asymmetric Optics:

The 150°x90° asymmetric optics of the **HALLEY BRIDGELUX LED luminaire** are designed to direct light specifically in one direction, optimizing light distribution and minimizing glare in unwanted areas. This optical configuration is ideal for road lighting and outdoor areas where directional and uniform lighting 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, thus improving visibility and safety in the environment.

Recommended Uses and Applications:

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

ENEC05 Standard:

The **HALLEY BRIDGELUX LED luminaire** complies with the ENEC05 standard, a European certification that ensures compliance with the safety, performance, and quality standards established for lighting products. The ENEC05 certification provides peace of mind knowing that the product has been rigorously tested and meets the stringent requirements of the European standard, guaranteeing its reliability, durability, and energy efficiency.

Installation Recommendations:

- Ensure 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 from potential short circuits.
- Install the luminaire in a strategic location to ensure optimal light distribution and maximize its luminous efficiency.
- Follow the mounting and fixing instructions provided by the manufacturer to ensure safe and durable installation.
- Perform periodic maintenance to ensure the proper functioning and energy efficiency of the luminaire over time.

Product gallery:



Superior heat sink design



Maximum 30 degrees tilting



Dust-free and concise



Excellent photometric design

