



Iridium² LEDGINE – lighting the road ahead

Iridium² LED Medium

Iridium² is a family of road-lighting luminaires designed for performance and sustainability. Depending on the application and budget, customers can start with LED, electronic HID or a mix of both technologies with the same luminaire. Whatever the initial choice, Iridium²'s modularity allows customers to upgrade their installations (LED to LED or e-HID to LED) whenever they want, simply by changing the light engine. The integration of LEDGINE, brand new HID optics, electronic gear and controls is a response to the growing demand for energy savings. The new Iridium² HID optics are designed to deliver best-in-class lighting performance while offering tremendous flexibility in application. All these features, combined with Iridium²'s ease of installation and maintenance, ensure that customers enjoy low cost of ownership.

Benefits

- Future-proof luminaire: maintenance very easy
- no tools required for LED upgrade
- Highly efficient lighting platform
- no compromise on lighting quality thanks to flat glass
- Full flexibility to cover all applications, with choice of price and technology
- Equipped with Service tag, a QR-based identification system that makes each luminaire uniquely identifiable and provides maintenance, installation and spare part information

Features

- LEDGINE inside
- Best-in-class optics
- Electronic gear
- Integrated controls

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Application

- Roads: highways and motorized traffic within and between cities
- Streets: mixed traffic and residential streets
- Walking/cycling paths, car parks, roundabouts

Specifications

Type	BGP352
Light source	Integral LED-module
Power	GreenLine (GRN): 16-87 W depending on LED configuration EconomyLine (ECO): 20-144 W depending on LED configuration
Luminous flux	GreenLine: 1400-8300 lm EconomyLine: 1700-13,400 lm
Luminaire efficacy	Up to 110 lm/W
Correlated Colour	Warm White: 3000 K
Temperature	Neutral White: 4000 K EconomyLine: 5600 K
Colour Rendering Index	Warm White: ≥ 84 Neutral White: ≥ 76 Cool White: ≥ 68
Lumen maintenance at median useful life*	GreenLine: min L80 100000 h

Specifications

Mains voltage	220-240 V / 50-60 Hz
Dimming	CLO
Controls system input	1-10 V and DALI
Options	Dimming Lumistep 6, 8 hrs Dynadimmer Constant Light Output (CLO) SDU 1-10 V DALI RF Antenna Mains dimming Nema socket Photocell: mini cell 35, 55, 75 Lux Fuse Cable: 6, 8, 9, 10, 11, 12 m Surge protection: 10 kV

Lumen maintenance at median useful life*	EconomyLine: min L80 75000 h
Control gear failure rate at median useful life	GreenLine: 10% 100000 h
Control gear failure rate at median useful life	EconomyLine: 7.5% 75000 h
Performance Ambient	+25 °C
Temperature Tq	
Operating temperature range	-25 to +35 °C
Driver	Built-in (self ballasted LED-module)

Optic	Road medium (DM), road wide (DW), road comfort (DC), road wet (DK), road narrow (DN), asymmetrical (A), pedestrian crossing left (DP-L), pedestrian crossing right (DP-R)
Optical cover	Flat glass
Material	Housing: die-cast aluminium Cover: extra white tempered glass, 6 mm thick
Colour	RAL7035 or silver grey (like RAL 9006) as standard Other RAL or AKZO colours available on request
Installation	Post top: 60 / 76 mm Side entry: 42 / 60 mm Recommended mounting height: 8-12 m Standard tilt angle post top: 0 and 5° Adjustable tilt angle: 0 and 5°

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Versions

Iridium² LED BGP352 road-lighting luminaire



Product details



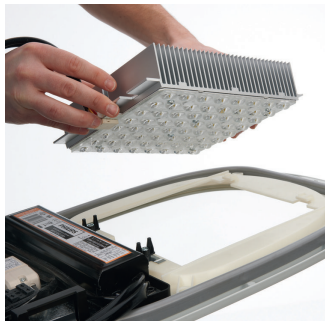
OPDP_BGP352i_0009-Detail photo



OPDP_BGP352i_0011-Detail photo

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Product details



OPDP_BGP352i_0015-Detail
photo



OPDP_BGP352i_0027-Detail
photo



OPDP_BGP352i_0029-Detail
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