



Iridium² LEDGINE – lighting the road ahead

Iridium² LED Large

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

Features

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

Application

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

Specifications

Iridium² LED Large

Type	BGP353
Light source	Integral LED-module
Power	GreenLine (GRN): 67-149 W depending on LED configuration EconomyLine (ECO): 106-248 W depending on LED configuration
Luminous flux	GreenLine: 6000-15,900 lm EconomyLine: 8800-23,400 lm
Luminaire efficacy	Up to 112 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 - L80F10	GreenLine: 100,000 hours EconomyLine: 70,000 hours
Operating temperature range	-25 to +35 °C
Driver	Built-in (self ballasted LED-module)

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

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: 48 / 60 mm Recommended mounting height: 8-12 m Standard tilt angle post top: 0 and 5° Adjustable tilt angle: 0 and 5°

Versions



Product details



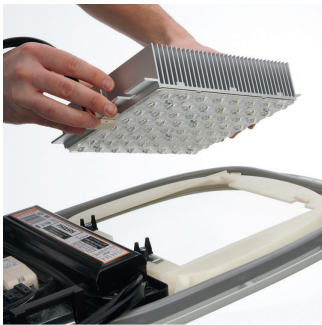
Gear tray replacement without use of tools (disconnection)



Gear tray replacement without use of tools (removing the gear tray)



Easy re-LEDing without use of tools (unlocking the LED module)



Easy re-LEDing without use of tools (removing the LED module)

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Approval and Application

Mech. impact protection code	IK08
Surge Protection (Common/Differential)	Philips standard surge protection level kV

Controls and Dimming

Dimmable	No
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General Information

Luminaire light beam spread	150° x 62°
CE mark	CE mark
Coloured frame	-
Parts colour	All parts colored
Coating	-
Light source colour	740 neutral white
Optical cover/lens type	FG
Driver included	Yes
ENEC mark	-
Flammability mark	NO
Green Flagship mark	Green Flagship
Light source replaceable	Yes
Lamp version	3S
Number of gear units	1 unit
Optic type	Distribution medium
Product Family Code	BGP353

Initial Performance (IEC Compliant)

Init. Corr. Colour Temperature	4000 K
Init. Colour Rendering Index	70

Light Technical

Standard tilt angle side entry	0°
Standard tilt angle posttop	0°
Upward light output ratio	0

Mechanical and Housing

Colour	Gray
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General Information

Order Code	Full Product Name	Lamp family code	Number of light sources
97792600	BGP353 ECO142-3S/740 II DM AL GR T25	ECO142	56
97794000	BGP353 ECO156-3S/740 II DM AL GR T25	ECO156	64

Initial Performance (IEC Compliant)

Order Code	Full Product Name	Initial luminous flux	Order Code	Full Product Name	Initial luminous flux
97792600	BGP353 ECO142-3S/740 II DM AL GR T25	12297 lm	97794000	BGP353 ECO156-3S/740 II DM AL GR T25	13316 lm

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