



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

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

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)

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



Iridium² LED BGP353 road-lighting luminaire

Product details



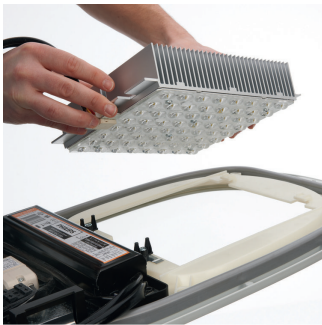
Gear tray replacement without use of tools (disconnection)



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)

Iridium² LED Large

Approval and Application

Mech. impact protection code IK08

Controls and Dimming

Dimmable No

General Information

CE mark CE mark

Colored frame -

Parts color All parts colored

Coating -

Light source color 740 neutral white

Optical cover/lens type Flat glass

Driver included Yes

Green Flagship mark Green Flagship

Light source replaceable Yes

Lamp version 3S

Optic type Distribution
medium

Product Family Code BGP353

Initial Performance (IEC Compliant)

Init. Corr. Color Temperature 4000 K

Light Technical

Standard tilt angle side entry 0°

Standard tilt angle posttop 0°

Mechanical and Housing

Color Gray

Approval and Application

Order Code	Full Product Name	Surge Protection (Common/Differential)
910925439476	BGP353 GRN117-3S/740 II DM AL GR T15	Philips standard surge protection level
910925439496	BGP353 ECO142-3S/740 II DM AL GR T25	Philips standard surge protection level
910925439498	BGP353 ECO156-3S/740 II DM AL GR T25	Philips standard surge protection level
910925439501	BGP353 ECO198-3S/740 II DM AL GR T25	-

General Information (1/2)

Order Code	Full Product Name	Luminaire light beam spread	ENEC mark	Flammability mark	Lamp family code
910925439476	BGP353 GRN117-3S/740 II DM AL GR T15	150° x 62°	-	-	GRN117
910925439496	BGP353 ECO142-3S/740 II DM AL GR T25	150° x 62°	-	-	ECO142

Order Code	Full Product Name	Luminaire light beam spread	ENEC mark	Flammability mark	Lamp family code
910925439498	BGP353 ECO156-3S/740 II DM AL GR T25	150° x 62°	-	-	ECO156
910925439501	BGP353 ECO198-3S/740 II DM AL GR T25	-	ENEC mark	-	ECO198

General Information (2/2)

Order Code	Full Product Name	Number of gear units	Number of light sources
910925439476	BGP353 GRN117-3S/740 II DM AL GR T15	1 unit	96 pcs
910925439496	BGP353 ECO142-3S/740 II DM AL GR T25	1 unit	56 pcs

Order Code	Full Product Name	Number of gear units	Number of light sources
910925439498	BGP353 ECO156-3S/740 II DM AL GR T25	1 unit	64 pcs
910925439501	BGP353 ECO198-3S/740 II DM AL GR T25	-	80 pcs

Initial Performance (IEC Compliant)

Iridium² LED Large

Order Code	Full Product Name	Init. Color	Initial luminous
		Rendering Index	flux
910925439476	BGP353 GRN117-3S/740 II DM AL GR T15	70	10674 lm
910925439496	BGP353 ECO142-3S/740 II DM AL GR T25	70	12297 lm

Order Code	Full Product Name	Init. Color	Initial luminous
		Rendering Index	flux
910925439498	BGP353 ECO156-3S/740 II DM AL GR T25	70	13316 lm
910925439501	BGP353 ECO198-3S/740 II DM AL GR T25	-	16352 lm

Light Technical

Order Code	Full Product Name	Upward light output ratio
910925439476	BGP353 GRN117-3S/740 II DM AL GR T15	0
910925439496	BGP353 ECO142-3S/740 II DM AL GR T25	0

Order Code	Full Product Name	Upward light output ratio
910925439498	BGP353 ECO156-3S/740 II DM AL GR T25	0
910925439501	BGP353 ECO198-3S/740 II DM AL GR T25	-

