PHILIPS Lighting

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

data subject to change

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Type	BGP353
Light source	LEDGINE 2.0 module
Power	GreenLine: min 83 W, max 134 W
	EconomyLine: min 118 W, max 203 W
Luminous flux	GreenLine: min 6000 lm, max 12,300 lm
	EconomyLine: min 8900 lm, max 18,060 lm
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 -	GreenLine: 100,000 hours
L80F10	EconomyLine: 70,000 hours
Driver	Integrated

Specifications

Dimming	CLO
Controls system input	1-10 V and DALI
Options	Photocell: NEMA socket
	Fuse
Optic	LEDGINE Road Medium (DM), Road Wide (DW), Road Extra Wide (DX), Road Comfort (DC), Road Wet Road (DK)
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 and 76 mm
	Side entry: 48 and 60 mm
	Operating temperature: - 25ºC < T
	Recommended mounting height: 8 to 12 m
	Standard tilt angle post top: 0 and 5º
	Adjustable tilt angle: 0 and 5º

Versions

Product details

Product details
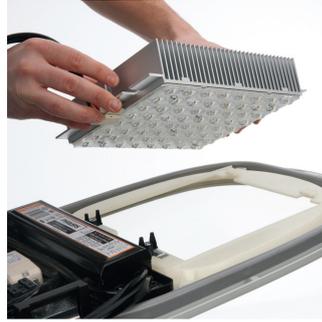
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Application Conditions

Average ambient temperature	15 °C

Approval and Application

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

Controls and Dimming

Dimmable	No

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	Grey

Over Time Performance (IEC Compliant)

Driver failure rate at 5000 h	0.5 %

General Information

Order Code	Full Product Name	Lamp family code	Number of light sources
97529800	BGP353 GRN98-3S/740 DM AL GR T15	GRN98	80
97530400	BGP353 GRN117-3S/740 DM AL GR T15	GRN117	96
97533500	BGP353 GRN137-3S/740 DM AL GR T15	GRN137	96

Initial Performance (IEC Compliant)

Order Code	Full Product Name	Initial luminous flux
97529800	BGP353 GRN98-3S/740 DM AL GR T15	8943 lm
97530400	BGP353 GRN117-3S/740 DM AL GR T15	10674 lm

Order Code	Full Product Name	Initial luminous flux
97533500	BGP353 GRN137-3S/740 DM AL GR T15	12262 lm

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www.lighting.philips.com

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