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

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		**Colour Rendering Index**	Warm White: ≥ 84
Light source	Integral LED-module			Neutral White: ≥ 76
Power	GreenLine (GRN): 16-87 W depending on LED configuration			Cool White: ≥ 68
	EconomyLine (ECO): 20-144 W depending on LED configuration		**Lumen maintenance – L80F10**	GreenLine: 100,000 hours
				EconomyLine: 70,000 hours
Luminous flux	GreenLine: 1400-8300 lm		**Operating temperature range**	-25 to +35 ºC
	EconomyLine: 1700-13,400 lm			
Luminaire efficacy	Up to 110 lm/W		**Driver**	Built-in (self ballasted LED-module)
Correlated Colour Temperature	Warm White: 3000 K			
	Neutral White: 4000 K			
	EconomyLine: 5600 K			

Specifications

Mains voltage	220-240 V / 50-60 Hz		**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)
Dimming	CLO			
Controls system input	1-10 V and DALI			
Options	Dimming		**Optical cover**	Flat glass
	– Lumistep 6, 8 hrs		**Material**	Housing: die-cast aluminium
	– Dynadimmer			Cover: extra white tempered glass, 6 mm thick
	– Constant Light Output (CLO)		**Colour**	RAL7035 or silver grey (like RAL 9006) as standard
	– SDU			Other RAL or AKZO colours available on request
	– 1-10 V		**Installation**	Post top: 60 / 76 mm
	– DALI			Side entry: 42 / 60 mm
	– RF Antenna			Recommended mounting height: 8-12 m
	– Mains dimming			Standard tilt angle post top: 0 and 5º
	– Nema socket			Adjustable tilt angle: 0 and 5º
	– Photocell: mini cell 35, 55, 75 Lux			
	Fuse			
	Cable: 6, 8, 9, 10, 11, 12 m			
	Surge protection: 10 kV			

Versions

Iridium² LED Medium

Product details

Iridium² LED optical system

Smooth shape of Iridium² LED

Gear tray replacement without use of tools (disconnection)
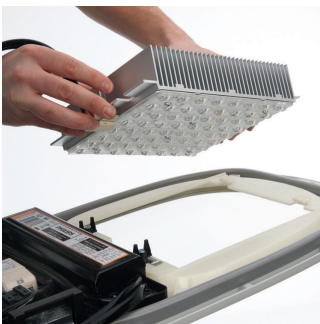

Gear tray replacement without use of tools (removing the gear tray)

Easy re-LEDing without use of tools (disconnection)

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

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

Easy re-LEDing without use of tools (installing a new LED module)

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Product details

Architecture of Iridium² LED

Integrated opening clip

Smooth shape of Iridium² LED

www.lighting.philips.com

2019, October 24 – data subject to change