Iridium gen3 – The connected intelligent 'plug & play' road luminaire

Iridium gen3 LED Large

Iridium gen3 is the first truly intelligent luminaire designed for seamless connectivity. No hassle in commissioning – just install the luminaire and control it from a distance through CityTouch management software. Remote light management made easy! The new 'plug & play' concept has been designed to ensure safe and easy installation in just three steps: 1. Install the spigot, 2. Plug in the mains, 3. Tilt and close the luminaire. The luminaire's high efficiency at system level ensures significant energy savings compared to existing conventional installations, offering a fast payback. Thanks to its wide choice of lumen packages, optics and color temperatures, Iridium gen3 fits most applications in residential areas. The luminaire's neo-classical design guarantees a consistent look and feel for your surroundings.

Benefits
· Seamless connection from luminaire to CityTouch software without commissioning
· 'Plug & play' installation in just three steps
· High efficiency ensuring fast payback and low TCO

Iridium gen3 LED Large

Features

- Seamless remote light management by means of CityTouch
- Auto-location and commissioning
- System efficacy of up to 127 lm/W
- Wide range of lumen packages between 7,200 and 15,500 lm
- Available in neutral white and warm white color temperature
- Choice of four optics: Distribution medium (DM), wide (DW), comfort (DC), road wet (DK)
- Separate spigot for safe and easy installation
- Lifetime of up to 100,000 hours at L80B10

Application

- Residential areas: residential streets, cycle paths & footpaths, roundabouts, pedestrian crossings, parking areas
- City centers: side streets, pedestrian crossings, cycle paths & footpaths, parking areas, roundabouts
- Area and Transportation: industrial areas, parking areas, petrol stations, airports, harbors, public transport areas, waterways
- Sports: parking areas

Specifications

Type	BGP383	**Options**	Dimming LumiStep 6, 8 hrs
Light source	Integral LED-module		DynaDimmer
Power	60 to 138 W depending on LED configuration		Constant Light Output (CLO)
Luminous flux	7372 to 15553 lm		SDU
Luminaire efficacy	104 to 131 lm/W		1-10 V
Correlated Color	3000 K (warm white)		DALI
Temperature	4000 K (neutral white)		RF regulation
Color Rendering Index	80 (warm white)		Mains dimming
	70 (neutral white)		Nema socket
Lumen maintenance at	min L80		Photocell: mini cell 35, 55, 70 Lux
median useful life*			Fuse
100000 h			Cable: 6-16 m
Control gear failure rate	10%		Surge protection
at median useful life		**Optic**	Distribution medium (DM), wide (DW), comfort (DC), road wet
100000 h			optic (DK)
Performance Ambient	+25 ºC	**Material**	Housing: high pressure die-cast aluminum
Temperature Tq			Cover: polycarbonate, flat
Operating temperature	-30 to +35 ºC	**Color**	Aluminum or grey
range			Other RAL or AKZO colors available on request
Driver	Built-in (self ballasted LED-module)	**Connection**	Push-in connector with 3 poles
Mains voltage	220-240 V / 50-60 Hz	**Maintenance**	Possibility to open with screw to replace driver and LED
Dimming	Dimmable versions available		module
Controls system input	1-10 V and DALI	**Installation**	Post top: 60 or 76 mm
			Side entry: 42 or 60 mm
			Recommended mounting height: 10 m
			Standard tilt angle post top: 0, 5 and 10º
			Adjustable tilt angle: 0, -5 and -10º

SR compatibility	For SR based luminaires only SR Certified components/sensors are to be used (see also: http://www.lighting.philips.co.uk/ oem-emea/products/driving-connected-lighting?.

Functional compatibility of 2 (SR certified) components/sensors to be used in combination as well as override possibility of any lineswitch functio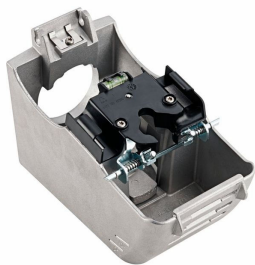n used in a SR based luminaire, is to be released by the master component/sensor supplier. For the use of NEMA 7pin socket on a SR based luminaire a full system verification is required. Not following these advises can/will cause risk of damage and non-compliance for which Signify cannot take any responsibility.

Versions

Iridium gen3 Large BGP383 road-lighting luminaire

Product details

OPDP_BGP383i_0003-Detail photo

OPDP_BGP383i_0007-Detail photo

Iridium gen3 LED Large

Product details

OPDP_BGP383i_0009-Detail
photo

www.lighting.philips.com

2020, February 28 – data subject to change