



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
- Equipped with Service tag, a QR-based identification system that makes each luminaire uniquely identifiable and provides maintenance, installation and spare part information

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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 100Khrs min L80 at Tq +25 °C

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

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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 function 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

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Product details

OPDP_BGP383i_0009-Detail
photo



Approval and Application

Mech. impact protection code	IK09
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General Information

Luminaire light beam spread	152°
CE mark	CE mark
Light source color	740 neutral white
Optical cover/lens type	Polycarbonate bowl/cover
Driver included	Yes
Flammability mark	-
Light source replaceable	Yes
Number of gear units	1 unit
Optic type	Distribution medium
Product Family Code	BGP383

Initial Performance (IEC Compliant)

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

Light Technical

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

Mechanical and Housing

Color	Gray
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Application Conditions

Order Code	Full Product Name	Maximum dim level
910925439680	BGP383 GRN185/740 II DM CO GR SP	Not applicable
910925863312	BGP383 GRN96/740 I DM AL GR D9 SP	0% (digital)
910925863313	BGP383 GRN106/740 I DM AL GR D9 SP	0% (digital)
910925863314	BGP383 GRN125/740 I DM AL GR D9 SP	0% (digital)
910925863315	BGP383 GRN135/740 I DM AL GR D9 SP	0% (digital)
910925863316	BGP383 GRN145/740 I DM AL GR D9 SP	0% (digital)
910925863317	BGP383 GRN116/740 I DM AL GR D9 SP	0% (digital)
910925863318	BGP383 GRN165/740 I DM AL GR D9 SP	0% (digital)
910925863319	BGP383 GRN175/740 I DM AL GR D9 SP	0% (digital)
910925863320	BGP383 GRN155/740 I DM AL GR D9 SP	0% (digital)
910925863321	BGP383 GRN185/740 I DM AL GR D9 SP	0% (digital)
910925865257	BGP383 GRN96/740 I DM CO GR SP	-

Approval and Application

Order Code	Full Product Name	Surge Protection (Common/Differential)
910925439680	BGP383 GRN185/740 II DM CO GR SP	4/4 kV
910925863312	BGP383 GRN96/740 I DM AL GR D9 SP	4/4 kV
910925863313	BGP383 GRN106/740 I DM AL GR D9 SP	4/4 kV
910925863314	BGP383 GRN125/740 I DM AL GR D9 SP	4/4 kV
910925863315	BGP383 GRN135/740 I DM AL GR D9 SP	4/4 kV
910925863316	BGP383 GRN145/740 I DM AL GR D9 SP	4/4 kV

Order Code	Full Product Name	Surge Protection (Common/Differential)
910925863317	BGP383 GRN116/740 I DM AL GR D9 SP	4/4 kV
910925863318	BGP383 GRN165/740 I DM AL GR D9 SP	4/4 kV
910925863319	BGP383 GRN175/740 I DM AL GR D9 SP	4/4 kV
910925863320	BGP383 GRN155/740 I DM AL GR D9 SP	4/4 kV
910925863321	BGP383 GRN185/740 I DM AL GR D9 SP	4/4 kV

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Order Code	Full Product Name	Surge Protection (Common/Differential)
910925865257	BGP383 GRN96/740 I DM CO GR SP	Philips standard surge protection level

Controls and Dimming

Order Code	Full Product Name	Dimmable
910925439680	BGP383 GRN185/740 II DM CO GR SP	No
910925863312	BGP383 GRN96/740 I DM AL GR D9 SP	Yes
910925863313	BGP383 GRN106/740 I DM AL GR D9 SP	Yes
910925863314	BGP383 GRN125/740 I DM AL GR D9 SP	Yes
910925863315	BGP383 GRN135/740 I DM AL GR D9 SP	Yes
910925863316	BGP383 GRN145/740 I DM AL GR D9 SP	Yes

Order Code	Full Product Name	Dimmable
910925863317	BGP383 GRN116/740 I DM AL GR D9 SP	Yes
910925863318	BGP383 GRN165/740 I DM AL GR D9 SP	Yes
910925863319	BGP383 GRN175/740 I DM AL GR D9 SP	Yes
910925863320	BGP383 GRN155/740 I DM AL GR D9 SP	Yes
910925863321	BGP383 GRN185/740 I DM AL GR D9 SP	Yes
910925865257	BGP383 GRN96/740 I DM CO GR SP	No

General Information (1/2)

Order Code	Full Product Name	Parts				Glow-wire test
		color	Coating	Gear		
910925439680	BGP383 GRN185/740 II DM CO GR SP	Cover painted	Marine salt protected coating	EB	Temperature 650 °C, duration 5 s	
910925863312	BGP383 GRN96/740 I DM AL GR D9 SP	All parts colored	Marine salt protected coating	EB	Temperature 650 °C, duration 5 s	
910925863313	BGP383 GRN106/740 I DM AL GR D9 SP	All parts colored	Marine salt protected coating	EB	Temperature 650 °C, duration 5 s	
910925863314	BGP383 GRN125/740 I DM AL GR D9 SP	All parts colored	Marine salt protected coating	EB	Temperature 650 °C, duration 5 s	
910925863315	BGP383 GRN135/740 I DM AL GR D9 SP	All parts colored	Marine salt protected coating	EB	Temperature 650 °C, duration 5 s	
910925863316	BGP383 GRN145/740 I DM AL GR D9 SP	All parts colored	Marine salt protected coating	EB	Temperature 650 °C, duration 5 s	

Order Code	Full Product Name	Parts				Glow-wire test
		color	Coating	Gear		
910925863317	BGP383 GRN116/740 I DM AL GR D9 SP	All parts colored	Marine salt protected coating	EB	Temperature 650 °C, duration 5 s	
910925863318	BGP383 GRN165/740 I DM AL GR D9 SP	All parts colored	Marine salt protected coating	EB	Temperature 650 °C, duration 5 s	
910925863319	BGP383 GRN175/740 I DM AL GR D9 SP	All parts colored	Marine salt protected coating	EB	Temperature 650 °C, duration 5 s	
910925863320	BGP383 GRN155/740 I DM AL GR D9 SP	All parts colored	Marine salt protected coating	EB	Temperature 650 °C, duration 5 s	
910925863321	BGP383 GRN185/740 I DM AL GR D9 SP	All parts colored	Marine salt protected coating	EB	Temperature 650 °C, duration 5 s	
910925865257	BGP383 GRN96/740 I DM CO GR SP	-	-	-	-	

General Information (2/2)

Order Code	Full Product Name	Lamp family code	UL mark
910925439680	BGP383 GRN185/740 II DM CO GR SP	GRN185	-
910925863312	BGP383 GRN96/740 I DM AL GR D9 SP	GRN96	-
910925863313	BGP383 GRN106/740 I DM AL GR D9 SP	GRN106	-
910925863314	BGP383 GRN125/740 I DM AL GR D9 SP	GRN125	-
910925863315	BGP383 GRN135/740 I DM AL GR D9 SP	GRN135	-
910925863316	BGP383 GRN145/740 I DM AL GR D9 SP	GRN145	-

Order Code	Full Product Name	Lamp family code	UL mark
910925863317	BGP383 GRN116/740 I DM AL GR D9 SP	GRN116	-
910925863318	BGP383 GRN165/740 I DM AL GR D9 SP	GRN165	-
910925863319	BGP383 GRN175/740 I DM AL GR D9 SP	GRN175	-
910925863320	BGP383 GRN155/740 I DM AL GR D9 SP	GRN155	-
910925863321	BGP383 GRN185/740 I DM AL GR D9 SP	GRN185	-
910925865257	BGP383 GRN96/740 I DM CO GR SP	GRN96	-

Initial Performance (IEC Compliant)

Order Code	Full Product Name	Initial luminous flux
910925439680	BGP383 GRN185/740 II DM CO GR SP	16650 lm

Order Code	Full Product Name	Initial luminous flux
910925863312	BGP383 GRN96/740 I DM AL GR D9 SP	8928 lm

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Order Code	Full Product Name	Initial luminous flux
910925863313	BGP383 GRN106/740 I DM AL GR D9 SP	9765 lm
910925863314	BGP383 GRN125/740 I DM AL GR D9 SP	11500 lm
910925863315	BGP383 GRN135/740 I DM AL GR D9 SP	12420 lm
910925863316	BGP383 GRN145/740 I DM AL GR D9 SP	13340 lm
910925863317	BGP383 GRN116/740 I DM AL GR D9 SP	10695 lm

Order Code	Full Product Name	Initial luminous flux
910925863318	BGP383 GRN165/740 I DM AL GR D9 SP	15015 lm
910925863319	BGP383 GRN175/740 I DM AL GR D9 SP	15750 lm
910925863320	BGP383 GRN155/740 I DM AL GR D9 SP	14105 lm
910925863321	BGP383 GRN185/740 I DM AL GR D9 SP	16650 lm
910925865257	BGP383 GRN96/740 I DM CO GR SP	8928 lm

