



Iridium gen3 – The connected intelligent ‘plug & play’ road luminaire

Iridium gen3 LED Medium

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 129 lm/W
- Wide range of lumen packages between 4,500 and 9,800 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	BGP382
Light source	Integral LED-module
Power	38 to 86 W depending on LED configuration
Luminous flux	4616 to 9951 lm
Luminaire efficacy	106 to 132 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: 6-12 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: 8 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 Medium BGP382
road-lighting luminaire

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Application Conditions

Maximum dim level	0% (digital)
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Approval and Application

Mech. impact protection code	IK09
Surge Protection (Common/Differential)	4/4 kV

Controls and Dimming

Dimmable	Yes
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General Information

Luminaire light beam spread	152°
CE mark	CE mark
Parts color	All parts colored
Coating	Marine salt protected coating
Light source color	740 neutral white
Optical cover/lens type	Polycarbonate bowl/cover
Driver included	Yes
Flammability mark	-
Gear	EB
Glow-wire test	Temperature 650 °C, duration 5 s
Light source replaceable	Yes
Number of gear units	1 unit
Number of light sources	1 pc
Optic type	Distribution medium
Product Family Code	BGP382
UL mark	-

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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General Information

Order Code	Full Product Name	Lamp family code
910925863305	BGP382 GRN55/740 I DM AL GR D9 SP	GRN55
910925863308	BGP382 GRN85/740 I DM AL GR D9 SP	GRN85
910925863309	BGP382 GRN95/740 I DM AL GR D9 SP	GRN95
910925863310	BGP382 GRN105/740 I DM AL GR D9 SP	GRN105
910925863311	BGP382 GRN115/740 I DM AL GR D9 SP	GRN115

Initial Performance (IEC Compliant)

Order Code	Full Product Name	Initial luminous flux
910925863305	BGP382 GRN55/740 I DM AL GR D9 SP	5208 lm
910925863308	BGP382 GRN85/740 I DM AL GR D9 SP	7998 lm
910925863309	BGP382 GRN95/740 I DM AL GR D9 SP	8832 lm

Order Code	Full Product Name	Initial luminous flux
910925863310	BGP382 GRN105/740 I DM AL GR D9 SP	9660 lm
910925863311	BGP382 GRN115/740 I DM AL GR D9 SP	10465 lm

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