



# 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)<br>70 (neutral white)      |
| Lumen maintenance at median useful life*<br>100000 h           | min L80                                    |
| Control gear failure rate<br>at median useful life<br>100000 h | 10%  |
| Performance Ambient<br>Temperature Tq                          | +25 °C                                     |
| Operating temperature<br>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<br>DynaDimmer<br>Constant Light Output (CLO)<br>SDU<br>1-10 V<br>DALI<br>RF regulation<br>Mains dimming<br>Nema socket<br>Photocell: mini cell 35, 55, 70 Lux<br>Fuse<br>Cable: 6-16 m<br>Surge protection |
| Optic        | Distribution medium (DM), wide (DW), comfort (DC), road wet optic (DK)   |
| Material     | Housing: high pressure die-cast aluminum<br>Cover: polycarbonate, flat   |
| Color        | Aluminum or grey<br>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<br>Side entry: 42 or 60 mm<br>Recommended mounting height: 10 m<br>Standard tilt angle post top: 0, 5 and 10°<br>Adjustable tilt angle: 0, -5 and -10°   |

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|                  |   |
|------------------|---|
| SR compatibility | <p>For SR based luminaires only SR Certified components/sensors are to be used (see also: <a href="http://www.lighting.philips.co.uk/oem-emea/products/driving-connected-lighting?">http://www.lighting.philips.co.uk/oem-emea/products/driving-connected-lighting?</a>).</p> <p>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.</p> |
|------------------|---|

## Versions



Iridium gen3 Large BGP383 road-lighting luminaire

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## Application Conditions

|                   |              |
|-------------------|--------------|
| Maximum dim level | 0% (digital) |
|-------------------|--------------|

## Approval and Application

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

## Controls and Dimming

|          |     |
|----------|-----|
| Dimmable | Yes |
|----------|-----|

## 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                           |
| Optic type                  | Distribution medium              |
| Product Family Code         | BGP383                           |
| 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 |
|-------|------|

## General Information

| Order Code   | Full Product Name                  | Lamp family code |
|--------------|------------------------------------|------------------|
| 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           |
| 910925863316 | BGP383 GRN145/740 I DM AL GR D9 SP | GRN145           |
| 910925863317 | BGP383 GRN116/740 I DM AL GR D9 SP | GRN116           |
| 910925863318 | BGP383 GRN165/740 I DM AL GR D9 SP | GRN165           |
| 910925863320 | BGP383 GRN155/740 I DM AL GR D9 SP | GRN155           |
| 910925863321 | BGP383 GRN185/740 I DM AL GR D9 SP | GRN185           |

## Initial Performance (IEC Compliant)

| Order Code   | Full Product Name                  | Initial luminous flux | Order Code   | Full Product Name                  | Initial luminous flux |
|--------------|------------------------------------|-----------------------|--------------|------------------------------------|-----------------------|
| 910925863312 | BGP383 GRN96/740 I DM AL GR D9 SP  | 8928 lm               | 910925863317 | BGP383 GRN116/740 I DM AL GR D9 SP | 10695 lm              |
| 910925863313 | BGP383 GRN106/740 I DM AL GR D9 SP | 9765 lm               | 910925863318 | BGP383 GRN165/740 I DM AL GR D9 SP | 15015 lm              |
| 910925863314 | BGP383 GRN125/740 I DM AL GR D9 SP | 11500 lm              | 910925863320 | BGP383 GRN155/740 I DM AL GR D9 SP | 14105 lm              |
| 910925863316 | BGP383 GRN145/740 I DM AL GR D9 SP | 13340 lm              | 910925863321 | BGP383 GRN185/740 I DM AL GR D9 SP | 16650 lm              |

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