

# Iridium gen3 LED Medium

## BGP382 LW10 GRN50/830 I DM CO GR SP

Iridium gen3 Medium, CityTouch with 10 years service contract, LED GreenLine 5000 lm, 830 warm white, Safety class I, Distribution medium, Grey, Spigot

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.

### Product data

| General Information | |
|---|---|
| **Lamp family code** | GRN50 [LED GreenLine 5000 lm] |
| **Light source replaceable** | Yes |
| **Number of gear units** | 1 unit |
| **Gear** | EB [Electronic] |
| **Driver included** | Yes |
| **Photocell** | - |
| **Remarks** | *-Per Lighting Europe guidance paper "Evaluating performance of LED based luminaires - January 2018": statistically there is no relevant difference in lumen maintenance between B50 and for example B10. Therefore, the median useful life (B50) value also represents the B10 value. |
| **Light source engine type** | LED |
| **Product family code** | BGP382 [Iridium gen3 Medium] |
| **Lighting Technology** | LED |
| **Embedded control** | - |
| **CE mark** | Yes |
| **Warranty period** | 5 years |

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| | |
|---|---|
| **Flammability mark** | - |
| **ENEC mark** | ENEC mark |
| **Glow-wire test** | Temperature 650 °C, duration 5 s |
| **EU RoHS compliant** | No |

## Light Technical

| | |
|---|---|
| **Upward light output ratio** | 0 |
| **Luminous Flux** | 4,642 lm |
| **Standard tilt angle posttop** | 0° |
| **Standard tilt angle side entry** | 0° |
| **Correlated Color Temperature (Nom)** | 3000 K |
| **Luminous Efficacy (rated) (Nom)** | 116 lm/W |
| **Color rendering index (CRI)** | 80 |
| **Number of light sources** | 1 |
| **Light source color** | 830 warm white |
| **Optical cover type** | Polycarbonate bowl/cover |
| **Luminaire light beam spread** | 152° |
| **Optic type outdoor** | Distribution medium |

## Operating and Electrical

| | |
|---|---|
| **Input Voltage** | 220 to 240 V |
| **Line Frequency** | 50 to 60 Hz |
| **Inrush current** | 45 A |
| **Inrush time** | 0.285 ms |
| **Power Consumption** | 40 W |
| **Power Factor (Fraction)** | 0.95 |
| **Connection** | Screw connection block 3-pole |
| **Cable** | - |
| **Number of products on MCB of 16 A type B** | 10 |

## Temperature

| | |
|---|---|
| **Ambient temperature range** | -40 to +50 °C |

## Controls and Dimming

| | |
|---|---|
| **Dimmable** | Yes |
| **Driver/power unit/transformer** | Power supply unit regulating external |
| **Control interface** | GPRS network |
| **Constant light output** | No |

## Mechanical and Housing

| | |
|---|---|
| **Housing Material** | Aluminum |
| **Reflector material** | - |
| **Optic material** | Polycarbonate |
| **Optical cover material** | Polycarbonate |
| **Fixation material** | Aluminum |
| **Housing Color** | Grey |
| **Mounting device** | Spigot |
| **Optical cover shape** | Flat |
| **Optical cover finish** | Textured |
| **Overall length** | 650 mm |
| **Overall width** | 330 mm |
| **Overall height** | 157 mm |
| **Effective projected area** | 0.031 m² |
| **Dimensions (Height x Width x Depth)** | 157 x 330 x 650 mm |
| **Parts color** | Cover painted |

## Approval and Application

| | |
|---|---|
| **Ingress protection code** | IP66 [Dust penetration-protected, jet-proof] |
| **Mech. impact protection code** | IK09 [10 J] |
| **Surge Protection (Common/Differential)** | 4/4 kV |
| **Protection class IEC** | Safety class I |

## Initial Performance (IEC Compliant)

| | |
|---|---|
| **Luminous flux tolerance** | +/-7% |
| **Initial chromaticity** | (0.43, 0.41) SDCM <5 |
| **Power consumption tolerance** | +/-10% |
| **Init. Color Rendering Index Tolerance** | +/-2 |

## Over Time Performance (IEC Compliant)

| | |
|---|---|
| **Control gear failure rate at median useful life 100000 h** | 10 % |
| **Lumen maintenance at median useful life* 100000 h** | L80 |

## Application Conditions

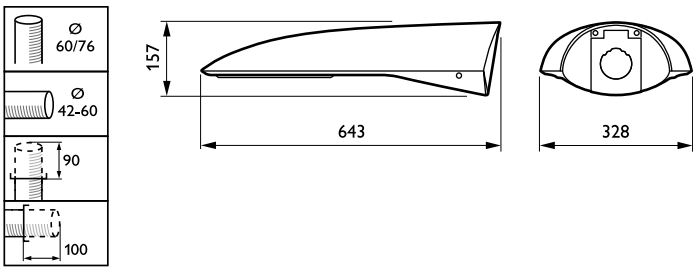
| | |
|---|---|
| **Performance ambient temperature Tq** | 25 °C |
| **Maximum dim level** | 0% (digital) |

## Product Data

| | |
|---|---|
| **Order product name** | BGP382 LW10 GRN50/830 I DM CO GR SP |
| **Full product name** | BGP382 LW10 GRN50/830 I DM CO GR SP |
| **Full product code** | 871829191196800 |
| **Order code** | 91196800 |
| **Material Nr. (12NC)** | 910925438373 |
| **Numerator - Quantity Per Pack** | 1 |
| **EAN/UPC - Product/Case** | 8718291911968 |
| **Numerator - Packs per outer box** | 1 |
| **EAN/UPC - Case** | 8718291911968 |

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## Dimensional drawing




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