# Iridium gen3 LED Mini

## BGP381 GRN35/830 I MSO CO GR SP

Iridium gen3 Mini, LED GreenLine 3500 lm, 830 warm white, Safety class I, Medium wide street optic, 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** | GRN35 [LED GreenLine 3500 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. * At extreme ambient temperatures the luminaire might automatically dim down to protect components |
| **Light source engine type** | LED |
| **Product family code** | BGP381 [Iridium gen3 Mini] |
| **Lighting Technology** | LED |
| **Embedded control** | - |
| **CE mark** | Yes |
| **Warranty period** | 5 years |
| **Flammability mark** | - |
| **ENEC mark** | ENEC mark |
| **Glow-wire test** | Temperature 650 °C, duration 5 s |

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| | |
|---|---|
| **EU RoHS compliant** | No |

## Light Technical

| | |
|---|---|
| **Upward light output ratio** | 0 |
| **Luminous Flux** | 3,255 lm |
| **Standard tilt angle posttop** | 0° |
| **Standard tilt angle side entry** | 0° |
| **Correlated Color Temperature (Nom)** | 3000 K |
| **Luminous Efficacy (rated) (Nom)** | 112 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** | Medium wide street optic |

## Operating and Electrical

| | |
|---|---|
| **Input Voltage** | 220 to 240 V |
| **Line Frequency** | 50 to 60 Hz |
| **Inrush current** | 22 A |
| **Inrush time** | 0.29 ms |
| **Power Consumption** | 29 W |
| **Power Factor (Fraction)** | 0.98 |
| **Connection** | Screw connection block 3-pole |
| **Cable** | - |
| **Number of products on MCB of 16 A type B** | 20 |

## Temperature

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

## Controls and Dimming

| | |
|---|---|
| **Dimmable** | No |
| **Driver/power unit/transformer** | Power supply unit regulating |
| **Control interface** | - |
| **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** | 531 mm |
| **Overall width** | 273 mm |
| **Overall height** | 156 mm |
| **Effective projected area** | 0.024 m² |
| **Dimensions (Height x Width x Depth)** | 156 x 273 x 531 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** | Not applicable |

## Product Data

| | |
|---|---|
| **Order product name** | BGP381 GRN35/830 I MSO CO GR SP |
| **Full product name** | BGP381 GRN35/830 I MSO CO GR SP |
| **Full product code** | 871829190820300 |
| **Order code** | 90820300 |
| **Material Nr. (12NC)** | 910925438269 |
| **Numerator - Quantity Per Pack** | 1 |
| **EAN/UPC - Product/Case** | 8718291908203 |
| **Numerator - Packs per outer box** | 1 |
| **EAN/UPC - Case** | 8718291908203 |

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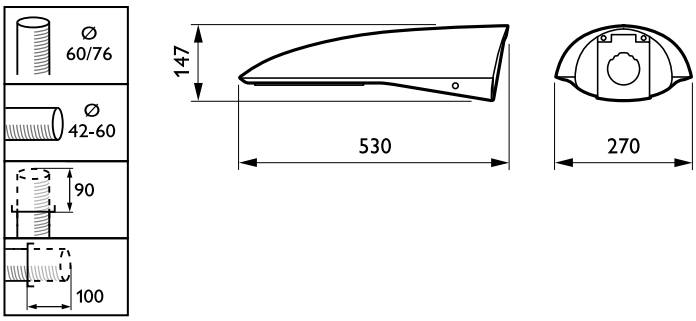
## Dimensional drawing

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