PHILIPS Lighting



Iridium gen3 LED Medium

BGP382 LWFP GRN105/740 I DM CO GR SP

Iridium gen3 Medium, CityTouch with future proof service, LED GreenLine 10500 lm, 740 neutral 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 | GRN105 [LED GreenLine 10500 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 |
| | |

Iridium gen3 LED Medium

| 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 | 9,259 lm |
| Standard tilt angle posttop | 0° |
| Standard tilt angle side entry | 0° |
| Correlated Color Temperature (Nom) | 4000 K |
| Luminous Efficacy (rated) (Nom) | 132 lm/W |
| Color rendering index (CRI) | 70 |
| Number of light sources | 1 |
| Light source color | 740 neutral 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 | 70 W |
| Power Factor (Fraction) | 0.96 |
| Connection | Screw connection block 3-pole |
| Cable | - |
| Number of products on MCB of 16 A type B 10 | |

-40 to +50 °C

Temperature

Ambient temperature range

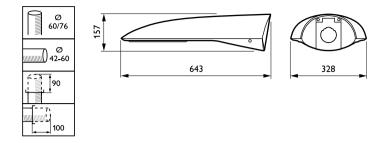
Controls and Dimming

| Controts and Dimining | |
|-------------------------------|---------------------------------------|
| 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 | (0.38, 0.38) SDCM <5 |
| Power consumption tolerance | +/-10% |
| Init. Color Rendering Index Tolerance | +/-2 |
| | |
| Over Time Performance (IEC Complia | int) |
| Control gear failure rate at median useful | 10 % |
| life 100000 h | |
| Lumen maintenance at median useful life* | L80 |
| 100000 h | |
| | |
| Application Conditions | |
| Performance ambient temperature Tq | 25 ℃ |
| Maximum dim level | 0% (digital) |
| Product Data | |
| Order product name | BGP382 LWFP GRN105/740 I DM CO GR SF |
| | BGP382 LWFP GRN105/740 I DM CO GR SF |
| Full product name | |
| Full product name Full product code | 871829191239200 |
| | 871829191239200 91239200 |
| Full product code | |
| Full product code Order code Material Nr. (12NC) | 91239200 |
| Full product code Order code Material Nr. (12NC) Numerator - Quantity Per Pack | 91239200 910925438417 |
| Full product code Order code Material Nr. (12NC) | 91239200 910925438417 1 |

Iridium gen3 LED Medium

Dimensional drawing





© 2023 Signify Holding All rights reserved. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify. Philips and the Philips Shield Emblem are registered trademarks of Koninklijke Philips N.V.

www.lighting.philips.com 2023, April 29 - data subject to change