PHILIPS

Lighting



Iridium gen3 LED Medium

BGP382 LW10 GRN90/830 I DM CO GR SP

Iridium gen3 Medium - CityTouch with 10 years service contract - LED GreenLine 9000 lm - 830 warm white - Safety class I (I) - Distribution medium - Cover painted - Gray - 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	
Number of light sources	1 [1 pc]
Lamp family code	GRN90 [LED GreenLine 9000 lm]
Light source colour	830 warm white
Light source replaceable	Yes
Number of gear units	1 unit
Gear	EB [Electronic]
Driver/power unit/transformer	PSR-E [Power supply unit regulating external (PSR)]
Driver included	Yes

Optical cover/lens type	PC [Polycarbonate bowl/cover]
Luminaire light beam spread	152°
Embedded control	No [-]
Control interface	GPRS network
Light regulation	-
Electrical circuit protection	Fuse included
Connection	SI [Screw connection block]
Cable	-
Protection class IEC	Safety class I (I)
Parts colour	Cover painted

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Coating	Marine salt protected coating
Glow-wire test	650/5 [Temperature 650 °C, duration 5 s]
Flammability mark	NO [-]
CE mark	CE mark
ENEC mark	ENEC mark
UL mark	-
Warranty period	5 years
Outdoor optic type	Distribution medium
Photocell	No [-]
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.
Constant light output	No
Number of products on MCB	10
RoHS mark	-
WEEE mark	-
LED engine type	LED
Product Family Code	BGP382 [Iridium gen3 Medium]

Light Technical

Upward light output ratio	0
Standard tilt angle post-top	0°
Standard tilt angle side entry	0°

Operating and Electrical

Input voltage	220 to 240 V
Input frequency	50 to 60 Hz
Inrush current	45 A
Inrush time	0.285 ms
Power factor (min.)	0.99

Controls and Dimming

Dimmable	Yes

Mechanical and Housing

Housing material	Aluminum
Reflector material	-
Optic material	Polycarbonate
Optical cover/lens material	Polycarbonate
Fixation material	Aluminum
Mounting device	SP [Spigot]
Optical cover/lens shape	Flat
Optical cover/lens finish	Textured
Overall length	650 mm
Overall width	330 mm
Overall height	157 mm
Effective projected area	0.031 m²

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

Initial Performance (IEC Compliant)

Initial luminous flux	7908 lm
Luminous flux tolerance	+/-7%
Initial LED luminaire efficacy	105 lm/W
Init. Corr. colour temperature	3000 K
Init. colour rendering index	80
Initial chromaticity	(0.43, 0.41) SDCM <5
Initial input power	75 W
Power consumption tolerance	+/-11%

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

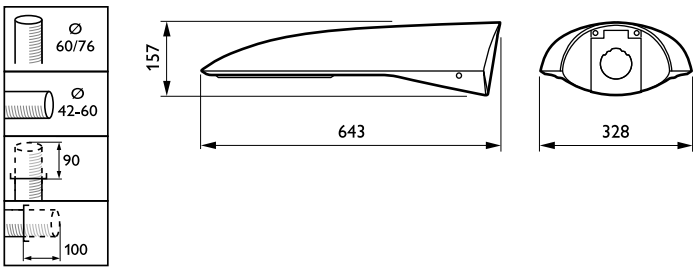
Ambient temperature range	-40 to +50 °C
Performance ambient temperature Tq	25 °C
Maximum dimming level	0% (digital)

Product Data

Full product code	871829191200200
Order product name	BGP382 LW10 GRN90/830 I DM CO GR SP
EAN/UPC – product	8718291912002
Order code	91200200
Numerator – quantity per pack	1
Numerator – packs per outer box	1
Material no. (12NC)	910925438377
Net weight (piece)	10.000 kg

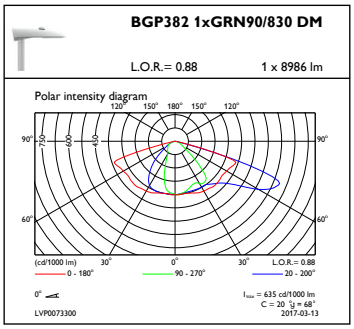
Iridium gen3 LED Medium

Dimensional drawing



Iridium3 LED BGP382

Photometric data



OFPC1_BGP3821xGRN90830DM

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