



Iridium gen3 LED Medium

BGP382 LWFP GRN100/830 II DM CO GR SP

Iridium gen3 Medium, CityTouch with future proof service, LED GreenLine 10000 lm, 830 warm white, Safety class II, 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	GRN100 [LED GreenLine 10000 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

Datasheet, 2023, September 4 data subject to change

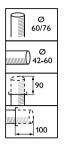
Iridium gen3 LED Medium

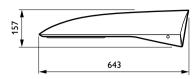
Flammability mark	
ENEC mark	ENEC mark
Glow-wire test	Temperature 650 °C, duration 5 s
EU RoHS compliant	No
Light Technical	
Upward light output ratio	0
Luminous Flux	8,763 lm
Standard tilt angle posttop	0°
Standard tilt angle side entry	0°
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	103 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	85 W
Power Factor (Fraction)	0.99
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
i	
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
	ShiPor

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 II
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 Complia	nt)
Control gear failure rate at median useful	10 %
life 100000 h	
Lumen maintenance at median useful life $^{\!\star}$	L80
100000 h	
Application Conditions	
Performance ambient temperature Tq	25 ℃
Maximum dim level	0% (digital)
Product Data	
Order product name	
	BGP382 LWFP GRN100/830 II DM CO GR
	SP BGP382 LWFP GRN100/830 II DM CO GR
Full product name	
Full product name	SP
Full product name Full product code	SP BGP382 LWFP GRN100/830 II DM CO GR
	SP BGP382 LWFP GRN100/830 II DM CO GR SP
Full product code	SP BGP382 LWFP GRN100/830 II DM CO GR SP 871829191219400
Full product code Order code	SP BGP382 LWFP GRN100/830 II DM CO GR SP 871829191219400 910925438396
Full product code Order code Material Nr. (12NC)	SP BGP382 LWFP GRN100/830 II DM CO GR SP 871829191219400 910925438396 910925438396
Full product code Order code Material Nr. (12NC) Numerator - Quantity Per Pack	SP BGP382 LWFP GRN100/830 II DM CO GR SP 871829191219400 910925438396 910925438396 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.