



# Iridium gen3 LED Medium

### **BGP382 LW10 GRN50/830 II DM CO GR SP**

Iridium gen3 Medium, CityTouch with 10 years service contract, LED GreenLine 5000 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	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

Datasheet, 2023, April 29 data subject to change

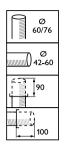
## Iridium gen3 LED Medium

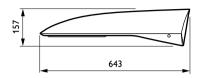
Flammability mark	-
ENEC mark	ENEC mark
Glow-wire test	Temperature 650 °C, duration 5 s
EU RoHS compliant	No
20 North Compitality	
Light Technical	
Upward light output ratio	0
Luminous Flux	4,642 lm
Standard tilt angle posttop	O°
Standard tilt angle side entry	O°
Correlated Color Temperature (Nom)	3000 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 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	ant)
Control gear failure rate at median useful	10 %
life 100000 h	
Lumen maintenance at median useful life*	L80
100000 h	
Application Conditions	25.95
Application Conditions  Performance ambient temperature Tq	25 °C
Application Conditions	25 °C 0% (digital)
Application Conditions  Performance ambient temperature Tq  Maximum dim level	
Application Conditions Performance ambient temperature Tq Maximum dim level  Product Data	0% (digital)
Application Conditions  Performance ambient temperature Tq  Maximum dim level  Product Data  Order product name	0% (digital)  BGP382 LW10 GRN50/830 II DM CO GR SP
Application Conditions Performance ambient temperature Tq Maximum dim level  Product Data Order product name Full product name	0% (digital)  BGP382 LW10 GRN50/830 II DM CO GR SP BGP382 LW10 GRN50/830 II DM CO GR SP
Application Conditions Performance ambient temperature Tq Maximum dim level  Product Data Order product name Full product name Full product code	0% (digital)  BGP382 LW10 GRN50/830 II DM CO GR SP BGP382 LW10 GRN50/830 II DM CO GR SP 871829191202600
Application Conditions  Performance ambient temperature Tq  Maximum dim level  Product Data  Order product name  Full product name  Full product code  Order code	0% (digital)  BGP382 LW10 GRN50/830 II DM CO GR SP BGP382 LW10 GRN50/830 II DM CO GR SP 871829191202600 91202600
Application Conditions  Performance ambient temperature Tq  Maximum dim level  Product Data  Order product name  Full product name  Full product code  Order code  Material Nr. (12NC)	0% (digital)  BGP382 LW10 GRN50/830 II DM CO GR SP BGP382 LW10 GRN50/830 II DM CO GR SP 871829191202600 91202600 910925438379
Application Conditions  Performance ambient temperature Tq  Maximum dim level  Product Data  Order product name  Full product code  Order code  Material Nr. (12NC)  Numerator - Quantity Per Pack	0% (digital)  BGP382 LW10 GRN50/830 II DM CO GR SP BGP382 LW10 GRN50/830 II DM CO GR SP 871829191202600 91202600 910925438379 1
Application Conditions Performance ambient temperature Tq Maximum dim level  Product Data Order product name Full product code Order code Material Nr. (12NC) Numerator - Quantity Per Pack EAN/UPC - Product/Case	0% (digital)  BGP382 LW10 GRN50/830 II DM CO GR SP BGP382 LW10 GRN50/830 II DM CO GR SP 871829191202600 91202600 910925438379 1 8718291912026
Application Conditions Performance ambient temperature Tq Maximum dim level  Product Data Order product name Full product name Full product code Order code Material Nr. (12NC) Numerator - Quantity Per Pack	0% (digital)  BGP382 LW10 GRN50/830 II DM CO GR SP BGP382 LW10 GRN50/830 II DM CO GR SP 871829191202600 91202600 910925438379 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.