



Iridium gen3 LED Mini

BGP381 GRN17/830 II MSO CO GR SP

Iridium gen3 Mini, LED GreenLine 1700 lm, 830 warm white, Safety class II, 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	GRN17 [LED GreenLine 1700 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)
	Bio. Therefore, the median dserut the (B50)
	value also represents the B10 value.

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
EU RoHS compliant	No
Light Technical	
Upward light output ratio	0

Datasheet, 2023, September 4 data subject to change

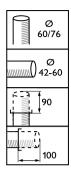
Iridium gen3 LED Mini

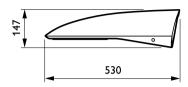
Luminous Flux	1,615 lm
Standard tilt angle posttop	0°
Standard tilt angle side entry	0°
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	111 lm/W
Color rendering index (CRI)	80
Number of light sources	1
Light source color	830 warm white
Optical cover type	Polycarbonate bowl/cover
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	15 A
Inrush time	0.36 ms
Power Consumption	14.6 W
Power Factor (Fraction)	0.98
Connection	Screw connection block 3-pole
Cable	-
Number of products on MCB of 16 A type B	23
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
	56.801
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 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	
Application Conditions Performance ambient temperature Tq	25°C
	25 °C Not applicable
Performance ambient temperature Tq	
Performance ambient temperature Tq	
Performance ambient temperature Tq Maximum dim level	
Performance ambient temperature Tq Maximum dim level Product Data	Not applicable
Performance ambient temperature Tq Maximum dim level Product Data Order product name	Not applicable BGP381 GRN17/830 II MSO CO GR SP
Performance ambient temperature Tq Maximum dim level Product Data Order product name Full product name	Not applicable BGP381 GRN17/830 II MSO CO GR SP BGP381 GRN17/830 II MSO CO GR SP
Performance ambient temperature Tq Maximum dim level Product Data Order product name Full product name Full product code	Not applicable BGP381 GRN17/830 II MSO CO GR SP BGP381 GRN17/830 II MSO CO GR SP 871829190832600
Performance ambient temperature Tq Maximum dim level Product Data Order product name Full product name Full product code Order code	Not applicable BGP381 GRN17/830 II MSO CO GR SP BGP381 GRN17/830 II MSO CO GR SP 871829190832600 910925438281
Performance ambient temperature Tq Maximum dim level Product Data Order product name Full product name Full product code Order code Material Nr. (12NC)	Not applicable BGP381 GRN17/830 II MSO CO GR SP BGP381 GRN17/830 II MSO CO GR SP 871829190832600 910925438281 910925438281
Performance ambient temperature Tq Maximum dim level Product Data Order product name Full product code Order code Material Nr. (12NC) Numerator - Quantity Per Pack	BGP381 GRN17/830 II MSO CO GR SP BGP381 GRN17/830 II MSO CO GR SP 871829190832600 910925438281 910925438281
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	Not applicable BGP381 GRN17/830 II MSO CO GR SP BGP381 GRN17/830 II MSO CO GR SP 871829190832600 910925438281 910925438281 1 8718291908326

Iridium gen3 LED Mini

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.