PHILIPS Lighting



Iridium gen3 LED Mini

BGP381 GRN45/740 I MSO CO GR SP

Iridium gen3 Mini, LED GreenLine 4500 lm, 740 neutral white, Safety class I, 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	GRN45 [LED GreenLine 4500 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. * At

	extreme ambient temperatures the luminaire
	might automatically dim down to protect
	components
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

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EU RoHS compliant	No
Light Technical	
Upward light output ratio	0
Luminous Flux	4,230 lm
Standard tilt angle posttop	0°
Standard tilt angle side entry	0°
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	143 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	Medium wide street optic

Mounting device	Spigot
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 IKO9 [10 J] Surge Protection (Common/Differential) 4/4 kV Protection class IEC Safety class I

	Initial Performance (IEC Compliant)	
20 to 240 V	Luminous flux tolerance	+/-7%
0 to 60 Hz	Initial chromaticity	(0.38, 0.38) SDCM <5
2 A	Power consumption tolerance	+/-10%
0.29 ms	Init. Color Rendering Index Tolerance	+/-2
9.5 W		
0.98	Over Time Performance (IEC Compliant)	

Control gear failure rate at median useful	10 %
life 100000 h	
Lumen maintenance at median useful life*	L80
100000 h	

Application Conditions

Performa	Performance ambient temperature Tq	25 °C

Maximum dim level Not applicable

Product Data

Order product name	BGP381 GRN45/740 I MSO CO GR SP
Full product name	BGP381 GRN45/740 I MSO CO GR SP
Full product code	871829190824100
Order code	910925438273
Material Nr. (12NC)	910925438273
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718291908241
Numerator - Packs per outer box	1
EAN/UPC - Case	8718291908241

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Inrush current	22 A
Inrush time	0.29 ms
Power Consumption	29.5 W
Power Factor (Fraction)	0.98
Connection	Screw connection block 3-pole
Cable	-
Number of products on MCB of 16 A type	20
В	
Temperature	
Ambient temperature range	-40 to +50 °C

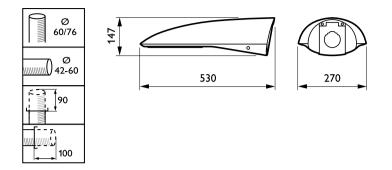
Controls and Dimming

Operating and Electrical

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

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Dimensional drawing





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