



Iridium gen3 LED Mini

BGP381 GRN45/740 II DM CO GR CLO-DDF2 SP

Iridium gen3 Mini, LED GreenLine 4500 lm, 740 neutral white, Safety class II, Distribution medium, Grey, Constant light output and DynaDimmer fixed presets version 2, 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		Constant light output and DynaDimmer fixed presets version 2
CE mark		Yes
Warranty period		5 years

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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	3,813 lm
Standard tilt angle posttop	0°
Standard tilt angle side entry	0°
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	141 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	Distribution medium

Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Initial CLO power consumption	27 W
Average CLO power consumption	28 W
End CLO power consumption	28.5 W
Inrush current	22 A
Inrush time	0.29 ms
Power Consumption	28.5 W
Power Factor (Fraction)	0.98
Connection	Screw connection block 3-pole
Cable	-
Number of products on MCB of 16 A type B	20

Temperature

Ambient temperature range	-40 to +50 °C
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Controls and Dimming

Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DynaDimmer and constant light output (integrated)
Control interface	-
Constant light output	Yes

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	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	(0.38, 0.38) SDCM <5
Power consumption tolerance	+/-10%
Init. Color Rendering Index Tolerance	+/-2

Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 100000 h	10 %
Lumen maintenance at median useful life* 100000 h	L100

Application Conditions

Performance ambient temperature Tq	25 °C
Maximum dim level	50%

Product Data

Order product name	BGP381 GRN45/740 II DM CO GR CLO-DDF2 SP
Full product name	BGP381 GRN45/740 II DM CO GR CLO-DDF2 SP
Full product code	871869631947500
Order code	31947500
Material Nr. (12NC)	910925439204
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696319475
Numerator - Packs per outer box	1
EAN/UPC - Case	8718696319475

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Dimensional drawing

