



Iridium gen3 LED Mini

BGP381 GRN45/740 II MSO CO GR SP

Iridium gen3 Mini, LED GreenLine 4500 lm, 740 neutral 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	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

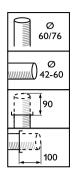
Datasheet, 2023, April 30 data subject to change

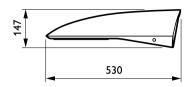
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EU RoHS compliant	No	Mounting device	Spigot
		Optical cover shape	Flat
Light Technical		Optical cover finish	Textured
Upward light output ratio	0	Overall length	531 mm
Luminous Flux	4,230 lm	Overall width	273 mm
Standard tilt angle posttop	O°	Overall height	156 mm
Standard tilt angle side entry	O°	Effective projected area	0.024 m²
Correlated Color Temperature (Nom)	4000 K	Dimensions (Height x Width x Depth)	156 x 273 x 531 mm
Luminous Efficacy (rated) (Nom)	143 lm/W	Parts color	Cover painted
Color rendering index (CRI)	70		
Number of light sources	1	Approval and Application	
Light source color	740 neutral white	Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Optical cover type	Polycarbonate bowl/cover	Mech. impact protection code	IK09 [10 J]
Luminaire light beam spread	152°	Surge Protection (Common/Differential)	4/4 kV
Optic type outdoor	Medium wide street optic	Protection class IEC	Safety class II
Operating and Electrical		Initial Performance (IEC Compliant)	1
Input Voltage	220 to 240 V	Luminous flux tolerance	+/-7%
Line Frequency	50 to 60 Hz	Initial chromaticity	(0.38, 0.38) SDCM <5
Inrush current	22 A	Power consumption tolerance	+/-10%
Inrush time	0.29 ms	Init. Color Rendering Index Tolerance	+/-2
Power Consumption	29.5 W		
Power Factor (Fraction)	0.98	Over Time Performance (IEC Compliant)	
Connection	Screw connection block 3-pole	Control gear failure rate at median useful	. 10 %
Cable	-	life 100000 h	
Number of products on MCB of 16 A type	20	Lumen maintenance at median useful	L80
В		life* 100000 h	
Temperature		Application Conditions	
Ambient temperature range	-40 to +50 °C	Performance ambient temperature Tq	25 °C
		Maximum dim level	Not applicable
Controls and Dimming			
Dimmable	No	Product Data	
Driver/power unit/transformer	Power supply unit regulating	Order product name	BGP381 GRN45/740 II MSO CO GR SP
Control interface	-	Full product name	BGP381 GRN45/740 II MSO CO GR SP
Constant light output	No	Full product code	871829190846300
		Order code	90846300
Mechanical and Housing		Material Nr. (12NC)	910925438295
Housing Material	Aluminum	Numerator - Quantity Per Pack	1
Reflector material	-	EAN/UPC - Product/Case	8718291908463
Optic material	Polycarbonate	Numerator - Packs per outer box	1
Optical cover material	Polycarbonate	EAN/UPC - Case	8718291908463
Fixation material	Aluminum		
Housing Color	Grey		

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Dimensional drawing









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