Iridium gen3 LED Mini

BGP381 GRN15/830 II MSO CO GR SP

Iridium gen3 Mini, LED GreenLine 1500 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	GRN15 [LED GreenLine 1500 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	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

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Luminous Flux	1,425 lm	**Optical cover finish**	Textured
Standard tilt angle posttop	0°	**Overall length**	531 mm
Standard tilt angle side entry	0°	**Overall width**	273 mm
Correlated Color Temperature (Nom)	3000 K	**Overall height**	156 mm
Luminous Efficacy (rated) (Nom)	110 lm/W	**Effective projected area**	0.024 m²
Color rendering index (CRI)	80	**Dimensions (Height x Width x Depth)**	156 x 273 x 531 mm
Number of light sources	1	**Parts color**	Cover painted
Light source color	830 warm white		
Optical cover type	Polycarbonate bowl/cover	**Approval and Application**	
Luminaire light beam spread	152°	**Ingress protection code**	IP66 [Dust penetration-protected, jet-proof]
Optic type outdoor	Medium wide street optic	**Mech. impact protection code**	IK09 [10 J]
		Surge Protection (Common/Differential)	4/4 kV
Operating and Electrical		**Protection class IEC**	Safety class II
Input Voltage	220 to 240 V		
Line Frequency	50 to 60 Hz	**Initial Performance (IEC Compliant)**	
Inrush current	15 A	**Luminous flux tolerance**	+/-7%
Inrush time	0.36 ms	**Initial chromaticity**	(0.43, 0.41) SDCM <5
Power Consumption	13 W	**Power consumption tolerance**	+/-10%
Power Factor (Fraction)	0.97	**Init. Color Rendering Index Tolerance**	+/-2
Connection	Screw connection block 3-pole		
Cable	–	**Over Time Performance (IEC Compliant)**	
Number of products on MCB of 16 A type B	23	**Control gear failure rate at median useful life 100000 h**	10 %
		Lumen maintenance at median useful life* 100000 h	L80
Temperature			
Ambient temperature range	–40 to +50 ℃	**Application Conditions**	
		Performance ambient temperature Tq	25 ℃
Controls and Dimming		**Maximum dim level**	Not applicable
Dimmable	No		
Driver/power unit/transformer	Power supply unit regulating	**Product Data**	
Control interface	–	**Order product name**	BGP381 GRN15/830 II MSO CO GR SP
Constant light output	No	**Full product name**	BGP381 GRN15/830 II MSO CO GR SP
		Full product code	871829190830200
Mechanical and Housing		**Order code**	910925438279
Housing Material	Aluminum	**Material Nr. (12NC)**	910925438279
Reflector material	–	**Numerator – Quantity Per Pack**	1
Optic material	Polycarbonate	**EAN/UPC – Product/Case**	8718291908302
Optical cover material	Polycarbonate	**Numerator – Packs per outer box**	1
Fixation material	Aluminum	**EAN/UPC – Case**	8718291908302
Housing Color	Grey		
Mounting device	Spigot		
Optical cover shape	Flat		

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Dimensional drawing

www.lighting.philips.com

2023, September 4 – data subject to change