Iridium gen3 LED Mini

BGP381 GRN30/740 I MSO CO GR SP

Iridium gen3 Mini, LED GreenLine 3000 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 colour 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	GRN30 [LED GreenLine 3000 lm]
Light source replaceable	Yes
Number of gear units	Unit
Gear	EB [Electronic]
Driver included	Yes
Photocell	-
Remarks	*- According to the Lighting Europe guidance paper 'Evaluating performance of LED based luminaires – January 2018': statistically there is no relevant difference in lumen maintenance between the B50 and, for example, the 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

Upwards light output ratio	0
Luminous Flux	2,820 lm
Standard tilt angle post-top	0°
Standard tilt angle side entry	0°
Correlated Colour Temperature	4000 K
Luminous efficacy (rated) (nom.)	147 lm/W
Colour rendering index (CRI)	70
Light source colour	740 neutral 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	22 A
Inrush time	0.29 ms
Power Consumption	19.2 W
Power Factor (Fraction)	0.95
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

Controls and Dimming

Dimmable	No
Driver/power unit/transformer	Power supply unit regulating
Control interface	-
Constant light output	No

Mechanical and Housing

Housing material	Aluminium
Reflector material	-
Optic material	Polycarbonate
Optical cover/lens material	Polycarbonate
Fixation material	Aluminium
Housing Colour	Grey
Mounting device	Spigot
Optical cover/lens shape	Flat
Optical cover/lens 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 colour	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 I

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 100,000 h	10 %
Lumen maintenance at median useful life* 100,000 h	L80

Application Conditions

Performance ambient temperature Tq	25 °C
Maximum dim level	Not applicable

Product Data

Order product name	BGP381 GRN30/740 I MSO CO GR SP
Full product name	BGP381 GRN30/740 I MSO CO GR SP
Full EOC	871829190819700
Order code	90819700
Material no. (12 NC)	910925438268
SAP numerator – quantity per pack	1
EAN/UPC — Product/Case	8718291908197
Numerator – packs per outer box	1
EAN/UPC - Case	8718291908197

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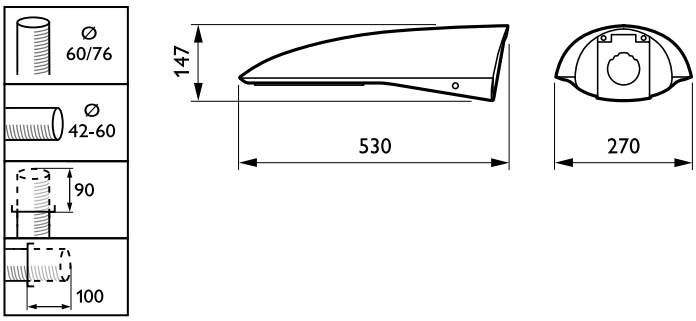
Dimensional drawing



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