



Iridium gen3 LED Mini

BGP381 LW10 GRN35/830 II MSO AL 7035 SP

Iridium gen3 Mini, CityTouch with 10 years service contract, LED GreenLine 3500 lm, 830 warm white, Safety class II, Medium wide street optic, 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	GRN35 [LED GreenLine 3500 lm]	B10. Therefore, the median useful life (B50) value also represents the B10 value.
Light source replaceable	Yes	Light source engine type
Number of gear units	1 unit	LED
Gear	EB [Electronic]	Product family code
Driver included	Yes	BGP381 [Iridium gen3 Mini]
Photocell	-	Lighting Technology
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	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
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Light Technical

Upward light output ratio	0
Luminous Flux	3,255 lm
Standard tilt angle posttop	0°
Standard tilt angle side entry	0°
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	112 lm/W
Color rendering index (CRI)	80
Number of light sources	1
Light source color	830 warm 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	29 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 regulating external
Control interface	GPRS network
Constant light output	No

Mechanical and Housing

Housing Material	Aluminum
Reflector material	-
Optic material	Polycarbonate
Optical cover material	Polycarbonate
Fixation material	Aluminum
Housing Color	RAL (to be defined)
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 m ²
Dimensions (Height x Width x Depth)	156 x 273 x 531 mm
Parts color	All parts colored

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	(0.43, 0.41) 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	L80

Application Conditions

Performance ambient temperature Tq	25 °C
Maximum dim level	0% (digital)

Product Data

Order product name	BGP381 LW10 GRN35/830 II MSO AL 7035 SP
Full product name	BGP381 LW10 GRN35/830 II MSO AL 7035 SP
Full product code	871869631938300
Order code	910925439194
Material Nr. (12NC)	910925439194
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696319383
Numerator - Packs per outer box	1
EAN/UPC - Case	8718696319383

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Dimensional drawing

