



Iridium gen3 LED Mini

BGP381 LW10 GRN20/830 I MSO CO GR SP

Iridium gen3 Mini, CityTouch with 10 years service contract, LED GreenLine 2000 lm, 830 warm 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 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	GRN20 [LED GreenLine 2000 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	

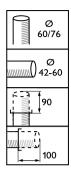
Datasheet, 2023, September 4 data subject to change

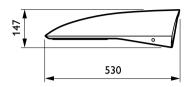
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EU RoHS compliant	No	Mounting device	Spigot
		Optical cover shape	Flat
Light Technical		Optical cover finish	Textured
Upward light output ratio	0	Overall length	531 mm
Luminous Flux	1,880 lm	Overall width	273 mm
Standard tilt angle posttop	0°	Overall height	156 mm
Standard tilt angle side entry	O°	Effective projected area	0.024 m²
Correlated Color Temperature (Nom)	3000 K	Dimensions (Height x Width x Depth)	156 x 273 x 531 mm
Luminous Efficacy (rated) (Nom)	106 lm/W	Parts color	Cover painted
Color rendering index (CRI)	80		
Number of light sources	1	Approval and Application	
Light source color	830 warm 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 I
Operating and Electrical		Initial Performance (IEC Compliant)	
Input Voltage	220 to 240 V	Luminous flux tolerance	+/-7%
Line Frequency	50 to 60 Hz	Initial chromaticity	(0.43, 0.41) SDCM <5
Inrush current	15 A	Power consumption tolerance	+/-10%
Inrush time	0.36 ms	Init. Color Rendering Index Tolerance	+/-2
Power Consumption	17.8 W		
		Over Time Deufermanes (IEC Compli	ant)
Power Factor (Fraction)	0.98	Over Time Performance (IEC Compli	ant)
Power Factor (Fraction) Connection	0.98 Screw connection block 3-pole	Control gear failure rate at median useful	
Connection	Screw connection block 3-pole	Control gear failure rate at median useful	10 %
Connection Cable	Screw connection block 3-pole	Control gear failure rate at median useful life 100000 h	10 %
Connection Cable Number of products on MCB of 16 A type	Screw connection block 3-pole	Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life*	10 %
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Connection Cable Number of products on MCB of 16 A type B	Screw connection block 3-pole	Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h	10 %
Connection Cable Number of products on MCB of 16 A type B Temperature	Screw connection block 3-pole - 23	Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h Application Conditions	10 % L80
Connection Cable Number of products on MCB of 16 A type B Temperature	Screw connection block 3-pole - 23	Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h Application Conditions Performance ambient temperature Tq	10 % L80 25 ℃
Connection Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range	Screw connection block 3-pole - 23	Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h Application Conditions Performance ambient temperature Tq	10 % L80 25 ℃
Connection Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming	Screw connection block 3-pole - 23 -40 to +50 °C	Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h Application Conditions Performance ambient temperature Tq Maximum dim level	10 % L80 25 ℃
Connection Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable	Screw connection block 3-pole - 23 -40 to +50 °C Yes	Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h Application Conditions Performance ambient temperature Tq Maximum dim level Product Data	10 % L80 25 ℃ O% (digital)
Connection Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer	Screw connection block 3-pole - 23 -40 to +50 °C Yes Power supply unit regulating external	Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h Application Conditions Performance ambient temperature Tq Maximum dim level Product Data Order product name	10 % L80 25 °C 0% (digital) BGP381 LW10 GRN20/830 I MSO CO GR SP
Connection Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface	Screw connection block 3-pole - 23 -40 to +50 °C Yes Power supply unit regulating external GPRS network	Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h Application Conditions Performance ambient temperature Tq Maximum dim level Product Data Order product name Full product name	10 % L80 25 °C 0% (digital) BGP381 LW10 GRN20/830 I MSO CO GR SP BGP381 LW10 GRN20/830 I MSO CO GR SP
Connection Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface	Screw connection block 3-pole - 23 -40 to +50 °C Yes Power supply unit regulating external GPRS network	Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h Application Conditions Performance ambient temperature Tq Maximum dim level Product Data Order product name Full product name Full product code	10 % L80 25 °C 0% (digital) BGP381 LW10 GRN20/830 I MSO CO GR SP BGP381 LW10 GRN20/830 I MSO CO GR SP 871869632091400
Connection Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output	Screw connection block 3-pole - 23 -40 to +50 °C Yes Power supply unit regulating external GPRS network	Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h Application Conditions Performance ambient temperature Tq Maximum dim level Product Data Order product name Full product name Full product code Order code	10 % L80 25 °C 0% (digital) BGP381 LW10 GRN20/830 I MSO CO GR SP BGP381 LW10 GRN20/830 I MSO CO GR SP 871869632091400 910925439263
Connection Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing	Screw connection block 3-pole - 23 -40 to +50 °C Yes Power supply unit regulating external GPRS network No	Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h Application Conditions Performance ambient temperature Tq Maximum dim level Product Data Order product name Full product name Full product code Order code Material Nr. (12NC)	10 % L80 25 °C 0% (digital) BGP381 LW10 GRN20/830 I MSO CO GR SP BGP381 LW10 GRN20/830 I MSO CO GR SP 871869632091400 910925439263 910925439263
Connection Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material	Screw connection block 3-pole - 23 -40 to +50 °C Yes Power supply unit regulating external GPRS network No	Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h Application Conditions Performance ambient temperature Tq Maximum dim level Product Data Order product name Full product name Full product code Order code Material Nr. (12NC) Numerator - Quantity Per Pack	10 % L80 25 ℃ 0% (digital) BGP381 LW10 GRN20/830 I MSO CO GR SP BGP381 LW10 GRN20/830 I MSO CO GR SP 871869632091400 910925439263 910925439263 1
Connection Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material Reflector material	Screw connection block 3-pole - 23 -40 to +50 °C Yes Power supply unit regulating external GPRS network No Aluminum -	Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h Application Conditions Performance ambient temperature Tq Maximum dim level Product Data Order product name Full product name Full product code Order code Material Nr. (12NC) Numerator - Quantity Per Pack EAN/UPC - Product/Case	10 % L80 25 ℃ 0% (digital) BGP381 LW10 GRN20/830 I MSO CO GR SP BGP381 LW10 GRN20/830 I MSO CO GR SP 871869632091400 910925439263 910925439263 1 8718696320914
Connection Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material Reflector material Optic material	Screw connection block 3-pole - 23 -40 to +50 °C Yes Power supply unit regulating external GPRS network No Aluminum - Polycarbonate	Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h Application Conditions Performance ambient temperature Tq Maximum dim level Product Data Order product name Full product name Full product code Order code Material Nr. (12NC) Numerator - Quantity Per Pack EAN/UPC - Product/Case Numerator - Packs per outer box	10 % L80 25 °C 0% (digital) BGP381 LW10 GRN20/830 I MSO CO GR SP BGP381 LW10 GRN20/830 I MSO CO GR SP 871869632091400 910925439263 910925439263 1 8718696320914 1
Connection Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material Reflector material Optic material Optical cover material	Screw connection block 3-pole - 23 -40 to +50 °C Yes Power supply unit regulating external GPRS network No Aluminum - Polycarbonate Polycarbonate	Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h Application Conditions Performance ambient temperature Tq Maximum dim level Product Data Order product name Full product name Full product code Order code Material Nr. (12NC) Numerator - Quantity Per Pack EAN/UPC - Product/Case Numerator - Packs per outer box	10 % L80 25 °C 0% (digital) BGP381 LW10 GRN20/830 I MSO CO GR SP BGP381 LW10 GRN20/830 I MSO CO GR SP 871869632091400 910925439263 910925439263 1 8718696320914 1

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Dimensional drawing









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