



# Iridium gen3 LED Medium

### BGP382 LW10 GRN100/830 I DM CO GR SP

Iridium gen3 Medium, CityTouch with 10 years service contract, LED GreenLine 10000 lm, 830 warm white, Safety class I, Distribution medium, 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	GRN100 [LED GreenLine 10000 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	BGP382 [Iridium gen3 Medium]
Lighting Technology	LED
Embedded control	-
CE mark	Yes
Warranty period	5 years

Datasheet, 2023, April 30 data subject to change

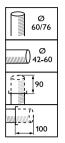
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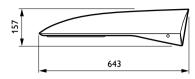
Flammability mark	-
ENEC mark	ENEC mark
Glow-wire test	Temperature 650 °C, duration 5 s
EU RoHS compliant	No
Light Technical	
Upward light output ratio	0
Luminous Flux	8,763 lm
Standard tilt angle posttop	0°
Standard tilt angle side entry	0°
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	103 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	Distribution medium
Operating and Electrical	
Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Inrush current	45 A
Inrush time	0.285 ms
Power Consumption	85 W
Power Factor (Fraction)	0.99
Connection	Screw connection block 3-pole
Cable	-
Number of products on MCB of 16 A type I	3 10
Temperature	
Ambient temperature range	-40 to +50 ℃
C + 1   181   1	
Controls and Dimming	
Dimmable	Yes
Dimmable  Driver/power unit/transformer	Power supply unit regulating external
Dimmable Driver/power unit/transformer Control interface	Power supply unit regulating external  GPRS network
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Dimmable  Driver/power unit/transformer  Control interface  Constant light output	Power supply unit regulating external  GPRS network
Dimmable Driver/power unit/transformer Control interface Constant light output  Mechanical and Housing	Power supply unit regulating external  GPRS network  No
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Mounting device	Spigot	
Optical cover shape	Flat	
Optical cover finish	Textured	
Overall length	650 mm	
Overall width	330 mm	
Overall height	157 mm	
Effective projected area	0.031 m²	
Dimensions (Height x Width x Depth)	157 x 330 x 650 mm	
Parts color	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	(0.43, 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	10 %	
life 100000 h		
Lumen maintenance at median useful life*	L80	
100000 h		
Application Conditions		
Performance ambient temperature Tq	25 ℃	
Maximum dim level	0% (digital)	
Product Data		
Order product name	BGP382 LW10 GRN100/830 I DM CO GR SP	
Full product name	BGP382 LW10 GRN100/830 I DM CO GR SP	
Full product code	871829191201900	
Order code	91201900	
Material Nr. (12NC)	910925438378	
Numerator - Quantity Per Pack	1	
EAN/UPC - Product/Case	8718291912019	
Numerator - Packs per outer box	1	
EAN/UPC - Case	8718291912019	

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#### Dimensional drawing









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