



# Iridium gen3 LED Large

## BGP383 LWFP GRN120/830 I DM CO GR SP

Iridium gen3 Large, CityTouch with future proof service, LED GreenLine 12000 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	GRN120 [LED GreenLine 12000 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
		BGP383 [Iridium gen3 Large]
		Lighting Technology
		LED
		Embedded control
		-
		CE mark
		Yes
		Warranty period
		5 years

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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	10,800 lm
Standard tilt angle posttop	0°
Standard tilt angle side entry	0°
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	120 lm/W
Color rendering index (CRI)	80
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	53 A
Inrush time	0.3 ms
Power Consumption	90 W
Power Factor (Fraction)	0.97
Connection	Screw connection block 3-pole
Cable	-
Number of products on MCB of 16 A type B	8

## 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	Grey

Mounting device	Spigot
Optical cover shape	Flat
Optical cover finish	Textured
Overall length	750 mm
Overall width	355 mm
Overall height	157 mm
Effective projected area	0.039 m²
Dimensions (Height x Width x Depth)	157 x 355 x 750 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 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	BGP383 LWFP GRN120/830 I DM CO GR SP
Full product name	BGP383 LWFP GRN120/830 I DM CO GR SP
Full product code	871829191142500
Order code	910925438319
Material Nr. (12NC)	910925438319
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718291911425
Numerator - Packs per outer box	1
EAN/UPC - Case	8718291911425

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### Dimensional drawing

