



# Iridium gen3 LED Medium

## BGP382 LWFP GRN85/740 II DC CO GR SP

Iridium gen3 Medium, CityTouch with future proof service, LED GreenLine 8500 lm, 740 neutral white, Safety class II, 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	GRN85 [LED GreenLine 8500 lm]	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 replaceable	Yes		
Number of gear units	1 unit		
Gear	EB [Electronic]	Light source engine type	LED
Driver included	Yes	Product family code	BGP382 [Iridium gen3 Medium]
Photocell	-	Lighting Technology	LED
Remarks	*-Per Lighting Europe guidance paper “Evaluating performance of LED based luminaires – January 2018”: statistically	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	7,553 lm
Standard tilt angle posttop	0°
Standard tilt angle side entry	0°
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	136 lm/W
Color rendering index (CRI)	70
Number of light sources	1
Light source color	740 neutral 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	55.5 W
Power Factor (Fraction)	0.96
Connection	Screw connection block 3-pole
Cable	-
Number of products on MCB of 16 A type B 10	

### 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	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 II

### 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 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	BGP382 LWFP GRN85/740 II DC CO GR SP
Full product name	BGP382 LWFP GRN85/740 II DC CO GR SP
Full product code	871829191244600
Order code	91244600
Material Nr. (12NC)	910925438422
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718291912446
Numerator - Packs per outer box	1
EAN/UPC - Case	8718291912446

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### Dimensional drawing

