# **PHILIPS** Lighting



# Iridium gen3 LED Large

# BGP383 LWFP GRN160/830 II DM CO GR SP

Iridium gen3 Large, CityTouch with future proof service, LED GreenLine 16000 lm, 830 warm 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	GRN160 [LED GreenLine 16000 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

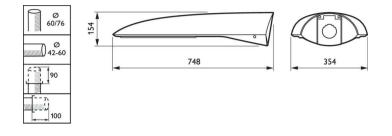
## Iridium gen3 LED Large

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	13,920 lm
Standard tilt angle posttop	0°
Standard tilt angle side entry	0°
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	110 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	126 W
Power Factor (Fraction)	0.98
Connection	Screw connection block 3-pole
Cable	-
Number of products on MCB of 16 A type B	8 8
Temperature	
Ambient temperature range	-40 to +50 °C
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 m <sup>2</sup>
	157 x 355 x 750 mm
Dimensions (Height x Width x Depth) Parts color	
Parts Color	Cover painted
Approval and Application	
Ingress protection code	IP66 [Dust penetration-protected, jet-
ingress protection code	
Mach impact protection code	
Mech. impact protection code	IK09 [10 J]
Surge Protection (Common/Differential) Protection class IEC	4/4 kV
	Safety class II
Initial Performance (IEC Compliant)	
Initial Performance (IEC Compliant) Luminous flux tolerance	. / 70/
	+/-7%
Initial chromaticity	(0.43, 0.41) SDCM <5
Power consumption tolerance	+/-10%
Init. Color Rendering Index Tolerance	+/-2
Over Time Performance (IEC Complia	nt)
Control gear failure rate at median useful	10 %
life 100000 h	
Lumen maintenance at median useful life*	L80
100000 h	
Application Conditions	
Application Conditions Performance ambient temperature Tq	25°C
	25 °C 0% (digital)
Performance ambient temperature Tq	
Performance ambient temperature Tq	
Performance ambient temperature Tq Maximum dim level	0% (digital)
Performance ambient temperature Tq Maximum dim level Product Data	0% (digital)
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Performance ambient temperature Tq Maximum dim level Product Data Order product name Full product name Full product code Order code	0% (digital) BGP383 LWFP GRN160/830 II DM CO GR SP BGP383 LWFP GRN160/830 II DM CO GR SP 871829191155500 910925438332
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#### Dimensional drawing





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