



# Iridium gen3 LED Large

#### BGP383 LW10 GRN116/740 II DC CO GR SP

Iridium gen3 Large, CityTouch with 10 years service contract, LED GreenLine 11600 lm, 740 neutral white, Safety class II, Distribution comfort, 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	GRN116 [LED GreenLine 11600 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

Datasheet, 2023, September 4 data subject to change

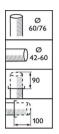
## Iridium gen3 LED Large

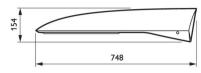
Flammability mark	-
ENEC mark	ENEC mark
Glow-wire test	Temperature 650 °C, duration 5 s
EU RoHS compliant	No
Light Technical	
Upward light output ratio	0
Luminous Flux	10,580 lm
Standard tilt angle posttop	0°
Standard tilt angle side entry	0°
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	158 lm/W
Color rendering index (CRI)	70
Light source color	740 neutral white
Optical cover type	Polycarbonate bowl/cover
Luminaire light beam spread	152°
Optic type outdoor	Distribution comfort
Operating and Electrical	
nput Voltage	220 to 240 V
ine Frequency	50 to 60 Hz
nrush current	53 A
nrush time	0.3 ms
Power Consumption	67 W
Power Factor (Fraction)	0.95
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
Controls and Dimming	
Dimmable	Yes
Oriver/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 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
Init. Color Rendering Index Tolerance	+/-2
Init. Color Rendering Index Tolerance  Over Time Performance (IEC Complia	
Over Time Performance (IEC Complia Control gear failure rate at median useful	
Over Time Performance (IEC Complia Control gear failure rate at median useful life 100000 h	nnt) 10 %
Over Time Performance (IEC Complia Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life*	nnt) 10 %
Over Time Performance (IEC Complia Control gear failure rate at median useful life 100000 h	nnt) 10 %
Over Time Performance (IEC Complia Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h	nnt) 10 %
Over Time Performance (IEC Complia Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h	10 % L80
Over Time Performance (IEC Complia Control gear failure rate at median useful life 100000 h  Lumen maintenance at median useful life* 100000 h  Application Conditions Performance ambient temperature Tq	ant) 10 % L80 25 ℃
Over Time Performance (IEC Complia Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h	10 % L80
Over Time Performance (IEC Complia 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	ant) 10 % L80 25 ℃
Over Time Performance (IEC Complia 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 °C 0% (digital)
Over Time Performance (IEC Complia 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	25 °C 0% (digital)  BGP383 LW10 GRN116/740 II DC CO GR SP
Over Time Performance (IEC Complia 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	25 °C 0% (digital)  BGP383 LW10 GRN116/740 II DC CO GR SP BGP383 LW10 GRN116/740 II DC CO GR SP
Over Time Performance (IEC Complia 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 code	25 °C 0% (digital)  BGP383 LW10 GRN116/740 II DC CO GR SP BGP383 LW10 GRN116/740 II DC CO GR SP 871829191168500
Over Time Performance (IEC Complia 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	25 °C 0% (digital)  BGP383 LW10 GRN116/740 II DC CO GR SP BGP383 LW10 GRN116/740 II DC CO GR SP 871829191168500 910925438345
Over Time Performance (IEC Complia 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)	25 °C 0% (digital)  BGP383 LW10 GRN116/740 II DC CO GR SP BGP383 LW10 GRN116/740 II DC CO GR SP 871829191168500 910925438345 910925438345
Over Time Performance (IEC Complia 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	ant)  10 %  L80  25 °C  0% (digital)  BGP383 LW10 GRN116/740 II DC CO GR SP  BGP383 LW10 GRN116/740 II DC CO GR SP  871829191168500  910925438345  910925438345  1
Over Time Performance (IEC Complia 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	25 °C 0% (digital)  BGP383 LW10 GRN116/740 II DC CO GR SP BGP383 LW10 GRN116/740 II DC CO GR SP 871829191168500 910925438345 910925438345 1 8718291911685
Over Time Performance (IEC Complia 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	ant)  10 %  L80  25 °C  0% (digital)  BGP383 LW10 GRN116/740 II DC CO GR SP  BGP383 LW10 GRN116/740 II DC CO GR SP  871829191168500  910925438345  910925438345  1

### Iridium gen3 LED Large

#### Dimensional drawing









© 2023 Signify Holding All rights reserved. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify. Philips and the Philips Shield Emblem are registered trademarks of Koninklijke Philips N.V.