



Iridium gen3 LED Large

BGP383 GRN145/740 I DM AL GR D9 SP

Iridium gen3 Large, LED GreenLine 14500 lm, 740 neutral 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	GRN145 [LED GreenLine 14500 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. * At
	extreme ambient temperatures the luminaire
	might automatically dim down to protect
	components
Light source engine type	LED
Product family code	BGP383 [Iridium gen3 Large]
Lighting Technology	LED
Embedded control	-
CE mark	Yes

Datasheet, 2023, September 4 data subject to change

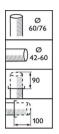
Iridium gen3 LED Large

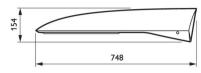
Warranty period	5 years
Warranty period	5 years
Flammability mark	- -
ENEC mark	ENEC mark
Glow-wire test	Temperature 650 °C, duration 5 s
EU RoHS compliant	No
Light Technical	
Upward light output ratio	0
Luminous Flux	13,340 lm
Standard tilt angle posttop	0°
Standard tilt angle side entry	0°
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	155 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 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	86 W
Power Factor (Fraction)	0.97
Connection	Screw connection block 5-pole
Cable	-
Number of products on MCB of 16 A type	8
В	
Temperature	
Ambient temperature range	-40 to +50 °C
Controls and Dimming	
Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DALI interface
Control interface	DALI
Constant light output	No
Mechanical and Housing	
Housing Material	Aluminum
Reflector material	-
Optic material	Polycarbonate
Optical cover material	Polycarbonate
	i otycarbonate
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	All parts colored
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	(0.38, 0.38) SDCM <5
Power consumption tolerance	+/-10%
Init. Color Rendering Index Tolerance	+/-2
	. ·
Over Time Performance (IEC Compl	. ·
Over Time Performance (IEC Comple Control gear failure rate at median useful	iant)
Over Time Performance (IEC Compl Control gear failure rate at median useful life 100000 h	i ant) 10 %
Over Time Performance (IEC Compl Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful	iant)
Over Time Performance (IEC Compl Control gear failure rate at median useful life 100000 h	i ant) 10 %
Over Time Performance (IEC Compl Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h	i ant) 10 %
Over Time Performance (IEC Complication Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h Application Conditions	iant) 10 % L80
Over Time Performance (IEC Completed Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h Application Conditions Performance ambient temperature Tq	iant) 10 % L80 25 °C
Over Time Performance (IEC Complication Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h Application Conditions	iant) 10 % L80
Over Time Performance (IEC Compl 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	iant) 10 % L80 25 °C
Over Time Performance (IEC Complements of the 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	iant) 10 % L80 25 °C 0% (digital)
Over Time Performance (IEC Complements of the 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	iant) 10 % L80 25 °C 0% (digital) BGP383 GRN145/740 DM AL GR D9 SP
Over Time Performance (IEC Complements of the 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	iant) 10 % L80 25 °C 0% (digital) BGP383 GRN145/740 I DM AL GR D9 SP BGP383 GRN145/740 I DM AL GR D9 SP
Over Time Performance (IEC Complements of the 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	iant) 10 % L80 25 °C 0% (digital) BGP383 GRN145/740 DM AL GR D9 SP BGP383 GRN145/740 DM AL GR D9 SP 871869634727000
Over Time Performance (IEC Complements of the 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	iant) 10 % L80 25 °C 0% (digital) BGP383 GRN145/740 I DM AL GR D9 SP BGP383 GRN145/740 I DM AL GR D9 SP 871869634727000 910925863316
Over Time Performance (IEC Complements of the 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)	iant) 10 % L80 25 °C 0% (digital) BGP383 GRN145/740 I DM AL GR D9 SP BGP383 GRN145/740 I DM AL GR D9 SP 871869634727000 910925863316 910925863316
Over Time Performance (IEC Complements of the 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	iant) 10 % L80 25 °C 0% (digital) BGP383 GRN145/740 DM AL GR D9 SP BGP383 GRN145/740 DM AL GR D9 SP 871869634727000 910925863316 910925863316 1
Over Time Performance (IEC Complements of the Control of Sear 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	iant) 10 % L80 25 °C 0% (digital) BGP383 GRN145/740 I DM AL GR D9 SP BGP383 GRN145/740 I DM AL GR D9 SP 871869634727000 910925863316 910925863316 1 8718696347270
Over Time Performance (IEC Complements) 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	iant) 10 % L80 25 °C 0% (digital) BGP383 GRN145/740 DM AL GR D9 SP BGP383 GRN145/740 DM AL GR D9 SP 871869634727000 910925863316 910925863316 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.