

# Iridium gen3 LED Large

### BGP383 LWFP GRN150/830 II DM CO GR SP

Iridium gen3 Large, CityTouch with future proof service, LED GreenLine 15000 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**

GRN150 [LED GreenLine 15000 lm]
Yes
1 unit
EB [Electronic]
Yes
-
*-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

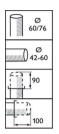
# Iridium gen3 LED Large

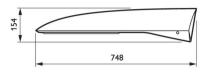
ENEC mark Glow-wire test Temperature 650 °C, duration 5 s EU RoHS compliant No  Light Technical Upward light output ratio Upward light output ratio O Luminous Flux Standard tilt angle postop O° Standard tilt angle side entry O° Correlated Color Temperature (Nom) 3000 K Luminous Efficacy (rated) (Nom) 114 lm/W Color rendering Index (CRI) 80 Light source color Bajowarm 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 current 153 A Inrush time 0.3 ms Power Consumption 116 W Power Factor (Fraction) 0.98 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 Driver/power unit/transformer Power supply unit regulating external Control interface Constant light output No  Mechanical and Housing Housing Material Aluminum Reflector material Polycarbonate Fixation material Aluminum Housing Color Mounting device Spigot	Flammability mark	
EUROHS compliant  Light Technical  Upward light output ratio  Luminous Flux  Standard tilt angle posttop  Standard tilt angle side entry  Correlated Color Temperature (Nom)  Light source color  Optical cover type  Lourinous Elficacy (rated) (Nom)  Ditaribution medium  Soprating and Electrical  Input Voltage  Line Frequency  Line Frequency  Line Frequency  Consumption  Power Consumption  Conection  Screw connection block 3-pole  Cable  - Number of products on MCB of 16 A type B  Driver/power unit/transformer  Constant light output  Mechanical and Housing  Mechanical and Housing  Reflector material  Polycarbonate  Polycarbonate  Polycarbonate  Fixation material  Aluminum  Aluminum  Polycarbonate  Fixation material  Aluminum  Housing Color  Grey		ENEC mark
Light Technical  Upward light output ratio  Luminous Flux  Standard tilt angle posttop  Standard tilt angle side entry  Correlated Color Temperature (Nom)  Standard tilt angle side entry  O°  Correlated Color Temperature (Nom)  114 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  116 W  Power Factor (Fraction)  O.98  Connection  Screw connection block 3-pole  Cable  - Number of products on MCB of 16 A type B  B  Temperature  Ambient temperature range  -40 to +50 °C  Control sand 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  Housing Color  Grey		
Light Technical  Upward light output ratio  Luminous Flux  13,200 lm  Standard tilt angle posttop  O'  Correlated Color Temperature (Nom)  Luminous Efficacy (rated) (Nom)  Luminous Efficacy (rated) (Nom)  Light source color  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  Inrush current  53 A  Inrush time  0.3 ms  Power Consumption  116 W  Power Factor (Fraction)  0.98  Connection  Screw connection block 3-pole  Cable  - Number of products on MCB of 16 A type B  B  Temperature  Ambient temperature range  -40 to +50 °C  Temperature  Control sand Dimming  Dimmable  Yes  Driver/power unit/transformer  Control interface  Constant light output  No  Mechanical and Housing  Housing Material  Aluminum  Housing Color  Grey	-	
Upward light output ratio         0           Luminous Flux         13,200 lm           Standard tilt angle posttop         0°           Standard tilt angle side entry         0°           Correlated Color Temperature (Nom)         3000 K           Luminous Efficacy (rated) (Nom)         114 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           Line Frequency         50 to 60 Hz           Inrush current         53 A           Inrush time         0.3 ms           Power Consumption         116 W           Power Factor (Fraction)         0.98           Connection         Screw connection block 3-pole           Cable         -           Number of products on MCB of 16 A type B         8           Temperature         -40 to +50 °C           Controls and Dimming         Power supply unit regulating external           Control interface         GPRS network           Control interface         GPRS network		
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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 Polycarbonate  Optical cover material Polycarbonate  Fixation material Aluminum  Housing Color Grey	Cable	-
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	Number of products on MCB of 16 A type B	8
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		
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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	Dimmable	Yes
Mechanical and Housing Housing Material Aluminum  Reflector material - Optic material Polycarbonate  Optical cover material Polycarbonate  Fixation material Aluminum  Housing Color Grey	Driver/power unit/transformer	Power supply unit regulating external
Mechanical and Housing  Housing Material Aluminum  Reflector material - Optic material Polycarbonate  Optical cover material Polycarbonate  Fixation material Aluminum  Housing Color Grey	Control interface	GPRS network
Housing Material Aluminum  Reflector material - Optic material Polycarbonate  Optical cover material Polycarbonate  Fixation material Aluminum  Housing Color Grey	Constant light output	No
Housing Material Aluminum  Reflector material - Optic material Polycarbonate  Optical cover material Polycarbonate  Fixation material Aluminum  Housing Color Grey		
Reflector material - Optic material Polycarbonate Optical cover material Polycarbonate Fixation material Aluminum Housing Color Grey	Mechanical and Housing	
Optic material     Polycarbonate       Optical cover material     Polycarbonate       Fixation material     Aluminum       Housing Color     Grey	Housing Material	Aluminum
Optical cover material     Polycarbonate       Fixation material     Aluminum       Housing Color     Grey	Reflector material	
Fixation material Aluminum  Housing Color Grey	Optic material	Polycarbonate
Housing Color Grey	Optical cover material	Polycarbonate
	Fixation material	Aluminum
Mounting device Spigot		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	(0.43, 0.41) SDCM <5
Power consumption tolerance	+/-10%
Init. Color Rendering Index Tolerance	+/-2
Over Time Performance (IEC Complia	unt)
Over Time Performance (IEC Complia Control gear failure rate at median useful	10 %
Control gear failure rate at median useful	10 %
Control gear failure rate at median useful life 100000 h	10 %
Control gear failure rate at median useful life 100000 h  Lumen maintenance at median useful life*	10 %
Control gear failure rate at median useful life 100000 h  Lumen maintenance at median useful life*	10 %
Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h	10 %
Control gear failure rate at median useful life 100000 h  Lumen maintenance at median useful life* 100000 h  Application Conditions	10 % L80
Control gear failure rate at median useful life 100000 h  Lumen maintenance at median useful life* 100000 h  Application Conditions  Performance ambient temperature Tq	10 % L80 25 ℃
Control gear failure rate at median useful life 100000 h  Lumen maintenance at median useful life* 100000 h  Application Conditions  Performance ambient temperature Tq	10 % L80 25 ℃
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	10 % L80 25 ℃
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 ℃ O% (digital)
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)  BGP383 LWFP GRN150/830 II DM CO GR
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	10 %  L80  25 °C  0% (digital)  BGP383 LWFP GRN150/830 II DM CO GR SP
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	10 %  L80  25 °C  0% (digital)  BGP383 LWFP GRN150/830 II DM CO GR SP  BGP383 LWFP GRN150/830 II DM CO GR
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	10 %  L80  25 °C  0% (digital)  BGP383 LWFP GRN150/830 II DM CO GR SP  BGP383 LWFP GRN150/830 II DM CO GR SP
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	10 %  L80  25 °C  0% (digital)  BGP383 LWFP GRN150/830 II DM CO GR SP  BGP383 LWFP GRN150/830 II DM CO GR SP  871829191154800
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	10 %  L80  25 °C  0% (digital)  BGP383 LWFP GRN150/830 II DM CO GR SP  BGP383 LWFP GRN150/830 II DM CO GR SP  871829191154800  910925438331
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)	10 %  L80  25 °C  0% (digital)  BGP383 LWFP GRN150/830 II DM CO GR SP  BGP383 LWFP GRN150/830 II DM CO GR SP  871829191154800  910925438331  910925438331
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  Order code  Material Nr. (12NC)  Numerator - Quantity Per Pack	10 %  L80  25 °C  0% (digital)  BGP383 LWFP GRN150/830 II DM CO GR SP  BGP383 LWFP GRN150/830 II DM CO GR SP  871829191154800  910925438331  910925438331
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  Order code  Material Nr. (12NC)  Numerator - Quantity Per Pack  EAN/UPC - Product/Case	10 %  L80  25 °C  0% (digital)  BGP383 LWFP GRN150/830 II DM CO GR SP  BGP383 LWFP GRN150/830 II DM CO GR SP  871829191154800  910925438331  910925438331  1  8718291911548

## Iridium gen3 LED Large

#### Dimensional drawing









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