



Iridium gen3 LED Medium

BGP382 LWFP GRN100/830 II DM AL 7035 SP

Iridium gen3 Medium, CityTouch with future proof service, LED GreenLine 10000 lm, 830 warm white, Safety class II, Distribution medium, Light gray (RAL7035), 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	GRN100 [LED GreenLine 10000 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	BGP382 [Iridium gen3 Medium]	
Lighting Technology	LED	

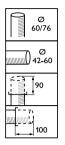
Datasheet, 2023, September 4 data subject to change

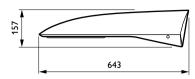
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Embedded control		Fixation material	Aluminum
CE mark	Yes	Housing Color	RAL (to be defined)
Warranty period	5 years	Mounting device	Spigot
Flammability mark	-	Optical cover shape	Flat
ENEC mark	ENEC mark	Optical cover finish	Textured
Glow-wire test	Temperature 650 °C, duration 5 s	Overall length	650 mm
EU RoHS compliant	No	Overall width	330 mm
		Overall height	157 mm
Light Technical		Effective projected area	0.031 m²
Upward light output ratio	0	Dimensions (Height x Width x Depth)	157 x 330 x 650 mm
Luminous Flux	8,763 lm	Parts color	All parts colored
Standard tilt angle posttop	0°		
Standard tilt angle side entry	O°	Approval and Application	
Correlated Color Temperature (Nom)	3000 K	Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Luminous Efficacy (rated) (Nom)	103 lm/W	Mech. impact protection code	IK09 [10 J]
Color rendering index (CRI)	80	Surge Protection (Common/Differential)	4/4 kV
Number of light sources	1	Protection class IEC	Safety class II
Light source color	830 warm white		
Optical cover type	Polycarbonate bowl/cover	Initial Performance (IEC Compliant)	
Luminaire light beam spread	152°	Luminous flux tolerance	+/-7%
Optic type outdoor	Distribution medium	Initial chromaticity	(0.43, 0.41) SDCM <5
		Power consumption tolerance	+/-10%
Operating and Electrical		Init. Color Rendering Index Tolerance	+/-2
Input Voltage	220 to 240 V		
		Over Time Performance (IEC Compliant)	
Line Frequency	50 to 60 Hz	Over Time Performance (IEC Compl	iant)
Line Frequency Inrush current	50 to 60 Hz 45 A	Over Time Performance (IEC Complete Control gear failure rate at median useful	
Inrush current	45 A	Control gear failure rate at median useful	
Inrush current Inrush time	45 A 0.285 ms	Control gear failure rate at median useful life 100000 h	. 10 %
Inrush current Inrush time Power Consumption	45 A 0.285 ms 85 W	Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful	. 10 %
Inrush current Inrush time Power Consumption Power Factor (Fraction)	45 A 0.285 ms 85 W 0.99	Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful	. 10 %
Inrush current Inrush time Power Consumption Power Factor (Fraction) Connection	45 A 0.285 ms 85 W 0.99 Screw connection block 3-pole	Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h	. 10 %
Inrush current Inrush time Power Consumption Power Factor (Fraction) Connection Cable	45 A 0.285 ms 85 W 0.99 Screw connection block 3-pole	Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h Application Conditions	L80
Inrush current Inrush time Power Consumption Power Factor (Fraction) Connection Cable Number of products on MCB of 16 A type	45 A 0.285 ms 85 W 0.99 Screw connection block 3-pole	Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h Application Conditions Performance ambient temperature Tq	1.10 % L80 25 ℃
Inrush current Inrush time Power Consumption Power Factor (Fraction) Connection Cable Number of products on MCB of 16 A type	45 A 0.285 ms 85 W 0.99 Screw connection block 3-pole	Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h Application Conditions Performance ambient temperature Tq	1.10 % L80 25 ℃
Inrush current Inrush time Power Consumption Power Factor (Fraction) Connection Cable Number of products on MCB of 16 A type B	45 A 0.285 ms 85 W 0.99 Screw connection block 3-pole	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	1.10 % L80 25 ℃
Inrush current Inrush time Power Consumption Power Factor (Fraction) Connection Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range	45 A 0.285 ms 85 W 0.99 Screw connection block 3-pole - 10	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) BGP382 LWFP GRN100/830 II DM AL 7035 SP
Inrush current Inrush time Power Consumption Power Factor (Fraction) Connection Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming	45 A 0.285 ms 85 W 0.99 Screw connection block 3-pole - 10 -40 to +50 °C	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	25 °C 0% (digital) BGP382 LWFP GRN100/830 II DM AL 7035
Inrush current Inrush time Power Consumption Power Factor (Fraction) Connection Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable	45 A 0.285 ms 85 W 0.99 Screw connection block 3-pole - 10 -40 to +50 °C	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) BGP382 LWFP GRN100/830 II DM AL 7035 SP BGP382 LWFP GRN100/830 II DM AL 7035 SP
Inrush current Inrush time Power Consumption Power Factor (Fraction) Connection Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer	45 A 0.285 ms 85 W 0.99 Screw connection block 3-pole - 10 -40 to +50 °C Yes Power supply unit regulating external	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) BGP382 LWFP GRN100/830 II DM AL 7035 SP BGP382 LWFP GRN100/830 II DM AL 7035 SP 871869632365600
Inrush current Inrush time Power Consumption Power Factor (Fraction) Connection Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface	45 A 0.285 ms 85 W 0.99 Screw connection block 3-pole - 10 -40 to +50 °C Yes Power supply unit regulating external GPRS network	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) BGP382 LWFP GRN100/830 II DM AL 7035 SP BGP382 LWFP GRN100/830 II DM AL 7035 SP
Inrush current Inrush time Power Consumption Power Factor (Fraction) Connection Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer	45 A 0.285 ms 85 W 0.99 Screw connection block 3-pole - 10 -40 to +50 °C Yes Power supply unit regulating external	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) BGP382 LWFP GRN100/830 II DM AL 7035 SP BGP382 LWFP GRN100/830 II DM AL 7035 SP 871869632365600 910925439312 910925439312
Inrush current Inrush time Power Consumption Power Factor (Fraction) Connection Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output	45 A 0.285 ms 85 W 0.99 Screw connection block 3-pole - 10 -40 to +50 °C Yes Power supply unit regulating external GPRS network	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) BGP382 LWFP GRN100/830 II DM AL 7035 SP BGP382 LWFP GRN100/830 II DM AL 7035 SP 871869632365600 910925439312
Inrush current Inrush time Power Consumption Power Factor (Fraction) Connection Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing	45 A 0.285 ms 85 W 0.99 Screw connection block 3-pole - 10 -40 to +50 °C Yes Power supply unit regulating external GPRS network No	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	25 °C 0% (digital) BGP382 LWFP GRN100/830 II DM AL 7035 SP BGP382 LWFP GRN100/830 II DM AL 7035 SP 871869632365600 910925439312 910925439312 1
Inrush current Inrush time Power Consumption Power Factor (Fraction) Connection Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material	45 A 0.285 ms 85 W 0.99 Screw connection block 3-pole - 10 -40 to +50 °C Yes Power supply unit regulating external GPRS network	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) BGP382 LWFP GRN100/830 II DM AL 7035 SP BGP382 LWFP GRN100/830 II DM AL 7035 SP 871869632365600 910925439312 910925439312 1 8718696323656
Inrush current Inrush time Power Consumption Power Factor (Fraction) Connection Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material Reflector material	45 A 0.285 ms 85 W 0.99 Screw connection block 3-pole - 10 -40 to +50 °C Yes Power supply unit regulating external GPRS network No Aluminum -	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 Numerator - Packs per outer box	25 °C 0% (digital) BGP382 LWFP GRN100/830 II DM AL 7035 SP BGP382 LWFP GRN100/830 II DM AL 7035 SP 871869632365600 910925439312 910925439312 1 8718696323656 1
Inrush current Inrush time Power Consumption Power Factor (Fraction) Connection Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material	45 A 0.285 ms 85 W 0.99 Screw connection block 3-pole - 10 -40 to +50 °C Yes Power supply unit regulating external GPRS network No Aluminum	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 Numerator - Packs per outer box	25 °C 0% (digital) BGP382 LWFP GRN100/830 II DM AL 7035 SP BGP382 LWFP GRN100/830 II DM AL 7035 SP 871869632365600 910925439312 910925439312 1 8718696323656 1

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Dimensional drawing









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