



Iridium gen3 LED Mini

BGP381 GRN45/740 I MSO CO GR SP

Iridium gen3 Mini, LED GreenLine 4500 lm, 740 neutral white, Safety class I, Medium wide street optic, 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 colour 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	GRN45 [LED GreenLine 4500 lm]
Light source replaceable	Yes
Number of gear units	Unit
Gear	EB [Electronic]
Driver included	Yes
Photocell	-
Remarks	*- According to the Lighting Europe guidance
	paper 'Evaluating performance of LED based
	luminaires – January 2018': statistically there
	is no relevant difference in lumen
	maintenance between the B50 and, for
	example, the B10. Therefore, the median
	useful life (B50) value also represents the
	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	BGP381 [Iridium gen3 Mini]		
Lighting Technology	LED		
Embedded control	-		
CE mark	Yes		
Warranty period	5 years		
Flammability mark	-		
ENEC mark	ENEC mark		
Glow-wire test	Temperature 650 °C, duration 5 s		

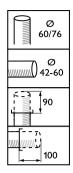
Datasheet, 2023, April 29 data subject to change

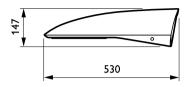
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EU RoHS compliant	No	Optical cover/lens shape	Flat
		Optical cover/lens finish	Textured
Light Technical		Overall length	531 mm
Upwards light output ratio	0	Overall width	273 mm
Luminous Flux	4,230 lm	Overall height	156 mm
Standard tilt angle post-top	0°	Effective projected area	0.024 m²
Standard tilt angle side entry	0°	Dimensions (height x width x depth)	156 x 273 x 531 mm
Correlated Colour Temperature	4000 K	Parts colour	Cover painted
Luminous efficacy (rated) (nom.)	143 lm/W		
Colour rendering index (CRI)	70	Approval and Application	
Light source colour	740 neutral white	Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Optical cover type	Polycarbonate bowl/cover	Mech. impact protection code	IK09 [10 J]
Luminaire light beam spread	152°	Surge Protection (Common/Differential)	4/4 kV
Optic type outdoor	Medium wide street optic	Protection class IEC	Safety class I
Operating and Electrical		Initial Performance (IEC Compliant)	
Input Voltage	220 to 240 V	Luminous flux tolerance	+/-7%
Line Frequency	50 to 60 Hz	Initial chromaticity	(0.38, 0.38) SDCM <5
Inrush current	22 A	Power consumption tolerance	+/-10%
Inrush time	0.29 ms	Init. Color Rendering Index Tolerance	+/-2
Power Consumption	29.5 W		
Power Factor (Fraction)	0.98	Over Time Performance (IEC Compli	ant)
Connection	Screw connection block 3-pole	Control gear failure rate at median useful	10 %
Cable	-	life 100,000 h	
Number of products on MCB of 16 A type	20	Lumen maintenance at median useful life*	L80
В		100,000 h	
Temperature		Application Conditions	
Ambient temperature range	-40 to +50 °C	Performance ambient temperature Tq	25 ℃
		Maximum dim level	Not applicable
Controls and Dimming			
Dimmable	No	Product Data	
Driver/power unit/transformer	Power supply unit regulating	Order product name	BGP381 GRN45/740 I MSO CO GR SP
Control interface	-	Full product name	BGP381 GRN45/740 I MSO CO GR SP
Constant light output	No	Full EOC	871829190824100
		Order code	90824100
Mechanical and Housing		Material no. (12 NC)	910925438273
Housing material	Aluminium	SAP numerator – quantity per pack	1
Reflector material	-	EAN/UPC — Product/Case	8718291908241
Optic material	Polycarbonate	Numerator – packs per outer box	1
Optical cover/lens material	Polycarbonate	EAN/UPC - Case	8718291908241
Fixation material	Aluminium		
Housing Colour	Grey		
Mounting device	Spigot		

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Dimensional drawing









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