



Luma Micro

BGP615 LED22-4S/757 PSR I DX10 GR CLO D1

LUMA MICRO, LED module 2200 lm, 757 cool white, Power supply unit regulating, Safety class I, Distribution extra wide 10, Grey, Spigot for diameter 62 mm

Luma is a high-performance road-lighting luminaire with a clear design identity, offering a perfectly cooled, fit-and-forget solution for all streets and roads. The lumen package, lifetime and energy profile can be tuned to create the desired solution in terms of energy and cost savings. Luma can be programmed to keep the flux of the LEDs at a predefined constant level over the lifetime of the luminaire — by increasing the operating current over time to compensate for the LED lumen depreciation. This eliminates over-lighting at the beginning, enabling additional extra energy savings. Luma uses the high-performance LEDGINE-O engine with latest LED performance and a wide range of optics to latest standards. Moreover, Luma's truly flat design prevents upward light. To optimize the light distribution for varying road geometries and/or glare restrictions, the tilt angle can easily be adjusted on installation.

Product data

General Information		
Lamp family code	LED22 [LED module 2200 lm]	
Light source replaceable	Yes	
Number of gear units	1 unit	
Driver included	Yes	
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	BGP615 [LUMA MICRO]	
Lighting Technology	LED	
Glow-wire test	Temperature 850 °C, duration 5 s	
Flammability mark	-	

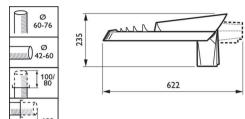
Datasheet, 2023, September 4 data subject to change

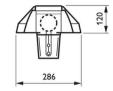
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CE mark	Yes	Optical cover material	Glass
ENEC mark	ENEC mark	Fixation material	Aluminum
Warranty period	5 years	Housing Color	Grey
EU RoHS compliant	No	Mounting device	Spigot for diameter 62 mm
Embedded control		Optical cover shape	Flat
		Optical cover finish	Clear
Light Technical		Overall length	622 mm
Upward light output ratio	0	Overall width	290 mm
Luminous Flux	1,827 lm	Overall height	130 mm
Standard tilt angle posttop	0°	Effective projected area	0.049 m²
Standard tilt angle side entry	0°	Dimensions (Height x Width x Depth)	130 x 290 x 622 mm
Correlated Color Temperature (Nom)	5700 K		
Luminous Efficacy (rated) (Nom)	131 lm/W	Approval and Application	
Color rendering index (CRI)	70	Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Number of light sources	12	Mech. impact protection code	IK09 [10 J]
Light source color	757 cool white	Surge Protection (Common/Differential)	Philips standard surge protection level
Optical cover type	Flat glass	Protection class IEC	Safety class I
Luminaire light beam spread	150° - 43° x 67°		
Optic type outdoor	Distribution extra wide 10	Initial Performance (IEC Compliant)	
		Luminous flux tolerance	+/-7%
Operating and Electrical		Initial chromaticity	(0.328, 0.342) SDCM <5
Input Voltage	220 to 240 V	Power consumption tolerance	+/-10%
Line Frequency	50 to 60 Hz	Init. Color Rendering Index Tolerance	+/-2
Initial CLO power consumption	14 W		
Average CLO power consumption	14.2 W	Over Time Performance (IEC Compliant)	
End CLO power consumption	14.4 W	Control gear failure rate at median useful	10 %
Inrush current	21 A	life 100000 h	
Inrush time	0.225 ms	Lumen maintenance at median useful	L100
Power Consumption	14 W	life* 100000 h	
Power Factor (Fraction)	0.93		
Connection	Screw connection block 3-pole	Application Conditions	
Cable	-	Performance ambient temperature Tq	25 °C
Number of products on MCB of 16 A type	26	Maximum dim level	Programmable
В			
		Product Data	
Temperature		Order product name	BGP615 LED22-4S/757 PSR I DX10 GR CLO
Ambient temperature range	-40 to +50 °C		D1
		Full product name	BGP615 LED22-4S/757 PSR I DX10 GR CLO
Controls and Dimming			D1
Dimmable	Yes	Full product code	871869637325500
Driver/power unit/transformer	Power supply unit regulating	Order code	910925452198
Control interface	Internal (no external connection)	Material Nr. (12NC)	910925452198
Constant light output	Yes	Numerator - Quantity Per Pack	1
		EAN/UPC - Product/Case	8718696373255
Mechanical and Housing		Numerator - Packs per outer box	1
Housing Material	Aluminum	EAN/UPC - Case	8718696373255
Reflector material	Polycarbonate		
Optic material	Polycarbonate		
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Dimensional drawing







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