PHILIPS Lighting



Luma Micro

BGP615 LED39-4S/740 PSR I DM50 GR CLO D1

LUMA MICRO, LED module 3900 lm, 740 neutral white, Power supply unit regulating, Safety class I, Distribution medium 50, 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	LED39 [LED module 3900 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	-

Luma Micro

CE mark	Yes
ENEC mark	ENEC mark
Warranty period	5 years
EU RoHS compliant	No
Embedded control	-
Light Technical	
Upward light output ratio	0
Luminous Flux	3,293 lm
Standard tilt angle posttop	0°
Standard tilt angle side entry	0°
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	137 lm/W
Color rendering index (CRI)	70
Number of light sources	20
Light source color	740 neutral white
Optical cover type	Flat glass
Luminaire light beam spread	154° - 31° x 54°
Optic type outdoor	Distribution medium 50

Operating	and	Electrical

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Initial CLO power consumption	24 W
Average CLO power consumption	24.5 W
End CLO power consumption	24.5 W
Inrush current	21 A
Inrush time	0.225 ms
Power Consumption	24 W
Power Factor (Fraction)	0.97
Connection	Screw connection block 3-pole
Cable	-
Number of products on MCB of 16 A type	26

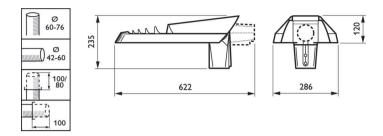
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Temperature		
Ambient temperature range	-40 to +50 °C	
Controls and Dimming		
Dimmable	Yes	
Driver/power unit/transformer	Power supply unit regulating	
Control interface	Internal (no external connection)	
Constant light output	Yes	
Mechanical and Housing		
Housing Material	Aluminum	
Reflector material	Polycarbonate	
Optic material	Polycarbonate	

Optical cover material	Glass	
Fixation material	Aluminum	
Housing Color	Grey	
Mounting device	Spigot for diameter 62 mm	
Optical cover shape	Flat	
Optical cover finish	Clear	
Overall length	622 mm	
Overall width	290 mm	
Overall height	130 mm	
Effective projected area	0.049 m²	
Dimensions (Height x Width x Depth)	130 x 290 x 622 mm	
Approval and Application		
Ingress protection code	IP66 [Dust penetration-protected, jet-proof]	
Mech. impact protection code	IK09 [10 J]	
Surge Protection (Common/Differential)	Philips standard surge protection level	
Protection class IEC	Safety class I	
Initial Performance (IEC Compliant)		
Luminous flux tolerance	+/-7%	
Initial chromaticity	(0.381, 0.379) SDCM <5	
Power consumption tolerance	+/-10%	
Init. Color Rendering Index Tolerance	+/-2	
Over Time Performance (IEC Compl	iant)	
Control gear failure rate at median useful	10 %	
life 100000 h		
Lumen maintenance at median useful	L100	
life* 100000 h		
Application Conditions		
Performance ambient temperature Tq	25 °C	
Maximum dim level	Programmable	
Product Data		
Order product name	BGP615 LED39-4S/740 PSR I DM50 GR CLO	
	D1	
Full product name	BGP615 LED39-4S/740 PSR I DM50 GR CLO	
	D1	
Full product code	871869637315600	
Order code	910925452188	
Material Nr. (12NC)	910925452188	
Numerator - Quantity Per Pack	1	
EAN/UPC - Product/Case	8718696373156	
Numerator - Packs per outer box	1	
EAN/UPC - Case	8718696373156	

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Dimensional drawing





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