PHILIPS Lighting



Luma

BGP623 60xLED139-4S/740 PSU II DX10 AL G

LUMA 1, 60, LED module 13900 lm, 740 neutral white, Power supply unit (On/Off), Safety class II, Distribution extra wide 10, Acrylate micro-lens optic, Grey, Constant light output, Philips standard surge protection level, Spigot for diameter 76 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. Luma uses the high-performance LEDGINE-O engine with latest LED performance and a wide range of optics to latest standards. Moreover Luma's trully 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. Luma is also equipped with a dedicate light recipes that preserves a dark night sky.

Product data

General Information	
Lamp family code	LED139 [LED module 13900 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	BGP623 [LUMA 1]
Lighting Technology	LED

Luma

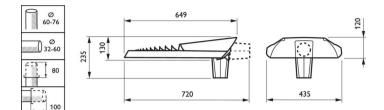
Embedded control	Constant light output	Optical cover material
CE mark	Yes	Fixation material
Warranty period	5 years	Housing Color
Flammability mark	-	Mounting device
ENEC mark	ENEC mark	Optical cover shape
EU RoHS compliant	Yes	Optical cover finish
		Overall length
Light Technical		Overall width
Upward light output ratio	0	Overall height
Luminous Flux	12,040 lm	Overall diameter
Standard tilt angle posttop	5°	Effective projected area
Standard tilt angle side entry	-	Dimensions (Height x Width x Dept
Correlated Color Temperature (Nom)	4000 K	
Luminous Efficacy (rated) (Nom)	143 lm/W	Approval and Application
Color rendering index (CRI)	≥70	Ingress protection code
Number of light sources	60	Mech. impact protection code
Light source color	740 neutral white	Surge Protection (Common/Differe
Optical cover type	Acrylate micro-lens optic	Protection class IEC
Luminaire light beam spread	20° - 4° x 150°	
Optic type outdoor	Distribution extra wide 10	Initial Performance (IEC Comp
		Luminous flux tolerance
Operating and Electrical		Initial chromaticity
Input Voltage	220 to 240 V	Power consumption tolerance
Line Frequency	50 to 60 Hz	Init. Color Rendering Index Toleran
Initial CLO power consumption	84 W	
Average CLO power consumption	86 W	Over Time Performance (IEC C
End CLO power consumption	88 W	Control gear failure rate at median
Inrush current	53 A	life 100000 h
Inrush time	0.3 ms	Lumen maintenance at median use
Power Consumption	84 W	life* 100000 h
Power Factor (Fraction)	0.97	
Connection	Connection unit 3-pole	Application Conditions
Cable	-	Performance ambient temperature
Number of products on MCB of 16 A typ	e 8	Maximum dim level
в		
		Product Data
Temperature		Order product name
Ambient temperature range	-40 to +50 °C	
		Full product name
Controls and Dimming		
Dimmable	No	Full product code
Driver/power unit/transformer	Power supply unit (On/Off)	Order code
Control interface	DALI	Material Nr. (12NC)
Constant light output	Yes	Numerator - Quantity Per Pack
		EAN/UPC - Product/Case
Mechanical and Housing		Numerator - Packs per outer box
Housing Material	Aluminum	EAN/UPC - Case
	-	
Reflector material	Polycarbonato	
Optic material	Polycarbonate	

Polycarbonate		
Aluminum		
Grey		
Spigot for diameter 76 mm		
Flat		
Clear		
649 mm		
435 mm		
235 mm		
76 mm		
0.057 m²		
235 x 435 x 649 mm		
IP66 [Dust penetration-protected, jet-proof]		
IK09 [10 J]		
Philips standard surge protection level		
Safety class II		
Initial Performance (IEC Compliant)		
+/-7%		
(0.382, 0.379) SDCM <5		

Initial chromaticity	(0.382, 0.379) SDCM <5	
Power consumption tolerance	+/-10%	
Init. Color Rendering Index Tolerance	+/-2	
Over Time Performance (IEC Compliant)		
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	Not applicable	
Product Data		
Order product name	BGP623 60xLED139-4S/740 PSU II DX10 AL	
	G	
Full product name	BGP623 60xLED139-4S/740 PSU II DX10 AL	
	G	
Full product code	871869945986400	
Order code	912300024006	
Material Nr. (12NC)	912300024006	

Luma

Dimensional drawing





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