



Luma

BGP623 60xLED100-4S/420 PSDD I DW10 AL G

LUMA 1, 60, LED module 10000 lm, 420 ClearStar NW, Power supply unit with DynaDimmer, Safety class I, Distribution wide 10, Acrylate micro-lens optic, Grey, 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	LED100 [LED module 10000 lm]
Light source replaceable	Yes
Number of gear units	1 unit
Driver included	Yes
Remarks	* 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
CE mark	Yes
Warranty period	5 years
Flammability mark	-
ENEC mark	ENEC mark
EU RoHS compliant	Yes

Light Technical	
Upward light output ratio	0
Luminous Flux	6,200 lm
Standard tilt angle posttop	-
Standard tilt angle side entry	-
Correlated Color Temperature (Nom)	2000 K
Luminous Efficacy (rated) (Nom)	105 lm/W
Color rendering index (CRI)	40
Number of light sources	60
Light source color	420 ClearStar NW
Optical cover type	Acrylate micro-lens optic
Luminaire light beam spread	52° - 7° x 151°
Optic type outdoor	Distribution wide 10

Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Inrush current	53 A
Inrush time	0.3 ms
Power Consumption	59 W
Power Factor (Fraction)	0.96
Connection	Connection unit 3-pole
Cable	-
Number of products on MCB of 16 A type B	8

Temperature

Ambient temperature range	-40 to +50 °C
---------------------------	---------------

Controls and Dimming

Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DynaDimmer
Control interface	Analog
Constant light output	No

Mechanical and Housing

Housing Material	Aluminum
Reflector material	-
Optic material	Polycarbonate
Optical cover material	Polycarbonate
Fixation material	Aluminum

Housing Color	Grey
Mounting device	Spigot for diameter 76 mm
Optical cover shape	Flat
Optical cover finish	Clear
Overall length	649 mm
Overall width	435 mm
Overall height	130 mm
Overall diameter	76 mm
Effective projected area	0.057 m²
Dimensions (Height x Width x Depth)	130 x 435 x 649 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	(0.382, 0.379) SDCM <5
Power consumption tolerance	+/-10%
Init. Color Rendering Index Tolerance	+/-2

Application Conditions

Maximum dim level	1%
-------------------	----

Product Data

Order product name	BGP623 60xLED100-4S/420 PSDD I DW10 AL G
Full product name	BGP623 60xLED100-4S/420 PSDD I DW10 AL G
Full product code	871869986549800
Order code	912300024272
Material Nr. (12NC)	912300024272
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699865498
Numerator - Packs per outer box	1
EAN/UPC - Case	8718699865498

