



Luma

BGP621 LED79/740 PSU II DX10 GR CLO 76

LUMA MINI, LED module 7900 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	LED79 [LED module 7900 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	BGP621 [LUMA MINI]
Lighting Technology	LED
Flammability mark	-
CE mark	Yes
ENEC mark	ENEC mark
Warranty period	5 years
EU RoHS compliant	Yes
Embedded control	Constant light output

Light Technical

Upward light output ratio	0
Luminous Flux	7.200 lm
Standard tilt angle posttop	5°
Standard tilt angle side entry	-
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	144 lm/W
Color rendering index (CRI)	≥70
Light source color	740 neutral white
Optical cover type	Acrylate micro-lens optic
Luminaire light beam spread	20° - 4° x 150°
Optic type outdoor	Distribution extra wide 10

Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Average CLO power consumption	49 W
End CLO power consumption	50 W
Inrush current	80 A
Inrush time	0.15 ms
Power Consumption	49.5 W
Power Factor (Fraction)	0.9
Connection	Connection unit 3-pole
Cable	-
Number of products on MCB of 16 A type B 9	

Temperature

Ambient temperature range	-40 to +50 °C
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Controls and Dimming

Dimmable	Yes
Driver/power unit/transformer	Power supply unit (On/Off)
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	720 mm
Overall width	310 mm
Overall height	130 mm
Overall diameter	76 mm
Effective projected area	0.055 m²
Dimensions (Height x Width x Depth)	130 x 310 x 720 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 II

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

Over Time Performance (IEC Compliant)

Driver failure rate at 5000 h	0.5 %
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Application Conditions

Maximum dim level	25%
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Product Data

Order product name	BGP621 LED79/740 PSU II DX10 GR CLO 76
Full product name	BGP621 LED79/740 PSU II DX10 GR CLO 76
Full product code	871869948062200
Order code	912300024088
Material Nr. (12NC)	912300024088
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699480622
Numerator - Packs per outer box	1
EAN/UPC - Case	8718699480622

Dimensional drawing

