



Luma

BGP627 LED400-4S/740 PSU II DX10 GR CLO

LUMA 3 - LED module 40000 lm - 740 neutral white - Power supply unit - Safety class II (II) - Distribution extra-wide 10 - Acrylate micro-lens optic - Gray - Philips standard surge protection level kV - - - Spigot for diameter 76 mm

Luma is a REVOLED™ 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’s truly flat design prevents upward light, and the OPTIFLUX™ lens optics meet current lighting standards. 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		Connection	
Lamp family code	LED400 [LED module 40000 lm]	Connection	CU3 [Connection unit 3-pole]
Light source colour	740 neutral white	Cable	-
Light source replaceable	Yes	Protection class IEC	Safety class II (II)
Number of gear units	1 unit	Flammability mark	NO [-]
Driver/power unit/transformer	PSU [Power supply unit]	CE mark	CE mark
Driver included	Yes	ENEC mark	ENEC mark
Optical cover/lens type	AC-MLO [Acrylate micro-lens optic]	Warranty period	5 years
Luminaire light beam spread	20° - 4° x 150°	Optic type outdoor	Distribution extra-wide 10
Control interface	Analog	Remarks	*- According to the Lighting Europe guidance paper 'Evaluating performance of LED based

Luma

	luminaires – January 2018*: statistically there is no relevant difference in lumen maintenance between the B50 and, for example, the 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
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Constant light output	Yes
Number of products on MCB (16 A type B)	8
EU RoHS compliant	Yes
LED engine type	LED
Serviceability class	Class A, the luminaire is equipped with serviceable parts (when applicable): LED board, driver, control units, surge-protection device, optics, front cover and mechanical parts
Product family code	BGP627 [LUMA 3]

Light Technical

Upward light output ratio	0
Standard tilt angle post-top	0°
Standard tilt angle side entry	-

Operating and Electrical

Input Voltage	220 to 240 V
Input frequency	50 to 60 Hz
Initial CLO power consumption	240 W
Average CLO power consumption	250 W
End CLO power consumption	255 W
Inrush current	53 A
Inrush time	0.3 ms
Power factor (min.)	0.99

Controls and Dimming

Dimmable	No
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Mechanical and Housing

Housing material	Aluminum
Reflector material	-
Optic material	Polycarbonate
Optical cover/lens material	Polycarbonate
Fixation material	Aluminium
Mounting device	76 [Spigot for diameter 76 mm]
Optical cover/lens shape	Flat
Optical cover/lens finish	Clear
Overall length	999 mm

Overall width	435 mm
Overall height	235 mm
Overall diameter	76 mm
Effective projected area	0.079 m²
Colour	Gray
Dimensions (height x width x depth)	235 x 435 x 999 mm (9.3 x 17.1 x 39.3 in)

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 kV

Initial Performance (IEC Compliant)

Initial luminous flux (system flux)	34000 lm
Luminous flux tolerance	+/-7%
Initial LED luminaire efficacy	139 lm/W
Init. Corr. Colour Temperature	4000 K
Init. Colour rendering index	≥70
Initial chromaticity	(0.382, 0.379) SDCM <5
Initial input power	245 W
Power consumption tolerance	+/-11%

Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 100,000 h	10 %
Lumen maintenance at median useful life* 100,000 h	L100

Application Conditions

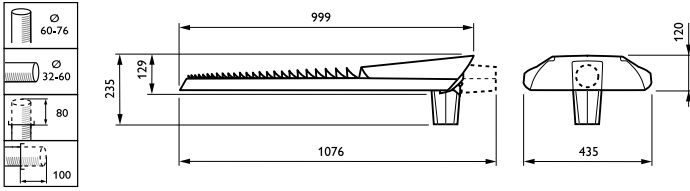
Ambient temperature range	-40 to +50 °C
Performance ambient temperature Tq	25 °C
Maximum dimming level	Not applicable

Product Data

Full product code	871869945994900
Order product name	BGP627 LED400-4S/740 PSU II DX10 GR CLO
EAN/UPC – product	8718699459949
Order code	45994900
Numerator – quantity per pack	1
SAP numerator – packs per outer box	1
Material no. (12 NC)	912300024014
Net Weight (Piece)	21.000 kg



Dimensional drawing



Luma BGP621-627

