



Luma

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

LUMA 3, LED module 40000 lm, 740 neutral white, Power supply unit (On/Off), Safety class II, Distribution extra wide 10, Acrylate micro-lens optic, Grey, Philips standard surge protection level, 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			
Lamp family code	LED400 [LED module 40000 lm]	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 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		
		Light source engine type	LED
		Product family code	BGP627 [LUMA 3]
		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	34,000 lm
Standard tilt angle posttop	0°
Standard tilt angle side entry	-
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	139 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
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 Consumption	245 W
Power Factor (Fraction)	0.99
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
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Controls and Dimming

Dimmable	No
Driver/power unit/transformer	Power supply unit (On/Off)
Control interface	Analog
Constant light output	Yes

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	999 mm
Overall width	435 mm
Overall height	235 mm
Overall diameter	76 mm
Effective projected area	0.079 m²
Dimensions (Height x Width x Depth)	235 x 435 x 999 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)

Control gear failure rate at median useful life 100000 h	10 %
Lumen maintenance at median useful life* 100000 h	L100

Application Conditions

Performance ambient temperature Tq	25 °C
Maximum dim level	Not applicable

Product Data

Order product name	BGP627 LED400-4S/740 PSU II DX10 GR CLO
Full product name	BGP627 LED400-4S/740 PSU II DX10 GR CLO
Full product code	871869945994900
Order code	45994900
Material Nr. (12NC)	912300024014
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699459949
Numerator - Packs per outer box	1
EAN/UPC - Case	8718699459949

Dimensional drawing

