



Luma

BGP625 LED340-4S/740 PSU II DX10 GR CLO

LUMA 2 - LED module 34000 lm - 740 neutral white - Power supply unit - Safety class II - Distribution extra wide 10 - Acrylate micro-lens optic - Gray - Philips standard surge protection level - - - Side-entry for diameter 62 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	LED340 [LED module 34000 lm]	Control interface	Analog
Light source color	740 neutral white	Connection	Connection unit 3-pole
Light source replaceable	Yes	Cable	-
Number of gear units	1 unit	Protection class IEC	Safety class II
Driver/power unit/transformer	Power supply unit	Flammability mark	-
Driver included	Yes	CE mark	CE mark
Optical cover/lens type	Acrylate micro-lens optic	ENEC mark	ENEC mark
Luminaire light beam spread	20° - 4° x 150°	Warranty period	5 years
		Optic type outdoor	Distribution extra wide 10

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
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Constant light output	Yes
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Number of products on MCB of 16 A type B	8
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RoHS mark	RoHS mark
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Light source engine type	LED
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Serviceability class	Class A, luminaire is equipped with serviceable parts (when applicable): LED board, driver, control units, surge protection device, optics, front cover and mechanical parts
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Product family code	BGP625 [LUMA 2]
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Light Technical

Upward light output ratio	0
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Standard tilt angle posttop	-
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Standard tilt angle side entry	0°
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Operating and Electrical

Input Voltage	220 to 240 V
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Input Frequency	50 to 60 Hz
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Initial CLO power consumption	205 W
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Average CLO power consumption	210 W
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End CLO power consumption	220 W
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Inrush current	53 A
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Inrush time	0.3 ms
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Power Factor (Min)	0.98
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Controls and Dimming

Dimmable	No
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Mechanical and Housing

Housing Material	Aluminum
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Reflector material	-
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Optic material	Polycarbonate
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Optical cover/lens material	Polycarbonate
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Fixation material	Aluminum
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Mounting device	Side-entry for diameter 62 mm
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Optical cover/lens shape	Flat
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Optical cover/lens finish	Clear
Overall length	876 mm
Overall width	435 mm
Overall height	130 mm
Overall diameter	62 mm
Effective projected area	0.067 m²
Color	Gray

Approval and Application

Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
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Mech. impact protection code	IK09 [10 J]
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Surge Protection (Common/Differential)	Philips standard surge protection level
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Initial Performance (IEC Compliant)

Initial luminous flux (system flux)	28900 lm
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Luminous flux tolerance	+/-7%
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Initial LED luminaire efficacy	138 lm/W
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Init. Corr. Color Temperature	4000 K
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Init. Color Rendering Index	≥70
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Initial chromaticity	(0.382, 0.379) SDCM <5
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Initial input power	210 W
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Power consumption tolerance	+/-11%
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Over Time Performance (IEC Compliant)

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

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

Full product code	871869945991800
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Order product name	BGP625 LED340-4S/740 PSU II DX10 GR CLO
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EAN/UPC - Product	8718699459918
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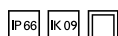
Order code	912300024011
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Numerator - Quantity Per Pack	1
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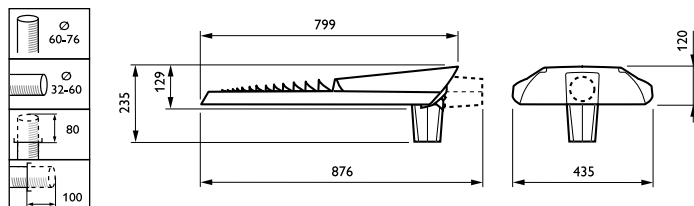
Numerator - Packs per outer box	1
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Material Nr. (12NC)	912300024011
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Net Weight (Piece)	14.725 kg
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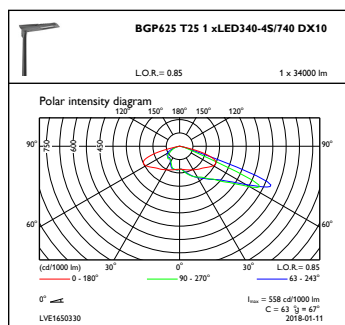
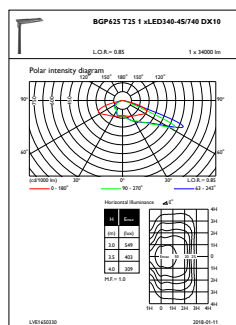


Dimensional drawing



Luma BGP621-627

Photometric data



OFPL1_BGP625T251xLED340-4S740DX10

OFPC1_BGP625T251xLED340-4S740DX10

