



# Luma

## BGP627 200xLED450-4S/518 PSD I DW50 AL G

LUMA 3, 200, LED module 45000 lm, 518 ClearStar WW, Power supply unit with DALI interface, Safety class I, Distribution wide 50, Acrylate micro-lens optic, Grey, 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	LED450 [LED module 45000 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	BGP627 [LUMA 3]
Lighting Technology	LED
CE mark	Yes
Warranty period	5 years
Flammability mark	-
ENEC mark	ENEC mark
EU RoHS compliant	Yes

<b>Light Technical</b>	
Upward light output ratio	0
Luminous Flux	25,650 lm
Standard tilt angle posttop	-
Standard tilt angle side entry	-
Correlated Color Temperature (Nom)	1800 K
Luminous Efficacy (rated) (Nom)	75 lm/W
Color rendering index (CRI)	50
Number of light sources	200
Light source color	518 ClearStar WW
Optical cover type	Acrylate micro-lens optic
Luminaire light beam spread	23° - 8° x 152°
Optic type outdoor	Distribution wide 50

<b>Operating and Electrical</b>	
Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Inrush current	53 A
Inrush time	0.3 ms
Power Consumption	340 W
Power Factor (Fraction)	0.96
Connection	Connection unit 5-pole
Cable	-
Number of products on MCB of 16 A type B 8	

<b>Temperature</b>	
Ambient temperature range	-40 to +50 °C

<b>Controls and Dimming</b>	
Dimmable	No
Driver/power unit/transformer	Power supply unit with DALI interface
Control interface	Analog
Constant light output	No

<b>Mechanical and Housing</b>	
Housing Material	Aluminum
Reflector material	-
Optic material	Polycarbonate
Optical cover material	Polycarbonate
Fixation material	Aluminum

Housing Color	Grey
Mounting device	Side-entry for diameter 62 mm
Optical cover shape	Flat
Optical cover finish	Clear
Overall length	999 mm
Overall width	435 mm
Overall height	235 mm
Overall diameter	62 mm
Effective projected area	0.079 m²
Dimensions (Height x Width x Depth)	235 x 435 x 999 mm

<b>Approval and Application</b>	
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

<b>Initial Performance (IEC Compliant)</b>	
Luminous flux tolerance	+/-7%
Initial chromaticity	(0.382, 0.379) SDCM <5
Power consumption tolerance	+/-10%
Init. Color Rendering Index Tolerance	+/-2

<b>Application Conditions</b>	
Maximum dim level	Not applicable

<b>Product Data</b>	
Order product name	BGP627 200xLED450-4S/518 PSD I DW50 AL G
Full product name	BGP627 200xLED450-4S/518 PSD I DW50 AL G
Full product code	871869986551100
Order code	912300024274
Material Nr. (12NC)	912300024274
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699865511
Numerator - Packs per outer box	1
EAN/UPC - Case	8718699865511

