



UniStreet

BGP203 LED45-4S/740 II DM50 D9 48/60A

UniStreet Small, LED Module 4500 lm, 740 neutral white, Safety class II, Distribution medium, Universal for diameter 48 to 60 mm adjustable

At relatively low initial cost, the highly efficient LED-based UniStreet luminaire offers significant cost savings compared with conventional street lighting, ensuring full payback within a short period of time. Available in a choice of lumen packages, UniStreet allows point-to-point replacement of outdated conventional light sources and luminaires. The compact, slim luminaire is made of quality recyclable materials. And being a LED solution, it requires little maintenance.

Product data

General Information			
Lamp family code	LED45 [LED Module 4500 lm]	Light source engine type	LED
Light source replaceable	Yes	Product family code	BGP203 [UniStreet Small]
Number of gear units	1 unit	Lighting Technology	LED
Driver included	Yes	Embedded control	-
Photocell	-	CE mark	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 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	Warranty period	5 years
		Flammability mark	-
		ENEC mark	ENEC mark
		Glow-wire test	Temperature 650 °C, duration 5 s
		EU RoHS compliant	No
		Light Technical	
		Upward light output ratio	0
		Luminous Flux	3,825 lm
		Standard tilt angle posttop	0°
		Standard tilt angle side entry	0°

Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	129 lm/W
Color rendering index (CRI)	70
Number of light sources	2
Light source color	740 neutral white
Optical cover type	Flat glass
Luminaire light beam spread	154° - 31° x 54°
Optic type outdoor	Distribution medium

Operating and Electrical

Input Voltage	220-240 V
Line Frequency	50 to 60 Hz
Initial CLO power consumption	[DELETE] W
Average CLO power consumption	[DELETE] W
End CLO power consumption	[DELETE] W
Inrush current	46 A
Inrush time	0.25 ms
Power Consumption	29.5 W
Power Factor (Fraction)	0.9
Connection	Screw connection block 3-pole
Cable	-
Number of products on MCB of 16 A type B	11

Temperature

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

Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DALI interface
Control interface	DALI
Constant light output	No

Mechanical and Housing

Housing Material	Aluminum die cast
Reflector material	Polycarbonate
Optic material	Polycarbonate
Optical cover material	Tempered glass
Fixation material	Aluminum
Housing Color	Grey
Mounting device	Universal for diameter 48 to 60 mm adjustable

Optical cover shape	Flat
Optical cover finish	Clear
Overall length	630 mm
Overall width	270 mm
Overall height	98 mm
Effective projected area	0.038 m²
Dimensions (Height x Width x Depth)	98 x 270 x 630 mm

Approval and Application

Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK08 [5 J vandal-protected]
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	(0.381, 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	L91

Application Conditions

Performance ambient temperature Tq	25 °C
Maximum dim level	0% (digital)

Product Data

Order product name	BGP203 LED45-4S/740 II DM50 D9 48/60A
Full product name	BGP203 LED45-4S/740 II DM50 D9 48/60A
Full product code	871869634905200
Order code	34905200
Material Nr. (12NC)	910925863495
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696349052
Numerator - Packs per outer box	1
EAN/UPC - Case	8718696349052

Dimensional drawing

