UniStreet

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

UniStreet Small, LED Module 4500 lm, 740 neutral white, Safety class I, 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 Available in a choice of lumen packages, UniStreet allows point-to-point replacement of outdated conventional light sources and luminaires.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 replaceable	Yes
Number of gear units	1 unit
Driver included	Yes
Photocell	-
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

Light source engine type	LED
Product family code	BGP203 [UniStreet Small]
Lighting Technology	LED
Embedded control	-
CE mark	Yes
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°

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Correlated Color Temperature (Nom)	4000 K		Optical cover shape	Flat
Luminous Efficacy (rated) (Nom)	129 lm/W		Optical cover finish	Clear
Color rendering index (CRI)	70		Overall length	630 mm
Number of light sources	2		Overall width	270 mm
Light source color	740 neutral white		Overall height	98 mm
Optical cover type	Flat glass		Effective projected area	0.038 m²
Luminaire light beam spread	154° – 31° x 54°		Dimensions (Height x Width x Depth)	98 x 270 x 630 mm
Optic type outdoor	Distribution medium			

Operating and Electrical

Approval and Application

Input Voltage	220-240 V		Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Line Frequency	50 to 60 Hz		Mech. impact protection code	IK08 [5 J vandal-protected]
Initial CLO power consumption	[DELETE] W		Surge Protection (Common/Differential)	Philips standard surge protection level
Average CLO power consumption	[DELETE] W		Protection class IEC	Safety class I
End CLO power consumption	[DELETE] W			
Inrush current	46 A			

Initial Performance (IEC Compliant)

Inrush time	0.25 ms		Luminous flux tolerance	+/-7%
Power Consumption	29.5 W		Initial chromaticity	(0.381, 0.379) SDCM <5
Power Factor (Fraction)	0.9		Power consumption tolerance	+/-10%
Connection	Screw connection block 3-pole		Init. Color Rendering Index Tolerance	+/-2
Cable	–			
Number of products on MCB of 16 A type B	11			

Over Time Performance (IEC Compliant)

			Control gear failure rate at median useful life 100000 h	10 %

Temperature

Ambient temperature range	–40 to +50 °C		Lumen maintenance at median useful life* 100000 h	L91

Controls and Dimming

Application Conditions

Dimmable	Yes		Performance ambient temperature Tq	25 °C
Driver/power unit/transformer	Power supply unit with DALI interface		Maximum dim level	0% (digital)
Control interface	DALI			
Constant light output	No			

Product Data

Mechanical and Housing

Housing Material	Aluminum die cast		Order product name	BGP203 LED45-4S/740 I DM50 D9 48/60A
Reflector material	Polycarbonate		Full product name	BGP203 LED45-4S/740 I DM50 D9 48/60A
Optic material	Polycarbonate		Full product code	871869634904500
Optical cover material	Tempered glass		Order code	34904500
Fixation material	Aluminum		Material Nr. (12NC)	910925863494
Housing Color	Grey		Numerator – Quantity Per Pack	1
Mounting device	Universal for diameter 48 to 60 mm adjustable		EAN/UPC – Product/Case	8718696349045
			Numerator – Packs per outer box	1
			EAN/UPC – Case	8718696349045

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Dimensional drawing

www.lighting.philips.com

2023, April 29 – data subject to change