

UniStreet

BGP243 LED90-4S/740 I DM50 D9 48/60A

UniStreet Medium, LED module 9000 lm, 740 neutral white, Safety class I, Distribution medium 50, Flat glass, Side-entry for diameter 48 to 60 mm

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 Available in a choice of lumen packages, UniStreet allows point-to-point replacement of outdated conventional light sources and luminaires.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. Core version design for high-volume projects at relatively low initial budget. Offer limited range of optics. Performer version design for customers who are preparing big renovation projects, TCO oriented

Product data

General Information	
Lamp family code	LED90 [LED module 9000 lm]
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 B10. Therefore, the median useful life (B50) value also represents the B10 value.
Light source engine type	LED

Product family code	BGP243 [UniStreet Medium]
Lighting Technology	LED
Flammability mark	For mounting on normally flammable surfaces
CE mark	Yes
ENEC mark	ENEC mark
Warranty period	5 years
EU RoHS compliant	Yes

Light Technical	
Upward light output ratio	0
Luminous Flux	7,830 lm
Standard tilt angle posttop	0°

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Standard tilt angle side entry	0°
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	145 lm/W
Color rendering index (CRI)	70
Light source color	740 neutral white
Optical cover type	Flat glass
Luminaire light beam spread	53° x 71°
Optic type outdoor	Distribution medium 50

Operating and Electrical

Input Voltage	230 V
Line Frequency	50 to 60 Hz
Inrush current	46 A
Inrush time	0.25 ms
Power Consumption	54 W
Power Factor (Fraction)	0.97
Connection	Connection unit 5-pole
Cable	-
Number of products on MCB of 16 A type B	11

Temperature

Ambient temperature range	-40 to +50 °C

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	Polycarbonate
Fixation material	Aluminum
Housing Color	Grey
Mounting device	Side-entry for diameter 48 to 60 mm
Optical cover shape	Curved
Optical cover finish	Clear

Overall length	580 mm
Overall width	353 mm
Overall height	98 mm
Effective projected area	0.42 m²
Dimensions (Height x Width x Depth)	98 x 353 x 580 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 I

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-7%
Initial chromaticity	(0.38, 0.38) 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	L94

Application Conditions

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

Product Data

Order product name	BGP243 LED90-4S/740 I DM50 D9 48/60A
Full product name	BGP243 LED90-4S/740 I DM50 D9 48/60A
Full product code	871869698839800
Order code	910925864889
Material Nr. (12NC)	910925864889
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696988398
Numerator - Packs per outer box	1
EAN/UPC - Case	8718696988398

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Dimensional drawing

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