



UniStreet

BGS204 LED100/740 I DM CLO D9 P1 48/60A

UniStreet Large, LED module 10000 lm, Distribution medium, Constant light output, NEMA socket for photocell, 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 Available in a choice of lumen packages, UniStreet allows point-to-point replacement of outdated conventional light sources and luminaires.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. 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	LED100 [LED module 10000 lm]	Light source engine type	LED
Light source replaceable	Yes	Product family code	BGS204 [UniStreet Large]
Number of gear units	1 unit	Lighting Technology	LED
Driver included	Yes	Glow-wire test	Temperature 650 °C, duration 5 s
Photocell	NEMA socket for photocell	Flammability mark	-
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.	CE mark	Yes
		ENEC mark	ENEC mark
		Warranty period	5 years
		EU RoHS compliant	No
		Embedded control	Constant light output
		Light Technical	
		Upward light output ratio	0

Luminous Flux	7,574 lm
Standard tilt angle posttop	0°
Standard tilt angle side entry	0°
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	102 lm/W
Color rendering index (CRI)	70
Number of light sources	5
Light source color	740 neutral white
Optical cover type	Flat glass
Luminaire light beam spread	154°
Optic type outdoor	Distribution medium

Operating and Electrical

Input Voltage	220–240 V
Line Frequency	50 to 60 Hz
Initial CLO power consumption	66.4 W
Average CLO power consumption	74.7 W
End CLO power consumption	83 W
Inrush current	53 A
Inrush time	0.3 ms
Power Consumption	83 W
Power Factor (Fraction)	0.95
Connection	Screw connection block 3-pole
Cable	-
Number of products on MCB of 16 A type B	8

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 and constant light output
Control interface	DALI
Constant light output	Yes

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	755 mm
Overall width	355 mm
Overall height	98 mm
Effective projected area	0.04 m²
Dimensions (Height x Width x Depth)	98 x 355 x 755 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	(0.380, 0.380) 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	L100

Application Conditions

Performance ambient temperature Tq	25 °C
Maximum dim level	10%

Product Data

Order product name	BGS204 LED100/740 I DM CLO D9 P1 48/60A
Full product name	BGS204 LED100/740 I DM CLO D9 P1 48/60A
Full product code	871869630189000
Order code	910925452364
Material Nr. (12NC)	910925452364
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696301890
Numerator - Packs per outer box	1
EAN/UPC - Case	8718696301890

Dimensional drawing

