UniStreet

BGS204 LED80/740 I DM CLO D9 P1 48/60A

UniStreet Large, LED module 8000 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 Available in a choice of lumen packages, UniStreet allows point-to-point replacement of outdated conventional light sources and luminaires.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	LED80 [LED module 8000 lm]
Light source replaceable	Yes
Number of gear units	1 unit
Driver included	Yes
Photocell	NEMA socket for 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.

Light source engine type	LED
Product family code	BGS204 [UniStreet Large]
Lighting Technology	LED
Glow-wire test	Temperature 650 °C, duration 5 s
Flammability mark	-
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

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Luminous Flux	5,849 lm		**Mounting device**	Universal for diameter 48 to 60 mm adjustable
Standard tilt angle posttop	0°		**Optical cover shape**	Flat
Standard tilt angle side entry	0°		**Optical cover finish**	Clear
Correlated Color Temperature (Nom)	4000 K		**Overall length**	755 mm
Luminous Efficacy (rated) (Nom)	105 lm/W		**Overall width**	355 mm
Color rendering index (CRI)	70		**Overall height**	98 mm
Number of light sources	4		**Effective projected area**	0.04 m²
Light source color	740 neutral white		**Dimensions (Height x Width x Depth)**	98 x 355 x 755 mm
Optical cover type	Flat glass			
Luminaire light beam spread	154°		**Approval and Application**	
Optic type outdoor	Distribution medium		**Ingress protection code**	IP66 [Dust penetration-protected, jet-proof]
			Mech. impact protection code	IK08 [5 J vandal-protected]
Operating and Electrical			**Surge Protection (Common/Differential)**	Philips standard surge protection level
Input Voltage	220-240 V		**Protection class IEC**	Safety class I
Line Frequency	50 to 60 Hz			
Initial CLO power consumption	56 W		**Initial Performance (IEC Compliant)**	
Average CLO power consumption	63 W		**Luminous flux tolerance**	+/-7%
End CLO power consumption	70 W		**Initial chromaticity**	(0.380, 0.380) SDCM <5
Inrush current	46 A		**Power consumption tolerance**	+/-10%
Inrush time	0.25 ms		**Init. Color Rendering Index Tolerance**	+/-2
Power Consumption	70 W			
Power Factor (Fraction)	0.95		**Over Time Performance (IEC Compliant)**	
Connection	Screw connection block 3-pole		**Control gear failure rate at median useful life 100000 h**	10 %
Cable	-			
Number of products on MCB of 16 A type B	11		**Lumen maintenance at median useful life* 100000 h**	L100
Temperature			**Application Conditions**	
Ambient temperature range	-40 to +50 °C		**Performance ambient temperature Tq**	25 °C
			Maximum dim level	10%
Controls and Dimming				
Dimmable	Yes		**Product Data**	
Driver/power unit/transformer	Power supply unit with DALI interface and constant light output		**Order product name**	BGS204 LED80/740 I DM CLO D9 P1 48/60A
Control interface	DALI		**Full product name**	BGS204 LED80/740 I DM CLO D9 P1 48/60A
Constant light output	Yes		**Full product code**	871869630188300
			Order code	910925452370
Mechanical and Housing			**Material Nr. (12NC)**	910925452370
Housing Material	Aluminum die cast		**Numerator – Quantity Per Pack**	1
Reflector material	Polycarbonate		**EAN/UPC – Product/Case**	8718696301883
Optic material	Polycarbonate		**Numerator – Packs per outer box**	1
Optical cover material	Tempered glass		**EAN/UPC – Case**	8718696301883
Fixation material	Aluminum			
Housing Color	Grey			

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Dimensional drawing

www.lighting.philips.com

2023, September 4 – data subject to change