UniStreet

BGS203 LED20/740 II DM 48/60A

UniStreet Small, LED Module 2000 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 Available in a choice of lumen packages, UniStreet allows point-to-point replacement of outdated conventional light sources and luminaires.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. 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	LED20 [LED Module 2000 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	BGS203 [UniStreet Small]
Lighting Technology	LED
Glow-wire test	Temperature 650 ℃, duration 5 s
Flammability mark	–
CE mark	Yes
ENEC mark	ENEC mark
Warranty period	5 years
EU RoHS compliant	No

data subject to change

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Embedded control	–

Light Technical

Upward light output ratio	0
Luminous Flux	1,774 lm
Standard tilt angle posttop	0°
Standard tilt angle side entry	0°
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	100 lm/W
Color rendering index (CRI)	70
Number of light sources	1
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	[DELETE] W
Average CLO power consumption	[DELETE] W
End CLO power consumption	[DELETE] W
Inrush current	15 A
Inrush time	0.36 ms
Power Consumption	17.2 W
Power Factor (Fraction)	0.95
Connection	Screw connection block 3-pole
Cable	–
Number of products on MCB of 16 A type B	23

Temperature

Ambient temperature range	–40 to +50 °C

Controls and Dimming

Dimmable	No
Driver/power unit/transformer	Power supply unit (On/Off)
Control interface	–
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	(0.380, 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	L91

Application Conditions

Performance ambient temperature Tq	25 °C

Product Data

Order product name	BGS203 LED20/740 II DM 48/60A
Full product name	BGS203 LED20/740 II DM 48/60A
Full product code	871869630124100
Order code	910925452345
Material Nr. (12NC)	910925452345
Numerator – Quantity Per Pack	1
EAN/UPC – Product/Case	8718696301241
Numerator – Packs per outer box	1
EAN/UPC – Case	8718696301241

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Dimensional drawing

www.lighting.philips.com

2023, September 4 – data subject to change