



# **UniStreet**

## BGS203 LED40/740 I DM CLO D9 48/60A

UniStreet Small, LED module 4000 lm, Distribution medium, Constant light output, 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 Available in a choice of lumen packages, UniStreet allows point-to-point replacement of outdated conventional light sources and luminaires.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	LED40 [LED module 4000 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. $^{\ast}$ 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 °C, duration 5 s  Flammability mark  -  CE mark  Yes  ENEC mark  ENEC mark  Warranty period  5 years  EU RoHS compliant  No		
Light source engine type LED  Product family code BGS203 [UniStreet Small] Lighting Technology LED  Glow-wire test Temperature 650 °C, duration 5 s  Flammability mark - CE mark Yes  ENEC mark ENEC mark ENEC mark Syears		extreme ambient temperatures the luminaire
Light source engine type  Product family code  BGS203 [UniStreet Small]  Lighting Technology  LED  Glow-wire test  Temperature 650 °C, duration 5 s  Flammability mark  -  CE mark  Yes  ENEC mark  ENEC mark  ENEC mark  S years		might automatically dim down to protect
Product family code BGS203 [UniStreet Small]  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		components
Lighting Technology  Glow-wire test  Flammability mark  CE mark  Yes  ENEC mark  ENEC mark  ENEC mark  S years	Light source engine type	LED
Glow-wire test Temperature 650 °C, duration 5 s  Flammability mark - CE mark Yes  ENEC mark ENEC mark Warranty period 5 years	Product family code	BGS203 [UniStreet Small]
Flammability mark - CE mark Yes ENEC mark ENEC mark Warranty period 5 years	Lighting Technology	LED
Yes ENEC mark ENEC mark ENEC mark  Warranty period 5 years	Glow-wire test	Temperature 650 °C, duration 5 s
ENEC mark ENEC mark Warranty period 5 years	Flammability mark	-
Warranty period 5 years	CE mark	Yes
	ENEC mark	ENEC mark
EU RoHS compliant No	Warranty period	5 years
	EU RoHS compliant	No

Datasheet, 2023, September 4 data subject to change

### UniStreet

Embedded control	Constant light output	Fixation material	Aluminum
		Housing Color	Grey
Light Technical		Mounting device	Universal for diameter 48 to 60 mm
Upward light output ratio	0		adjustable
Luminous Flux	2,823 lm	Optical cover shape	Flat
Standard tilt angle posttop	0°	Optical cover finish	Clear
Standard tilt angle side entry	0°	Overall length	630 mm
Correlated Color Temperature (Nom)	4000 K	Overall width	270 mm
Luminous Efficacy (rated) (Nom)	107 lm/W	Overall height	98 mm
Color rendering index (CRI)	70	Effective projected area	0.038 m²
Number of light sources	2	Dimensions (Height x Width x Depth)	98 x 270 x 630 mm
Light source color	740 neutral white		
Optical cover type	Flat glass	Approval and Application	
Luminaire light beam spread	154°	Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Optic type outdoor	Distribution medium	Mech. impact protection code	IK08 [5 J vandal-protected]
		Surge Protection (Common/Differential)	Philips standard surge protection level
Operating and Electrical		Protection class IEC	Safety class I
Input Voltage	220-240 V		
Line Frequency	50 to 60 Hz	Initial Performance (IEC Compliant	)
Initial CLO power consumption	25.2 W	Luminous flux tolerance	+/-7%
Average CLO power consumption	28.35 W	Initial chromaticity	(0.380, 0.380) SDCM <5
End CLO power consumption	31.5 W	Power consumption tolerance	+/-10%
Inrush current	22 A	Init. Color Rendering Index Tolerance	+/-2
Inrush time	0.29 ms		
Inrush time Power Consumption	0.29 ms 31.5 W	Over Time Performance (IEC Comp	liant)
		Over Time Performance (IEC Comp Control gear failure rate at median usefu	
Power Consumption	31.5 W	·	
Power Consumption  Power Factor (Fraction)	31.5 W 0.95	Control gear failure rate at median usefu	
Power Consumption  Power Factor (Fraction)  Connection	31.5 W 0.95 Screw connection block 3-pole -	Control gear failure rate at median usefulife 100000 h	L 10 %
Power Consumption  Power Factor (Fraction)  Connection  Cable	31.5 W 0.95 Screw connection block 3-pole -	Control gear failure rate at median useful life 100000 h  Lumen maintenance at median useful	L 10 %
Power Consumption  Power Factor (Fraction)  Connection  Cable  Number of products on MCB of 16 A type	31.5 W 0.95 Screw connection block 3-pole -	Control gear failure rate at median useful life 100000 h  Lumen maintenance at median useful	L 10 %
Power Consumption  Power Factor (Fraction)  Connection  Cable  Number of products on MCB of 16 A type	31.5 W 0.95 Screw connection block 3-pole -	Control gear failure rate at median usefulife 100000 h  Lumen maintenance at median usefullife* 100000 h	L 10 %
Power Consumption Power Factor (Fraction) Connection Cable Number of products on MCB of 16 A type B	31.5 W 0.95 Screw connection block 3-pole -	Control gear failure rate at median usefulife 100000 h  Lumen maintenance at median usefullife* 100000 h  Application Conditions	L 10 %
Power Consumption  Power Factor (Fraction)  Connection  Cable  Number of products on MCB of 16 A type B  Temperature	31.5 W 0.95 Screw connection block 3-pole - 20	Control gear failure rate at median useful life 100000 h  Lumen maintenance at median useful life* 100000 h  Application Conditions  Performance ambient temperature Tq	L 10 %  L100  25 °C
Power Consumption  Power Factor (Fraction)  Connection  Cable  Number of products on MCB of 16 A type B  Temperature	31.5 W 0.95 Screw connection block 3-pole - 20	Control gear failure rate at median useful life 100000 h  Lumen maintenance at median useful life* 100000 h  Application Conditions  Performance ambient temperature Tq	L 10 %  L100  25 °C
Power Consumption Power Factor (Fraction) Connection Cable Number of products on MCB of 16 A type B  Temperature Ambient temperature range	31.5 W 0.95 Screw connection block 3-pole - 20	Control gear failure rate at median useful life 100000 h  Lumen maintenance at median useful life* 100000 h  Application Conditions  Performance ambient temperature Tq  Maximum dim level	L 10 %  L100  25 °C
Power Consumption Power Factor (Fraction) Connection Cable Number of products on MCB of 16 A type B  Temperature Ambient temperature range  Controls and Dimming	31.5 W 0.95 Screw connection block 3-pole - a 20  -40 to +50 °C	Control gear failure rate at median useful life 100000 h  Lumen maintenance at median useful life* 100000 h  Application Conditions  Performance ambient temperature Tq  Maximum dim level  Product Data	L100  L100  25 °C  10%
Power Consumption Power Factor (Fraction) Connection Cable Number of products on MCB of 16 A type B  Temperature Ambient temperature range  Controls and Dimming Dimmable	31.5 W 0.95 Screw connection block 3-pole - a 20  -40 to +50 °C	Control gear failure rate at median useful life 100000 h  Lumen maintenance at median useful life* 100000 h  Application Conditions  Performance ambient temperature Tq  Maximum dim level  Product Data  Order product name	L 100
Power Consumption Power Factor (Fraction) Connection Cable Number of products on MCB of 16 A type B  Temperature Ambient temperature range  Controls and Dimming Dimmable	31.5 W 0.95 Screw connection block 3-pole - 2 20  -40 to +50 °C  Yes Power supply unit with DALI interface and	Control gear failure rate at median useful life 100000 h  Lumen maintenance at median useful life* 100000 h  Application Conditions  Performance ambient temperature Tq  Maximum dim level  Product Data  Order product name  Full product name	L 10 %  L100  25 °C  10%  BGS203 LED40/740   DM CLO D9 48/60A  BGS203 LED40/740   DM CLO D9 48/60A
Power Consumption Power Factor (Fraction) Connection Cable Number of products on MCB of 16 A type B  Temperature Ambient temperature range  Controls and Dimming Dimmable Driver/power unit/transformer	31.5 W 0.95 Screw connection block 3-pole  - 2 20  -40 to +50 °C  Yes Power supply unit with DALI interface and constant light output	Control gear failure rate at median useful life 100000 h  Lumen maintenance at median useful life* 100000 h  Application Conditions  Performance ambient temperature Tq  Maximum dim level  Product Data  Order product name  Full product name  Full product code	L 10 %  L100  25 °C  10%  BGS203 LED40/740   DM CLO D9 48/60A  BGS203 LED40/740   DM CLO D9 48/60A  871869630176000
Power Consumption Power Factor (Fraction) Connection Cable Number of products on MCB of 16 A type B  Temperature Ambient temperature range  Controls and Dimming Dimmable Driver/power unit/transformer  Control interface	31.5 W 0.95 Screw connection block 3-pole - 20  -40 to +50 °C  Yes Power supply unit with DALI interface and constant light output DALI	Control gear failure rate at median useful life 100000 h  Lumen maintenance at median useful life* 100000 h  Application Conditions  Performance ambient temperature Tq  Maximum dim level  Product Data  Order product name  Full product name  Full product code  Order code	L 100  L100  25 °C  10%  BGS203 LED40/740   DM CLO D9 48/60A  BGS203 LED40/740   DM CLO D9 48/60A  871869630176000  910925452352
Power Consumption Power Factor (Fraction) Connection Cable Number of products on MCB of 16 A type B  Temperature Ambient temperature range  Controls and Dimming Dimmable Driver/power unit/transformer  Control interface	31.5 W 0.95 Screw connection block 3-pole - 20  -40 to +50 °C  Yes Power supply unit with DALI interface and constant light output DALI	Control gear failure rate at median useful life 100000 h  Lumen maintenance at median useful life* 100000 h  Application Conditions  Performance ambient temperature Tq  Maximum dim level  Product Data  Order product name  Full product name  Full product code  Order code  Material Nr. (12NC)	L 100  25 °C  10%  BGS203 LED40/740   DM CLO D9 48/60A  BGS203 LED40/740   DM CLO D9 48/60A  871869630176000  910925452352  910925452352
Power Consumption Power Factor (Fraction) Connection Cable Number of products on MCB of 16 A type B  Temperature Ambient temperature range  Controls and Dimming Dimmable Driver/power unit/transformer  Control interface Constant light output	31.5 W 0.95 Screw connection block 3-pole - 20  -40 to +50 °C  Yes Power supply unit with DALI interface and constant light output DALI	Control gear failure rate at median useful life 100000 h  Lumen maintenance at median useful life* 100000 h  Application Conditions  Performance ambient temperature Tq  Maximum dim level  Product Data  Order product name  Full product name  Full product code  Order code  Material Nr. (12NC)  Numerator - Quantity Per Pack	L 100 %  L100  25 °C  10%  BGS203 LED40/740   DM CLO D9 48/60A  BGS203 LED40/740   DM CLO D9 48/60A  871869630176000  910925452352  910925452352  1
Power Consumption Power Factor (Fraction)  Connection  Cable  Number of products on MCB of 16 A type B  Temperature  Ambient temperature range  Controls and Dimming  Dimmable  Driver/power unit/transformer  Control interface  Constant light output  Mechanical and Housing	31.5 W  0.95  Screw connection block 3-pole  - 20  -40 to +50 °C  Yes  Power supply unit with DALI interface and constant light output  DALI  Yes	Control gear failure rate at median useful life 100000 h  Lumen maintenance at median useful life* 100000 h  Application Conditions  Performance ambient temperature Tq  Maximum dim level  Product Data  Order product name  Full product name  Full product code  Order code  Material Nr. (12NC)  Numerator - Quantity Per Pack  EAN/UPC - Product/Case	L 10 %  L100  25 °C  10%  BGS203 LED40/740   DM CLO D9 48/60A  BGS203 LED40/740   DM CLO D9 48/60A  871869630176000  910925452352  910925452352  1  8718696301760
Power Consumption Power Factor (Fraction) Connection Cable Number of products on MCB of 16 A type B  Temperature Ambient temperature range  Controls and Dimming Dimmable Driver/power unit/transformer  Control interface Constant light output  Mechanical and Housing Housing Material	31.5 W 0.95 Screw connection block 3-pole - 2 20  -40 to +50 °C  Yes Power supply unit with DALI interface and constant light output DALI Yes  Aluminum die cast	Control gear failure rate at median useful life 100000 h  Lumen maintenance at median useful life* 100000 h  Application Conditions  Performance ambient temperature Tq  Maximum dim level  Product Data  Order product name  Full product name  Full product code  Order code  Material Nr. (12NC)  Numerator - Quantity Per Pack  EAN/UPC - Product/Case  Numerator - Packs per outer box	L 10 %  L100  25 °C  10%  BGS203 LED40/740 I DM CLO D9 48/60A  BGS203 LED40/740 I DM CLO D9 48/60A  871869630176000  910925452352  910925452352  1  8718696301760  1
Power Consumption Power Factor (Fraction) Connection Cable Number of products on MCB of 16 A type B  Temperature Ambient temperature range  Controls and Dimming Dimmable Driver/power unit/transformer  Control interface Constant light output  Mechanical and Housing Housing Material Reflector material	31.5 W 0.95 Screw connection block 3-pole - a 20  -40 to +50 °C  Yes Power supply unit with DALI interface and constant light output DALI Yes  Aluminum die cast Polycarbonate	Control gear failure rate at median useful life 100000 h  Lumen maintenance at median useful life* 100000 h  Application Conditions  Performance ambient temperature Tq  Maximum dim level  Product Data  Order product name  Full product name  Full product code  Order code  Material Nr. (12NC)  Numerator - Quantity Per Pack  EAN/UPC - Product/Case  Numerator - Packs per outer box	L 10 %  L100  25 °C  10%  BGS203 LED40/740 I DM CLO D9 48/60A  BGS203 LED40/740 I DM CLO D9 48/60A  871869630176000  910925452352  910925452352  1  8718696301760  1

### **UniStreet**

#### Dimensional drawing







