



LumiStreet

BGP213 ECO16/740 II DW CLO FQQ-2X1.5 48/

LumiStreet Small, LED EconomyLine 1600 lm, 740 neutral white, Safety class II, Distribution wide, Constant light output, Cable 10 m without plug, Universal for diameter 48 to 60 mm adjustable

Many local authorities today have an outdated public lighting installation that urgently needs to be replaced, yet have only a limited budget available. We have the answer to their needs. With its compact design and modern LED architecture, LumiStreet is a versatile, cost-effective luminaire that fulfils basic functional road lighting requirements. It is made of high-quality components that ensure long lifetime and low maintenance cost. The result? A road lighting luminaire that provides effective illumination while at the same time cutting energy and maintenance bills. Core version design for high-volume projects at relatively low initial budget. Offer limited range of optics. Performer version design for customer who are preparing big renovation projects, TCO oriented.

Product data

General Information		
Lamp family code	ECO16 [LED EconomyLine 1600 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		BGP213 [LumiStreet Small]
Lighting Technology		LED
Glow-wire test		Temperature 850 °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
Luminous Flux	1,344 lm
Standard tilt angle posttop	0°
Standard tilt angle side entry	0°
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	122 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 wide

Operating and Electrical

Input Voltage	220–240 V
Line Frequency	50 to 60 Hz
Initial CLO power consumption	11.2 W
Average CLO power consumption	12.6 W
End CLO power consumption	14 W
Inrush current	15 A
Inrush time	360 ms
Power Consumption	14 W
Power Factor (Fraction)	0.95
Connection	Screw connection block 3-pole
Cable	Cable 10 m without plug
Number of products on MCB of 16 A type B	23

Temperature

Ambient temperature range	–40 to +50 °C
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Controls and Dimming

Dimmable	No
Driver/power unit/transformer	Power supply unit (On/Off)
Control interface	–
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	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	L100

Application Conditions

Performance ambient temperature Tq	25 °C
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Product Data

Order product name	BGP213 ECO16/740 II DW CLO FQQ-2X1.5 48/
Full product name	BGP213 ECO16/740 II DW CLO FQQ-2X1.5 48/
Full product code	871869632006800
Order code	910925452277
Material Nr. (12NC)	910925452277
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696320068
Numerator - Packs per outer box	1
EAN/UPC - Case	8718696320068

Dimensional drawing

