



LumiStreet

BGP214 ECO81/740 II DM CLO-DDF2 D18 FQQ-

LumiStreet Large, LED EconomyLine 8100 lm, 740 neutral white, Safety class II, Distribution medium, Constant light output and DynaDimmer fixed presets version 2, 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Many local authorities today have an outdated public lighting installation that urgently needs to be replaced, yet have only a limited budget available.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	ECO81 [LED EconomyLine 8100 lm]	B10. Therefore, the median useful life (B50) value also represents the B10 value.	
Light source replaceable	Yes	Light source engine type	LED
Number of gear units	1 unit	Product family code	BGP214 [LumiStreet Large]
Driver included	Yes	Lighting Technology	LED
Photocell	-	Glow-wire test	Temperature 850 °C, duration 5 s
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	Flammability mark	-
		CE mark	Yes
		ENEC mark	ENEC mark
		Warranty period	5 years
		EU RoHS compliant	No

Embedded control	Constant light output and DynaDimmer fixed presets version 2
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Light Technical

Upward light output ratio	0
Luminous Flux	5,645 lm
Standard tilt angle posttop	0°
Standard tilt angle side entry	0°
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	115 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	52 W
Average CLO power consumption	58.5 W
End CLO power consumption	65 W
Inrush current	46 A
Inrush time	0.25 ms
Power Consumption	65 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	11

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 DynaDimmer and constant light output (integrated)
Control interface	Internal (no external connection)
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 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
Maximum dim level	Programmable

Product Data

Order product name	BGP214 ECO81/740 II DM CLO-DDF2 D18 FQQ-
Full product name	BGP214 ECO81/740 II DM CLO-DDF2 D18 FQQ-
Full product code	871869632037200
Order code	910925452330
Material Nr. (12NC)	910925452330
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696320372
Numerator - Packs per outer box	1
EAN/UPC - Case	8718696320372

Dimensional drawing

