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BGP214 ECO81/740 II DM CLO-DDF1 D18 FQQ-

LumiStreet Large, LED EconomyLine 8100 lm, 740 neutral white, Safety class II, Distribution medium, Constant light output and DynaDimmer fixed presets version 1, 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Many local authorities today have an outdated public lighting installation that urgently needs to be replaced, yet have only a limited budget available.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]
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.
Light source engine type	LED
Product family code	BGP214 [LumiStreet Large]
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

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Embedded control	Constant light output and DynaDimmer fixed presets version 1		**Housing Color**	Grey
			Mounting device	Universal for diameter 48 to 60 mm adjustable
Light Technical			**Optical cover shape**	Flat
Upward light output ratio	0		**Optical cover finish**	Clear
Luminous Flux	5,645 lm		**Overall length**	755 mm
Standard tilt angle posttop	0°		**Overall width**	355 mm
Standard tilt angle side entry	0°		**Overall height**	98 mm
Correlated Color Temperature (Nom)	4000 K		**Effective projected area**	0.04 m²
Luminous Efficacy (rated) (Nom)	115 lm/W		**Dimensions (Height x Width x Depth)**	98 x 355 x 755 mm
Color rendering index (CRI)	70			
Number of light sources	5		**Approval and Application**	
Light source color	740 neutral white		**Ingress protection code**	IP66 [Dust penetration-protected, jet-proof]
Optical cover type	Flat glass		**Mech. impact protection code**	IK08 [5 J vandal-protected]
Luminaire light beam spread	154°		**Surge Protection (Common/Differential)**	Philips standard surge protection level
Optic type outdoor	Distribution medium		**Protection class IEC**	Safety class II

Operating and Electrical			**Initial Performance (IEC Compliant)**	
Input Voltage	220-240 V		**Luminous flux tolerance**	+/-7%
Line Frequency	50 to 60 Hz		**Initial chromaticity**	(0.380, 0.380) SDCM <5
Initial CLO power consumption	52 W		**Power consumption tolerance**	+/-10%
Average CLO power consumption	58.5 W		**Init. Color Rendering Index Tolerance**	+/-2
End CLO power consumption	65 W			
Inrush current	46 A		**Over Time Performance (IEC Compliant)**	
Inrush time	0.25 ms		**Control gear failure rate at median useful life 100000 h**	10 %
Power Consumption	65 W			
Power Factor (Fraction)	0.95		**Lumen maintenance at median useful life* 100000 h**	L100
Connection	Screw connection block 3-pole			
Cable	Cable 10 m without plug			
Number of products on MCB of 16 A type B	11		**Application Conditions**	
			Performance ambient temperature Tq	25 ℃
Temperature			**Maximum dim level**	Programmable
Ambient temperature range	-40 to +50 ℃			
			Product Data	
Controls and Dimming			**Order product name**	BGP214 ECO81/740 II DM CLO-DDF1 D18 FQQ-
Dimmable	Yes			
Driver/power unit/transformer	Power supply unit with DynaDimmer and constant light output (integrated)		**Full product name**	BGP214 ECO81/740 II DM CLO-DDF1 D18 FQQ-
Control interface	Internal (no external connection)		**Full product code**	871869632033400
Constant light output	Yes		**Order code**	910925452329
			Material Nr. (12NC)	910925452329
Mechanical and Housing			**Numerator - Quantity Per Pack**	1
Housing Material	Aluminum die cast		**EAN/UPC - Product/Case**	8718696320334
Reflector material	Polycarbonate		**Numerator - Packs per outer box**	1
Optic material	Polycarbonate		**EAN/UPC - Case**	8718696320334
Optical cover material	Tempered glass			
Fixation material	Aluminum			

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Dimensional drawing

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2023, September 4 – data subject to change