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BGP213 ECO16/740 II DW CLO-DDF2 D18 FQQ-

LumiStreet Small, LED EconomyLine 1600 lm, 740 neutral white, Safety class II, Distribution wide, 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Many local authorities today have an outdated public lighting installation that urgently needs to be replaced, yet have only a limited budget available.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	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

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ENEC mark	ENEC mark		**Optical cover material**	Tempered glass
Warranty period	5 years		**Fixation material**	Aluminum
EU RoHS compliant	No		**Housing Color**	Grey
Embedded control	Constant light output and DynaDimmer fixed presets version 2		**Mounting device**	Universal for diameter 48 to 60 mm adjustable
			Optical cover shape	Flat
			Optical cover finish	Clear
Light Technical			**Overall length**	630 mm
Upward light output ratio	0		**Overall width**	270 mm
Luminous Flux	1,344 lm		**Overall height**	98 mm
Standard tilt angle posttop	0°		**Effective projected area**	0.038 m²
Standard tilt angle side entry	0°		**Dimensions (Height x Width x Depth)**	98 x 270 x 630 mm
Correlated Color Temperature (Nom)	4000 K			
Luminous Efficacy (rated) (Nom)	122 lm/W		**Approval and Application**	
Color rendering index (CRI)	70		**Ingress protection code**	IP66 [Dust penetration-protected, jet-proof]
Number of light sources	1		**Mech. impact protection code**	IK08 [5 J vandal-protected]
Light source color	740 neutral white		**Surge Protection (Common/Differential)**	Philips standard surge protection level
Optical cover type	Flat glass		**Protection class IEC**	Safety class II
Luminaire light beam spread	154°			
Optic type outdoor	Distribution wide		**Initial Performance (IEC Compliant)**	
			Luminous flux tolerance	+/-7%
Operating and Electrical			**Initial chromaticity**	(0.380, 0.380) SDCM <5
Input Voltage	220-240 V		**Power consumption tolerance**	+/-10%
Line Frequency	50 to 60 Hz		**Init. Color Rendering Index Tolerance**	+/-2
Initial CLO power consumption	11.2 W			
Average CLO power consumption	12.6 W		**Over Time Performance (IEC Compliant)**	
End CLO power consumption	14 W		**Control gear failure rate at median useful life 100000 h**	10 %
Inrush current	15 A		**Lumen maintenance at median useful life* 100000 h**	L100
Inrush time	360 ms			
Power Consumption	14 W			
Power Factor (Fraction)	0.95			
Connection	Screw connection block 3-pole		**Application Conditions**	
Cable	Cable 10 m without plug		**Performance ambient temperature Tq**	25 °C
Number of products on MCB of 16 A type B	23		**Maximum dim level**	Programmable
Temperature			**Product Data**	
Ambient temperature range	–40 to +50 °C		**Order product name**	BGP213 ECO16/740 II DW CLO-DDF2 D18 FQQ-
			Full product name	BGP213 ECO16/740 II DW CLO-DDF2 D18 FQQ-
Controls and Dimming				
Dimmable	Yes		**Full product code**	871869632024200
Driver/power unit/transformer	Power supply unit with DynaDimmer and constant light output (integrated)		**Order code**	910925452279
			Material Nr. (12NC)	910925452279
Control interface	Internal (no external connection)		**Numerator – Quantity Per Pack**	1
Constant light output	Yes		**EAN/UPC – Product/Case**	8718696320242
			Numerator – Packs per outer box	1
Mechanical and Housing			**EAN/UPC – Case**	8718696320242
Housing Material	Aluminum die cast			
Reflector material	Polycarbonate			
Optic material	Polycarbonate			

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Dimensional drawing

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2023, September 4 – data subject to change