



LumiStreet

BGP214 ECO81/740 II DM CLO FQQ-2X1.5 48/

LumiStreet Large, LED EconomyLine 8100 lm, 740 neutral white, Safety class II, Distribution medium, 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Many local authorities today have an outdated public lighting installation that urgently needs to be replaced, yet have only a limited budget available.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	ECO81 [LED EconomyLine 8100 lm]	
Light source replaceable	Yes	
Number of gear units	1 unit	
Driver included	Yes	
Photocell	-	
Remarks *-Per Lighting Europe guidance pape		
"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	

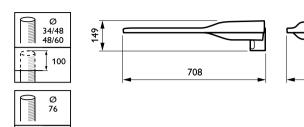
Datasheet, 2023, September 4 data subject to change

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Embedded control	Constant light output	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	O°	Overall width	355 mm
Standard tilt angle side entry	O°	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 Compli	iant)
Inrush time	0.25 ms	Control gear failure rate at median useful	10 %
Power Consumption	65 W	life 100000 h	
Power Factor (Fraction)	0.95	Lumen maintenance at median useful	L100
Connection	Screw connection block 3-pole	life* 100000 h	
Cable	Cable 10 m without plug		
Number of products on MCB of 16 A type	11	Application Conditions	
В		Performance ambient temperature Tq	25 ℃
Temperature		Product Data	
Ambient temperature range	-40 to +50 °C	Order product name	BGP214 ECO81/740 II DM CLO FQQ-2X1.5 48/
Controls and Dimming		Full product name	BGP214 ECO81/740 II DM CLO FQQ-2X1.5
Dimmable	No		48/
Driver/power unit/transformer	Power supply unit (On/Off)	Full product code	871869632029700
Constant light output	Yes	Order code	910925452328
		Material Nr. (12NC)	910925452328
Mechanical and Housing		Numerator - Quantity Per Pack	1
Housing Material	Aluminum die cast	EAN/UPC - Product/Case	8718696320297
Reflector material	Polycarbonate	Numerator - Packs per outer box	1
Optic material	Polycarbonate	EAN/UPC - Case	8718696320297
Optical cover material	Tempered glass		
Fixation material	Aluminum		
Housing Color	Grey		

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Dimensional drawing



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