LumiStreet

BGP212 ECO59/740 I DDF27 48/60A

LumiStreet Mini, LED EconomyLine 5900 lm, 740 neutral white, Safety class I, Distribution medium, 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Many local authorities today have an outdated public lighting installation that urgently needs to be replaced, yet have only a limited budget available.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.

Warnings and Safety

• PLEASE NOTE LUMISTREET SMALL IS NOT AVAILABLE FOR SALE IN UK & IRELAND; SAME HAS BEEN REPLACED BY LUMISTREET MINI

Product data

General Information	
Lamp family code	ECO59 [LED EconomyLine 5900 lm]
Light source replaceable	Yes
Number of gear units	Unit
Driver included	Yes
Remarks	*– According to the Lighting Europe guidance paper 'Evaluating performance of LED based luminaires – January 2018': statistically there is no relevant difference in lumen maintenance between the B50 and, for example, the 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

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Product family code	BGP212 [LumiStreet Mini]		Optical cover/lens material	Tempered glass
Lighting Technology	LED		Fixation material	Aluminium
CE mark	Yes		Housing Colour	Grey
Warranty period	5 years		Mounting device	Universal for diameter 48 to 60 mm
Flammability mark	–			adjustable
ENEC mark	ENEC mark		Optical cover/lens shape	Flat
EU RoHS compliant	Yes		Optical cover/lens finish	Clear
			Overall length	505 mm
Light Technical			Overall width	270 mm
Upwards light output ratio	0		Overall height	98 mm
Luminous Flux	5,900 lm		Overall diameter	150 mm
Standard tilt angle post–top	0°		Effective projected area	0.0356 m²
Standard tilt angle side entry	0°		Dimensions (height x width x depth)	98 x 270 x 505 mm
Correlated Colour Temperature	4000 K			
Luminous efficacy (rated) (nom.)	123 lm/W		**Approval and Application**	
Colour rendering index (CRI)	70		Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Light source colour	740 neutral white		Mech. impact protection code	IK08 [5 J vandal-protected]
Optical cover type	Flat glass		Surge Protection (Common/Differential)	Philips standard surge-protection level
Luminaire light beam spread	154°		Protection class IEC	Safety class I
Optic type outdoor	Distribution medium			
			Initial Performance (IEC Compliant)	
Operating and Electrical			Luminous flux tolerance	+/-7%
Input Voltage	220–240 V		Initial chromaticity	(0.380, 0.380) SDCM <5
Line Frequency	50 to 60 Hz		Power consumption tolerance	+/-10%
Initial CLO power consumption	[DELETE] W		Init. Color Rendering Index Tolerance	+/-2
Average CLO power consumption	[DELETE] W			
End CLO power consumption	[DELETE] W		**Over Time Performance (IEC Compliant)**	
Inrush current	45 A		Control gear failure rate at median useful life 100,000 h	10 %
Inrush time	0.285 ms			
Power Consumption	47.9 W		Lumen maintenance at median useful life* 100,000 h	L80
Power Factor (Fraction)	0.97			
Connection	Screw connection block 3–pole			
Cable	–		**Application Conditions**	
Number of products on MCB of 16 A type B	10		Performance ambient temperature Tq	25 °C
			Maximum dim level	Programmable
Temperature				
Ambient temperature range	–40 to +50 °C		**Product Data**	
			Order product name	BGP212 ECO59/740 I DDF27 48/60A
Controls and Dimming			Full product name	BGP212 ECO59/740 I DDF27 48/60A
Dimmable	Yes		Full EOC	871869638200400
Driver/power unit/transformer	Power supply unit with DynaDimmer		Order code	38200400
Control interface	Internal (no external connection)		Material no. (12 NC)	910925864080
Constant light output	No		SAP numerator – quantity per pack	1
			EAN/UPC — Product/Case	8718696382004
Mechanical and Housing			Numerator – packs per outer box	1
Housing material	Aluminium die cast		EAN/UPC – Case	8718696382004
Reflector material	Polycarbonate			
Optic material	Polycarbonate			

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Dimensional drawing

⌀ 76

+10/-90°

100

98

505

270

www.lighting.philips.com

2023, April 29 – data subject to change