



# 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Many local authorities today have an outdated public lighting installation that urgently needs to be replaced, yet have only a limited budget available.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.

### Product data

General Information			
Lamp family code	ECO59 [LED EconomyLine 5900 lm]	extreme ambient temperatures the luminaire might automatically dim down to protect components	
Light source replaceable	Yes		
Number of gear units	1 unit	Light source engine type	
Driver included	Yes	LED	
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	Product family code	
		BGP212 [LumiStreet Mini]	
		Lighting Technology	
		LED	
		Flammability mark	
		-	
		CE mark	
		Yes	
		ENEC mark	
		ENEC mark	
		Warranty period	
		5 years	
		EU RoHS compliant	
		Yes	

<b>Light Technical</b>	
Upward light output ratio	0
Luminous Flux	5,900 lm
Standard tilt angle posttop	0°
Standard tilt angle side entry	0°
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	123 lm/W
Color rendering index (CRI)	70
Number of light sources	1
Light source color	740 neutral white
Optical cover type	Flat glass
Luminaire light beam spread	154°
Optic type outdoor	Distribution medium

<b>Operating and Electrical</b>	
Input Voltage	220-240 V
Line Frequency	50 to 60 Hz
Initial CLO power consumption	[DELETE] W
Average CLO power consumption	[DELETE] W
End CLO power consumption	[DELETE] W
Inrush current	45 A
Inrush time	0.285 ms
Power Consumption	47.9 W
Power Factor (Fraction)	0.97
Connection	Screw connection block 3-pole
Cable	-
Number of products on MCB of 16 A type B	10

<b>Temperature</b>	
Ambient temperature range	-40 to +50 °C

<b>Controls and Dimming</b>	
Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DynaDimmer
Control interface	Internal (no external connection)
Constant light output	No

<b>Mechanical and Housing</b>	
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	505 mm
Overall width	270 mm
Overall height	98 mm
Overall diameter	150 mm
Effective projected area	0.0356 m²
Dimensions (Height x Width x Depth)	98 x 270 x 505 mm

<b>Approval and Application</b>	
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 I

<b>Initial Performance (IEC Compliant)</b>	
Luminous flux tolerance	+/-7%
Initial chromaticity	(0.380, 0.380) SDCM <5
Power consumption tolerance	+/-10%
Init. Color Rendering Index Tolerance	+/-2

<b>Over Time Performance (IEC Compliant)</b>	
Control gear failure rate at median useful life 100000 h	10 %
Lumen maintenance at median useful life* 100000 h	L80

<b>Application Conditions</b>	
Performance ambient temperature Tq	25 °C
Maximum dim level	Programmable

<b>Product Data</b>	
Order product name	BGP212 ECO59/740 I DDF27 48/60A
Full product name	BGP212 ECO59/740 I DDF27 48/60A
Full product code	871869638200400
Order code	910925864080
Material Nr. (12NC)	910925864080
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696382004
Numerator - Packs per outer box	1
EAN/UPC - Case	8718696382004

## Dimensional drawing

