



# LumiStreet

## BGP253 LED109-4S/740 II DM50 D9 48/60A

LumiStreet Medium, LED module 10900 lm, 740 neutral white, Safety class II, Distribution medium 50, Flat glass, Side-entry for diameter 48 to 60 mm

Many local authorities today have an outdated public lighting installation that urgently needs to be replaced, yet have only a limited budget available.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	LED109 [LED module 10900 lm]	Light source engine type	LED
Light source replaceable	Yes	Product family code	BGP253 [LumiStreet Medium]
Number of gear units	1 unit	Lighting Technology	LED
Driver included	Yes	Flammability mark	For mounting on normally flammable surfaces
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.	CE mark	Yes
		ENEC mark	ENEC mark
		Warranty period	5 years
		EU RoHS compliant	Yes
		Light Technical	
		Upward light output ratio	0

Luminous Flux	9,460 lm
Standard tilt angle posttop	0°
Standard tilt angle side entry	0°
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	141 lm/W
Color rendering index (CRI)	70
Light source color	740 neutral white
Optical cover type	Flat glass
Luminaire light beam spread	53° x 71°
Optic type outdoor	Distribution medium 50

#### Operating and Electrical

Input Voltage	230 V
Line Frequency	50 to 60 Hz
Inrush current	46 A
Inrush time	0.25 ms
Power Consumption	67 W
Power Factor (Fraction)	0.98
Connection	Connection unit 5-pole
Cable	-
Number of products on MCB of 16 A type B	11

#### Temperature

Ambient temperature range	-40 to +50 °C
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#### Controls and Dimming

Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DALI interface
Control interface	DALI
Constant light output	No

#### Mechanical and Housing

Housing Material	Aluminum die cast
Reflector material	Polycarbonate
Optic material	Polycarbonate
Optical cover material	Polycarbonate
Fixation material	Aluminum
Housing Color	Grey
Mounting device	Side-entry for diameter 48 to 60 mm
Optical cover shape	Curved

Optical cover finish	Clear
Overall length	580 mm
Overall width	353 mm
Overall height	98 mm
Effective projected area	0.42 m²
Dimensions (Height x Width x Depth)	98 x 353 x 580 mm

#### Approval and Application

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 II

#### Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-7%
Initial chromaticity	(0.38, 0.38) SDCM <5
Power consumption tolerance	+/-10%
Init. Color Rendering Index Tolerance	+/-2

#### Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 100000 h	10 %
Lumen maintenance at median useful life* 100000 h	L92

#### Application Conditions

Performance ambient temperature Tq	25 °C
Maximum dim level	0% (digital)

#### Product Data

Order product name	BGP253 LED109-4S/740 II DM50 D9 48/60A
Full product name	BGP253 LED109-4S/740 II DM50 D9 48/60A
Full product code	871869698857200
Order code	910925864929
Material Nr. (12NC)	910925864929
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696988572
Numerator - Packs per outer box	1
EAN/UPC - Case	8718696988572

Dimensional drawing

