



# LumiStreet

## BGP214 LED109-4S/740 II DM50 D9 48/60A

LumiStreet Large, LED module 10000 lm, 740 neutral white, Safety class II, 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Many local authorities today have an outdated public lighting installation that urgently needs to be replaced, yet have only a limited budget available.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.

### Product data

General Information			
Lamp family code	LED100 [LED module 10000 lm]	Product family code	BGP214 [LumiStreet Large]
Light source replaceable	Yes	Lighting Technology	LED
Number of gear units	1 unit	Embedded control	-
Driver included	Yes	CE mark	Yes
Photocell	-	Warranty period	5 years
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.	Flammability mark	-
Light source engine type	LED	ENEC mark	ENEC mark
		Glow-wire test	Temperature 850 °C, duration 5 s
		EU RoHS compliant	No
		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
Number of light sources	2
Light source color	740 neutral white
Optical cover type	Flat glass
Luminaire light beam spread	154°
Optic type outdoor	Distribution medium

## Operating and Electrical

Input Voltage	220-240 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	Screw connection block 3-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	Tempered glass
Fixation material	Aluminum
Housing Color	Gray
Mounting device	Universal for diameter 48 to 60 mm adjustable
Optical cover shape	Flat

Optical cover finish	Clear
Overall length	755 mm
Overall width	355 mm
Overall height	98 mm
Effective projected area	0.04 m²
Dimensions (Height x Width x Depth)	98 x 355 x 755 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	(0.381, 0.379) 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	10%

## Product Data

Order product name	BGP214 LED109-4S/740 II DM50 D9 48/60A
Full product name	BGP214 LED109-4S/740 II DM50 D9 48/60A
Full product code	871869634887100
Order code	34887100
Material Nr. (12NC)	910925863477
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696348871
Numerator - Packs per outer box	1
EAN/UPC - Case	8718696348871

Dimensional drawing

