



# LumiStreet gen2

## BGP291 LED45-4S/740 II DM11 48/60S

LumiStreet gen2 Micro, LED Module 4500 lm, 740 neutral white, Safety class II, Distribution medium 11, Side-entry for diameter 48 to 60 mm

Increasing numbers of municipalities are having to upgrade large-scale conventional street lighting installations with energy efficient LED technology. But they are having to do this with smaller and smaller budgets. That's why the new generation of LumiStreet has been upgraded and designed to provide a solution to this challenge, it is the ideal solution for performing point-to-point replacement of conventional lighting. LumiStreet gen2 achieves this by offering high efficiency, low Total Cost of Ownership, and ease of installation and maintenance. The ease of installation and maintenance is enabled by the Philips Service tag. Moreover, the Philips SR (System Ready) socket makes it future-ready and you can pair this luminaire with lighting control and software applications such as Interact City.

### Product data

General Information		Value ladder		Specification	
Lamp family code	LED45 [LED Module 4500 lm]	CE mark		CE mark	Yes
Light source replaceable	Yes	Warranty period		Warranty period	5 years
Number of gear units	1 unit	Flammability mark		Flammability mark	For mounting on normally flammable surfaces
Driver included	Yes	ENEC mark		ENEC mark	ENEC plus mark
Remarks	* At extreme ambient temperatures the luminaire might automatically dim down to protect components	EU RoHS compliant		EU RoHS compliant	Yes
Light source engine type	LED	<b>Light Technical</b>			
Service tag	Yes	Upward light output ratio		Upward light output ratio	0
Product family code	BGP291 [LumiStreet gen2 Micro]	Luminous Flux		Luminous Flux	4,005 lm
Lighting Technology	LED	Standard tilt angle posttop		Standard tilt angle posttop	0°

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Standard tilt angle side entry	0°
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	143 lm/W
Color rendering index (CRI)	70
Light source color	740 neutral white
Optical cover type	Flat glass
Luminaire light beam spread	160° - 42° x 54°
Optic type outdoor	Distribution medium 11

## Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Inrush current	21 A
Inrush time	0.225 ms
Power Consumption	28 W
Power Factor (Fraction)	0.97
Connection	2 Push-in connector 5-pole
Cable	-
Number of products on MCB of 16 A type B	26

## Temperature

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

Dimmable	No
Driver/power unit/transformer	Power supply unit regulating
Control interface	-
Constant light output	No

## Mechanical and Housing

Housing Material	Aluminum die cast
Reflector material	Polycarbonate
Optic material	Polymethyl methacrylate
Optical cover material	Glass
Fixation material	Aluminum
Housing Color	Gray
Mounting device	Side-entry for diameter 48 to 60 mm
Optical cover shape	Flat
Optical cover finish	Clear
Overall length	520 mm
Overall width	234 mm
Overall height	95 mm

Effective projected area	0.0235 m <sup>2</sup>
Dimensions (Height x Width x Depth)	95 x 234 x 520 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)	Luminaire surge protection level until 6 kV differential mode and 8 kV common mode
Sustainability rating	Lighting for circularity
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)

Driver failure rate at 5000 h	0.5 %
Control gear failure rate at median useful life 100000 h	10 %
Lumen maintenance at median useful life* 100000 h	L97

## Application Conditions

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

## Product Data

Order product name	BGP291 LED45-4S/740 II DM11 48/60S
Full product name	BGP291 LED45-4S/740 II DM11 48/60S
Full product code	871951407910600
Order code	910925866644
Material Nr. (12NC)	910925866644
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8719514079106
Numerator - Packs per outer box	1
EAN/UPC - Case	8719514079106

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## Dimensional drawing

