



LumiStreet gen2

BGP291 LED45-4S/740 II DX10 D11 H07RN-F-

LumiStreet gen2, Road & street light, 27 W, 3960 lm, 4000 K, CRI70, Distribution extra wide 10, Safety class II, IP66

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		Warranty period	
Lamp family code	LED45 [LED Module 4500 lm]	Sustainability rating	Lighting for circularity
Light source replaceable	Yes	Light Technical	
Number of gear units	1 unit	Upward light output ratio	0
Driver included	Yes	Luminous Flux	3,960 lm
Light source engine type	LED	Correlated Color Temperature (Nom)	4000 K
Service tag	Yes	Luminous Efficacy (rated) (Nom)	147 lm/W
Lighting Technology	LED	Color rendering index (CRI)	70
Value ladder	Specification	Light source color	740 neutral white
Serviceability class	Class A, luminaire is equipped with serviceable parts (when applicable): LED board, driver, control units, surge protection device, optics, front cover and mechanical parts	Luminaire light beam spread	150° - 43° x 67°
		Optic type outdoor	Distribution extra wide 10

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Effective projected area	0.0235 m²
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	27 W
Power Factor (Fraction)	0.97
Connection	2 Push-in connector 5-pole
Cable	Cable 6.0 m without plug
Number of products on MCB of 16 A type B	30
Protection class IEC	Safety class II
Surge Protection (Common/Differential)	Luminaire surge protection level until 6 kV differential mode and 8 kV common mode

Controls and Dimming

Dimmable	Yes
Driver/power unit/transformer	Power supply unit regulating
Control interface	-
Constant light output	No
Maximum dim level	0% (digital)

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
Dimensions (Height x Width x Depth)	95 x 234 x 520 mm
Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK09 [10 J]
Standard tilt angle posttop	0°
Standard tilt angle side entry	0°
Optical cover type	Flat glass
Net Weight (Piece)	5.790 kg

Approval and Application

Flammability mark	For mounting on normally flammable surfaces
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CE mark	Yes
ENEC mark	ENEC plus mark
EU RoHS compliant	Yes
Performance ambient temperature Tq	25 °C
Remarks	* At extreme ambient temperatures the luminaire might automatically dim down to protect components
Ambient temperature range	-40 to +50 °C

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
Standard Deviation of Colour Matching (McAdam ellipse)	SDCM≤5

Over Time Performance (IEC Compliant)

Driver failure rate at 5000 h	0.5 %
Control gear failure rate at median useful life 50000 h	5 %
Control gear failure rate at median useful life 100000 h	10 %
Lumen maintenance at median useful life* 50000 h	L99
Lumen maintenance at median useful life* 100000 h	L97

Product Data

Order product name	BGP291 LED45-4S/740 II DX10 D11 H07RN-F-
Full product name	BGP291 LED45-4S/740 II DX10 D11 H07RN-F-
Full product code	871951412558200
Order code	910925867775
Material Nr. (12NC)	910925867775
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8719514125582
Numerator - Packs per outer box	1
EAN/UPC - Case	8719514125582
Product family code	BGP291 [LumiStreet gen2 Micro]

Dimensional drawing

