



LumiStreet gen2

BGP291 LED50-4S/740 I DM11 48/60S

LumiStreet gen2, Road & street light, 30 W, 4350 lm, 4000 K, CRI70, Distribution medium 11, Safety class I, 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	LED50 [LED module 5000 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	4,350 lm
Light source engine type	LED	Correlated Color Temperature (Nom)	4000 K
Service tag	Yes	Luminous Efficacy (rated) (Nom)	145 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	160° - 42° x 54°
		Optic type outdoor	Distribution medium 11

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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	30 W
Power Factor (Fraction)	0.98
Connection	2 Push-in connector 5-pole
Cable	-
Number of products on MCB of 16 A type B	30
Protection class IEC	Safety class I
Surge Protection (Common/Differential)	Luminaire surge protection level until 6 kV differential mode and 8 kV common mode
Controls and Dimming	
Dimmable	No
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)	4.000 kg

Approval and Application	
Flammability mark	For mounting on normally flammable surfaces
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 LED50-4S/740 I DM11 48/60S
Full product name	BGP291 LED50-4S/740 I DM11 48/60S
Full product code	871951405875000
Order code	910925866442
Material Nr. (12NC)	910925866442
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8719514058750
Numerator - Packs per outer box	1
EAN/UPC - Case	8719514058750
Product family code	BGP291 [LumiStreet gen2 Micro]

Dimensional drawing

