



LumiStreet gen2

BGP292 LED51-4S/740 I DX10 P148/60S

LumiStreet gen2 Mini, LED module 5100 lm, 740 neutral white, Safety class I, Distribution extra wide 10, 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	LED51 [LED module 5100 lm]	CE mark	Yes
Light source replaceable	Yes	Warranty period	5 years
Number of gear units	1 unit	Flammability mark	For mounting on normally flammable surfaces
Driver included	Yes	ENEC mark	ENEC plus mark
Remarks	* At extreme ambient temperatures the luminaire might automatically dim down to protect components	EU RoHS compliant	Yes
Light source engine type	LED	Serviceability class	Class A, luminaire is equipped with serviceable parts (when applicable): LED board, driver, control units, surge protection
Service tag	Yes		
Product family code	BGP292 [LumiStreet gen2 Mini]		
Lighting Technology	LED		

LumiStreet gen2

	device, optics, front cover and mechanical parts
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Light Technical

Upward light output ratio	0
Luminous Flux	4,524 lm
Standard tilt angle posttop	0°
Standard tilt angle side entry	0°
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	148 lm/W
Color rendering index (CRI)	70
Light source color	740 neutral white
Optical cover type	Flat glass
Luminaire light beam spread	150° - 43° x 67°
Optic type outdoor	Distribution extra wide 10

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	30.5 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

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	620 mm
Overall width	234 mm
Overall height	95 mm
Effective projected area	0.0251 m²
Dimensions (Height x Width x Depth)	95 x 234 x 620 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 I

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	BGP292 LED51-4S/740 I DX10 P148/60S
Full product name	BGP292 LED51-4S/740 I DX10 P148/60S
Full product code	871951410018300
Order code	910925866753
Material Nr. (12NC)	910925866753
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8719514100183
Numerator - Packs per outer box	1
EAN/UPC - Case	8719514100183

Dimensional drawing

