



LumiStreet gen2

BGP291 LED51-4S/740 II DM11 CLO 48/60S

LUMISTREET GEN2 MICRO - LED module 5100 lm - 740 neutral white - Safety class II (II) - Distribution medium 11 - Side-entry for diameter 48-60 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	
Lamp family code	LED51 [LED module 5100 lm]
Light source color	740 neutral white
Light source replaceable	Yes
Number of gear units	1 unit
Driver/power unit/transformer	PSR-CLO [Power supply unit regulating with constant light output]
Driver included	Yes
Optical cover/lens type	FG [Flat glass]
Luminaire light beam spread	160° - 42° x 54°
Control interface	-
Connection	2 Push-in connector 5-pole

Cable	-
Protection class IEC	Safety class II (II)
Flammability mark	F [For mounting on normally flammable surfaces]
CE mark	CE mark
ENEC mark	ENEC plus mark
Warranty period	5 years
Optic type outdoor	Distribution medium 11
Remarks	* At extreme ambient temperatures the luminaire might automatically dim down to protect components
Constant light output	Yes

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Number of products on MCB of 16 A type B	26
EU RoHS compliant	Yes
Light source engine type	LED
Service tag	Yes
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
Product family code	BGP291 [LUMISTREET GEN2 MICRO]

Light technical

Upward light output ratio	0
Standard tilt angle posttop	0°
Standard tilt angle side entry	0°

Operating and electrical

Input Voltage	220 to 240 V
Input Frequency	50 to 60 Hz
Initial CLO power consumption	31 W
Average CLO power consumption	31.5 W
End CLO power consumption	31.5 W
Inrush current	21 A
Inrush time	0.225 ms
Power Factor (Min)	0.98

Controls and dimming

Dimmable	No
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Mechanical and housing

Housing Material	Aluminum die-cast
Reflector material	Polycarbonate
Optic material	Polymethyl methacrylate
Optical cover/lens material	Glass
Fixation material	Aluminum
Mounting device	48/60S [Side-entry for diameter 48-60 mm]
Optical cover/lens shape	Flat
Optical cover/lens finish	Clear
Overall length	520 mm
Overall width	234 mm
Overall height	95 mm
Effective projected area	0.0235 m ²

Color	Gray
Dimensions (Height x Width x Depth)	95 x 234 x 520 mm (3.7 x 9.2 x 20.5 in)

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

Initial performance (IEC compliant)

Initial luminous flux (system flux)	4361 lm
Luminous flux tolerance	+/-7%
Initial LED luminaire efficacy	141 lm/W
Init. Corr. Color Temperature	4000 K
Init. Color Rendering Index	70
Initial chromaticity	(0.381, 0.379) SDCM <5
Initial input power	31 W
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	L100

Application conditions

Ambient temperature range	-40 to +50 °C
Performance ambient temperature Tq	25 °C
Maximum dim level	0% (digital)

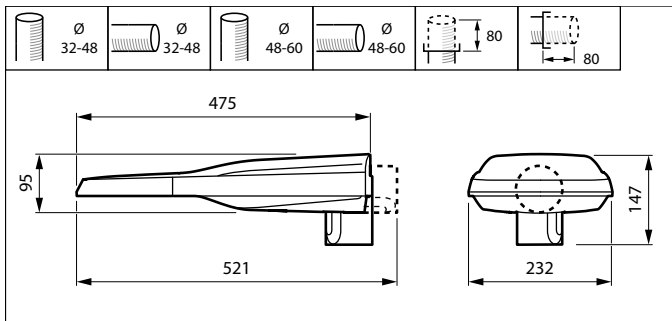
Product data

Full product code	871951410128900
Order product name	BGP291 LED51-4S/740 II DM11 CLO 48/60S
EAN/UPC - Product	8719514101289
Order code	10128900
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1
Material Nr. (12NC)	910925866864
Net Weight (Piece)	4.000 kg



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Dimensional drawing



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