LumiStreet gen2

BGP291 LED44-4S/740 I DW50 CLO D9 P1 32/

LumiStreet gen2 Micro, LED module 4400 lm, 740 neutral white, Safety class I, Distribution wide 50, 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

Lamp family code	LED44 [LED module 4400 lm]
Light source replaceable	Yes
Number of gear units	1 unit
Driver included	Yes
Remarks	* At extreme ambient temperatures the luminaire might automatically dim down to protect components
Light source engine type	LED
Service tag	Yes
Product family code	BGP291 [LumiStreet gen2 Micro]
Lighting Technology	LED

Value ladder	Specification
CE mark	Yes
Warranty period	5 years
Flammability mark	For mounting on normally flammable surfaces
ENEC mark	ENEC plus mark
EU RoHS compliant	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

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Light Technical

Upward light output ratio	0
Luminous Flux	3,784 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	152° – 24° x 66°
Optic type outdoor	Distribution wide 50

Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Initial CLO power consumption	26.5 W
Average CLO power consumption	27 W
End CLO power consumption	27 W
Inrush current	21 A
Inrush time	0.225 ms
Power Consumption	26 W
Power Factor (Fraction)	0.97
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

Controls and Dimming

Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DynaDimmer and constant light output (integrated)
Control interface	DALI
Constant light output	Yes

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 m²
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 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	L100

Application Conditions

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

Product Data

Order product name	BGP291 LED44-4S/740 I DW50 CLO D9 P1 32/
Full product name	BGP291 LED44-4S/740 I DW50 CLO D9 P1 32/
Full product code	871951410045900
Order code	10045900
Material Nr. (12NC)	910925866780
Numerator – Quantity Per Pack	1
EAN/UPC – Product/Case	8719514100459
Numerator – Packs per outer box	1
EAN/UPC – Case	8719514100459

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Dimensional drawing