LumiStreet gen2

BGP292 LED75-4S/740 I DX10 7024 D9 48/60

LumiStreet gen2 Mini, LED module 7500 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

Lamp family code	LED75 [LED module 7500 lm]
Light source replaceable	Yes
Number of gear units	Unit
Driver included	Yes
Remarks	* At extreme ambient temperatures the luminaire might automatically dim down to protect components
Light source engine type	LED
Product family code	BGP292 [LumiStreet gen2 Mini]
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, the 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

Upwards light output ratio	0
Luminous Flux	6,612 lm
Standard tilt angle post-top	0°
Standard tilt angle side entry	0°
Correlated Colour Temperature	4000 K
Luminous efficacy (rated) (nom.)	150 lm/W
Colour rendering index (CRI)	70
Light source colour	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	47 A
Inrush time	0.25 ms
Power Consumption	44 W
Power Factor (Fraction)	0.98
Connection	2 push-in connectors 5-pole
Cable	–
Number of products on MCB of 16 A type B	10

Temperature

Ambient temperature range	–40 to +50 ℃

Controls and Dimming

Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DALI interface
Control interface	DALI
Constant light output	No

Mechanical and Housing

Housing material	Aluminium die cast
Reflector material	Polycarbonate
Optic material	Polymethyl methacrylate
Optical cover/lens material	Glass
Fixation material	Aluminium
Housing Colour	Grey
Mounting device	Side-entry for diameter 48 to 60 mm
Optical cover/lens shape	Flat
Optical cover/lens 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 up to 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 5,000 hours	0.5 %
Control gear failure rate at median useful life 100,000 h	10 %
Lumen maintenance at median useful life* 100,000 h	L97

Application Conditions

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

Product Data

Order product name	BGP292 LED75-4S/740 I DX10 7024 D9 48/60
Full product name	BGP292 LED75-4S/740 I DX10 7024 D9 48/60
Full EOC	871951407963200
Order code	07963200
Material no. (12 NC)	910925866697
SAP numerator – quantity per pack	1
EAN/UPC — Product/Case	8719514079632
Numerator – packs per outer box	1
EAN/UPC – Case	8719514079632

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Dimensional drawing

www.lighting.philips.com

2023, December 5 – data subject to change