LumiStreet gen2

BGP293 LED120-4S/740 I DX10 7024 D9 48/6

LumiStreet gen2 Medium, LED module 12000 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	LED120 [LED module 12000 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	BGP293 [LumiStreet gen2 Medium]
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

Light Technical

Upward light output ratio	0
Luminous Flux	10,200 lm
Standard tilt angle posttop	0°

LumiStreet gen2

Standard tilt angle side entry	0°	Effective projected area	0.0246 m²
Correlated Color Temperature (Nom)	4000 K	Dimensions (Height x Width x Depth)	95 x 340 x 626 mm
Luminous Efficacy (rated) (Nom)	146 lm/W		
Color rendering index (CRI)	70	**Approval and Application**	
Light source color	740 neutral white	Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Optical cover type	Flat glass	Mech. impact protection code	IK08 [5 J vandal-protected]
Luminaire light beam spread	150° – 43° x 67°	Surge Protection (Common/Differential)	Luminaire surge protection level until 6 kV
Optic type outdoor	Distribution extra wide 10		differential mode and 8 kV common mode
		Sustainability rating	Lighting for circularity
Operating and Electrical		Protection class IEC	Safety class I
Input Voltage	220 to 240 V		
Line Frequency	50 to 60 Hz	**Initial Performance (IEC Compliant)**	
Inrush current	53 A	Luminous flux tolerance	+/-7%
Inrush time	0.3 ms	Initial chromaticity	(0.381, 0.379) SDCM <5
Power Consumption	70 W	Power consumption tolerance	+/-10%
Power Factor (Fraction)	0.98	Init. Color Rendering Index Tolerance	+/-2
Connection	2 Push-in connector 5-pole		
Cable	–	**Over Time Performance (IEC Compliant)**	
Number of products on MCB of 16 A type B	8	Driver failure rate at 5000 h	0.5 %
		Control gear failure rate at median useful life 100000 h	10 %
Temperature		Lumen maintenance at median useful life* 100000 h	L97
Ambient temperature range	–40 to +50 °C		
		Application Conditions	
Controls and Dimming		Performance ambient temperature Tq	25 °C
Dimmable	Yes	Maximum dim level	0% (digital)
Driver/power unit/transformer	Power supply unit with DALI interface		
Control interface	DALI	**Product Data**	
Constant light output	No	Order product name	BGP293 LED120-4S/740 I DX10 7024 D9 48/6
		Full product name	BGP293 LED120-4S/740 I DX10 7024 D9 48/6
Mechanical and Housing			
Housing Material	Aluminum die cast	Full product code	871869944946900
Reflector material	Polycarbonate	Order code	44946900
Optic material	Polymethyl methacrylate	Material Nr. (12NC)	910925865680
Optical cover material	Glass	Numerator – Quantity Per Pack	1
Fixation material	Aluminum	EAN/UPC – Product/Case	8718699449469
Housing Color	Gray	Numerator – Packs per outer box	1
Mounting device	Side-entry for diameter 48 to 60 mm	EAN/UPC – Case	8718699449469
Optical cover shape	Flat		
Optical cover finish	Clear		
Overall length	626 mm		
Overall width	340 mm		
Overall height	95 mm		

LumiStreet gen2

Dimensional drawing

www.lighting.philips.com

2023, November 6 – data subject to change