UniStreet gen2

BGP282 LED120-4S/740 I DM50 D9 48/60S

UniStreet gen2 Mini, LED module 12000 lm, 740 neutral white, Safety class I, Distribution medium 50, Side-entry for diameter 48 to 60 mm

Designed for large-scale ledification projects, the UniStreet gen2 is the ideal 1:1 luminaire replacement for municipalities. Thanks to its high efficiency and low initial cost, the UniStreet gen2 luminaire enables a fast payback and significant savings in terms of energy consumption within a short period of time. The ease of installation and maintenance is enabled by the Philips Service tag and 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. Available with a number of different optics and lumen packages that can even be tuned further to fit exact project requirements, UniStreet gen2 is a true point-to-point replacement solution for conventional light sources. The compact luminaire, using high-quality materials is also easy to dismantle and recycle at the end of its lifetime.

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	BGP282 [UniStreet gen2 Mini]

Lighting Technology	LED
Value ladder	Specification
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

Light Technical

Upward light output ratio	0
Luminous Flux	10,200 lm

UniStreet gen2

Standard tilt angle posttop	0°		Mech. impact protection code	IK08 [5 J vandal-protected]
Standard tilt angle side entry	0°		Surge Protection (Common/Differential)	Luminaire surge protection level until 6 kV
Luminous Efficacy (rated) (Nom)	146 lm/W			differential mode and 8 kV common mode
Correlated Color Temperature (Nom)	4000 K		Sustainability rating	Lighting for circularity
Color rendering index (CRI)	70		Protection class IEC	Safety class I
Light source color	740 neutral white		Flammability mark	For mounting on normally flammable
Optical cover type	Flat glass			surfaces
Luminaire light beam spread	154° – 31° x 54°		CE mark	Yes
Optic type outdoor	Distribution medium 50		ENEC mark	ENEC plus mark
			Warranty period	5 years
Operating and Electrical			EU RoHS compliant	Yes

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	70 W
Power Factor (Fraction)	0.99
Connection	2 Push-in connector 5-pole
Cable	–
Number of products on MCB of 16 A type B	10

Temperature

Ambient temperature range	–40 to +50 °C

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	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]

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 50000 h	5 %
Control gear failure rate at median useful life 100000 h	10 %
Lumen maintenance at median useful life* 50000 h	L98
Lumen maintenance at median useful life* 100000 h	L96

Application Conditions

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

Product Data

Order product name	BGP282 LED120-4S/740 I DM50 D9 48/60S
Full product name	BGP282 LED120-4S/740 I DM50 D9 48/60S
Full product code	871951407944100
Order code	910925866678
Material Nr. (12NC)	910925866678
Numerator – Quantity Per Pack	1
Net Weight (Piece)	5.100 kg
EAN/UPC – Product/Case	8719514079441
Numerator – Packs per outer box	1
EAN/UPC – Case	8719514079441

UniStreet gen2

Dimensional drawing

www.lighting.philips.com

2024, May 27 – data subject to change