



# UniStreet gen2

## BGP282 LED59-4S/740 II DM50 D9 48/60S

UniStreet gen2 Mini, LED module 5900 lm, 740 neutral white, Safety class II, 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		Lighting Technology	
Lamp family code	LED59 [LED module 5900 lm]	Lighting Technology	LED
Light source replaceable	Yes	Value ladder	Specification
Number of gear units	1 unit	CE mark	Yes
Driver included	Yes	Warranty period	5 years
Remarks	* At extreme ambient temperatures the luminaire might automatically dim down to protect components	Flammability mark	For mounting on normally flammable surfaces
Light source engine type	LED	ENEC mark	ENEC plus mark
Service tag	Yes	EU RoHS compliant	Yes
Product family code	BGP282 [UniStreet gen2 Mini]	Light Technical	
		Upward light output ratio	0

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Luminous Flux	5,160 lm
Standard tilt angle posttop	0°
Standard tilt angle side entry	0°
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	139 lm/W
Color rendering index (CRI)	70
Light source color	740 neutral white
Optical cover type	Flat glass
Luminaire light beam spread	154° - 31° x 54°
Optic type outdoor	Distribution medium 50

## Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Inrush current	21 A
Inrush time	0.225 ms
Power Consumption	37 W
Power Factor (Fraction)	0.98
Connection	2 Push-in connector 5-pole
Cable	-
Number of products on MCB of 16 A type B	26

## Temperature

Ambient temperature range	-40 to +50 °C
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## 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 m <sup>2</sup>
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 until 6 kV differential mode and 8 kV common mode
Sustainability rating	Lighting for circularity
Protection class IEC	Safety class II

## 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	L96

## Application Conditions

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

## Product Data

Order product name	BGP282 LED59-4S/740 II DM50 D9 48/60S
Full product name	BGP282 LED59-4S/740 II DM50 D9 48/60S
Full product code	871951406040100
Order code	06040100
Material Nr. (12NC)	910925866609
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8719514060401
Numerator - Packs per outer box	1
EAN/UPC - Case	8719514060401

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## Dimensional drawing

