



# UniStreet gen2

## BGP280 LED50-1F/740 I DM10 48/60S

UniStreet gen2, Road & street light, 31 W, 4100 lm, 4000 K, CRI70, Distribution medium 10, Safety class I, IP66

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	LED50 [LED module 5000 lm]	protection device, optics, front cover and mechanical parts	
Light source replaceable	Yes	Warranty period	5 years
Number of gear units	1 unit	Sustainability rating	Signify Circle
Driver included	Yes		
Light source engine type	LED	Light Technical	
Service tag	Yes	Upward light output ratio	0
Lighting Technology	LED	Luminous Flux	4,100 lm
Value ladder	Specification	Correlated Color Temperature (Nom)	4000 K
Serviceability class	Class A, luminaire is equipped with serviceable parts (when applicable): LED board, driver, control units, surge	Luminous Efficacy (rated) (Nom)	132 lm/W
		Color rendering index (CRI)	70
		Light source color	740 neutral white

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Luminaire light beam spread	157° - 33° x 55°
Optic type outdoor	Distribution medium 10
Effective projected area	0.02274 m²

## Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Average CLO power consumption	- W
Inrush current	18 A
Inrush time	0.28 ms
Power Consumption	31 W
Power Factor (Fraction)	0.98
Connection	2 Push-in connector 5-pole
Cable	-
Number of products on MCB of 16 A type B	30
Protection class IEC	Safety class I
Surge Protection (Common/Differential)	Surge protection level until 6 kV differential mode and 8 kV common mode

## Controls and Dimming

Dimmable	No
Driver/power unit/transformer	Power supply unit (On/Off)
Control interface	-
Constant light output	No
Maximum dim level	0% (digital)

## Mechanical and Housing

Housing Material	Aluminum
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	379 mm
Overall width	232 mm
Overall height	92 mm
Dimensions (Height x Width x Depth)	92 x 232 x 379 mm
Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK08 [6 J]
Standard tilt angle posttop	0°

Standard tilt angle side entry	0°
Optical cover type	Flat glass
Net Weight (Piece)	3.600 kg

## Approval and Application

Flammability mark	For mounting on normally flammable surfaces
CE mark	Yes
ENEC mark	ENEC plus mark
EU RoHS compliant	Yes
Performance ambient temperature Tq	25 °C
Ambient temperature range	-40 to +50 °C

## Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-7%
Initial chromaticity	(0.38, 0.38) SDCM <5
Power consumption tolerance	+/-10%
Init. Color Rendering Index Tolerance	+/-3
Standard Deviation of Colour Matching (McAdam ellipse)	SDCM≤5

## Over Time Performance (IEC Compliant)

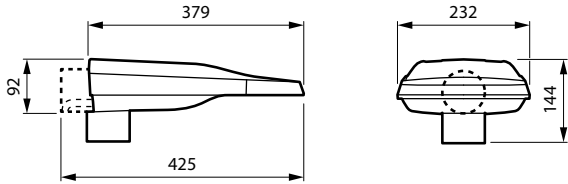
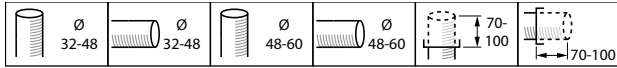
Control gear failure rate at median useful life 50000 h	5 %
Control gear failure rate at median useful life 100000 h	10 %
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 50000 h	L98
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 100000 h	L96

## Product Data

Order product name	BGP280 LED50-1F/740 I DM10 48/60S
Full product name	BGP280 LED50-1F/740 I DM10 48/60S
Full product code	871951462780200
Order code	910925868720
Material Nr. (12NC)	910925868720
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8719514627802
Numerator - Packs per outer box	1
EAN/UPC - Case	8719514627802
Product family code	BGP280 [UniStreet gen2 Nano]

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## Dimensional drawing



## Photometric data



Polar Normal (separate) - BGP2801 - 910925868726

