

UniStreet gen2

BGP281



The easy way to ledify your road lighting – UniStreet gen2

Designed for 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 Service tag and the SR (System Ready) Zhaga socket(s) makes it future-ready, and you can pair this luminaire with lighting control or sensors and software applications such as Interact City. Available with a significant 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 or generation 1 LED light sources. The compact luminaire, using high-quality materials is also easy to dismantle and recycle at the end of its lifetime.

Benefits

- 1 to 1 replacement for conventional luminaires
- Offers high efficiency and energy savings
- Made of high-quality materials for longer lifetime and minimized maintenance

Applications

- Roads and streets
- Residential streets

Features

- Good application coverage thanks to wide range of optics, tunable flux and tiltable spigot
- Easy luminaire identification due to the Service tag
- Future-ready thanks to the SR (System Ready) socket

- Luminaire is also equipped with dedicated light recipes that help with: 1) maintaining an optimal ecosystems for bats or 2) preserving a dark night sky and reduce light pollution
- Increased shock resistance with IK09 or optional IK10 glass cover

Versions



Product picture Lumistreet gen2 Medium



UniStreet LumiStreet gen2 Nano

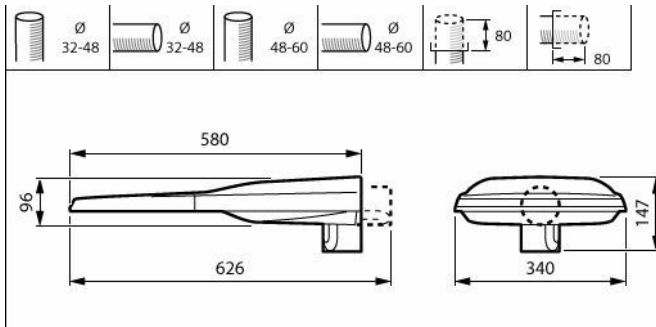


Product picture Lumistreet gen2 Mini

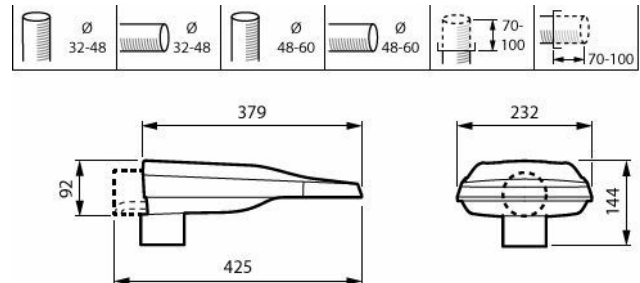


Product picture Lumistreet gen2 Micro

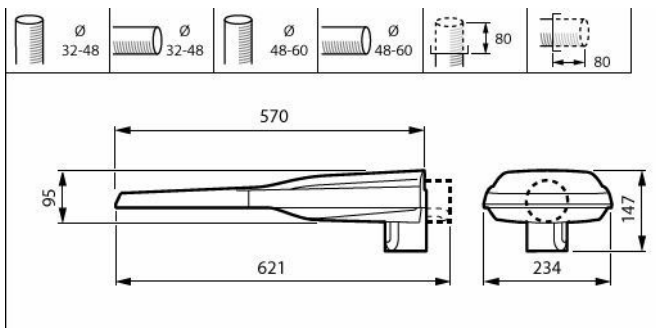
Dimensional drawing



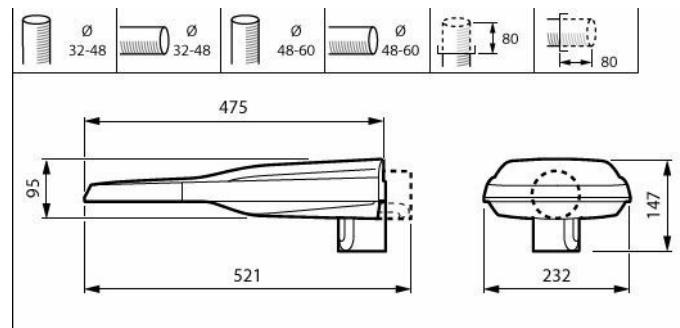
BGP283 LED120-4S/740 II DM50 D9 48/60S



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



BGP282 LED80-4S/740 I DM11 D948/60S



UniStreet gen2 Micro - dimensional drawing

Product details



UniStreet LumiStreet gen2
Nano top side view with
Zhaga sockets



UniStreet LumiStreet gen2
Nano profile view



Lumistreet gen2 Medium
bottom view



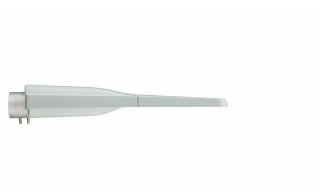
Lumistreet gen2 Medium
bottom view



UniStreet_LumiStreet_gen2



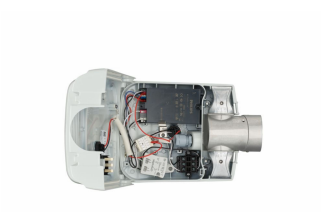
Lumistreet gen2 all sizes top
view



UniStreet_LumiStreet_gen2



Lumistreet gen2 Mini bottom
view



UniStreet LumiStreet gen2
Nano gear compartment



UniStreet_LumiStreet_gen2



UniStreet LumiStreet gen2
Nano spigot view



Bottom view for spigot
regulation and screw



UniStreet LumiStreet gen2
Nano spigot view



UniStreet LumiStreet gen2
Nano profile view with Zhaga
sockets



UniStreet LumiStreet gen2
Nano top view



UniStreet LumiStreet gen2
Nano bottom view



UniStreet LumiStreet gen2
Nano bottom view with louvre



Lumistreet gen2 Micro
bottom view



Lumistreet gen2 all sizes
bottom view



UniStreet LumiStreet gen2
Nano gear compartment



UniStreet LumiStreet gen2
Nano gear compartment



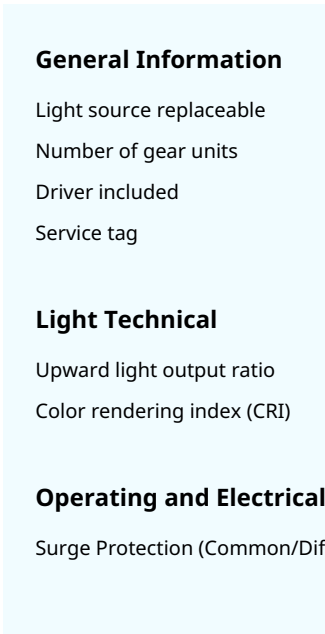
UniStreet_LumiStreet_gen2



Lumistreet gen2 all sizes
Sideview



Lumistreet gen2 all sizes
Sideview



Lumistreet gen2 spigot
regulation



Lumistreet gen2 spigot
regulation

General Information

Light source replaceable	Yes
Number of gear units	1 unit
Driver included	Yes
Service tag	Yes

Light Technical

Upward light output ratio	0
Color rendering index (CRI)	70

Operating and Electrical

Surge Protection (Common/Differential)	Surge protection level until 6 kV differential mode and 8 kV common mode
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Mechanical and Housing

Housing Color	Gray
Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Standard tilt angle posttop	0°
Standard tilt angle side entry	0°
Optical cover type	Flat glass

Approval and Application

Flammability mark	For mounting on normally flammable surfaces
CE mark	Yes

Over Time Performance (IEC Compliant)

Driver failure rate at 5000 h	0.5 %
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General Information

Order Code	Full Product Name	Lamp family code
910925866684	BGP283 LED120-4S/740 II DM50 D9 48/60S	LED120
910925868720	BGP280 LED50-1F/740 I DM10 48/60S	LED50
910925866752	BGP282 LED80-4S/740 I DM11 D948/60S	LED80
910925868107	BGP292 LED100-4S/730 II DM50 MSP 48/60S	LED100
910925868108	BGP292 LED100-4S/730 II DM50 48/60S	LED100
910925868105	BGP291 LED51-4S/730 II DM50 MSP 48/60S	LED51
910925868106	BGP291 LED51-4S/730 II DM50 48/60S	LED51

Light Technical

Order Code	Full Product Name	Luminous Flux	Correlated Color Temperature (Nom)	Light source color	Luminaire light beam spread	Optic type outdoor
910925866684	BGP283 LED120-4S/740 II DM50 D9 48/60S	10,440 lm	4000 K	740 neutral white	154° - 31° x 54°	Distribution medium 50
910925868720	BGP280 LED50-1F/740 I DM10 48/60S	4,100 lm	4000 K	740 neutral white	157° - 33° x 55°	Distribution medium 10
910925866752	BGP282 LED80-4S/740 I DM11 D948/60S	6,960 lm	4000 K	740 neutral white	160° - 42° x 54°	Distribution medium 11
910925868107	BGP292 LED100-4S/730 II DM50 MSP 48/60S	8,600 lm	3000 K	730 warm white	154° - 31° x 54°	Distribution medium 50
910925868108	BGP292 LED100-4S/730 II DM50 48/60S	8,600 lm	3000 K	730 warm white	154° - 31° x 54°	Distribution medium 50
910925868105	BGP291 LED51-4S/730 II DM50 MSP 48/60S	4,524 lm	3000 K	730 warm white	154° - 31° x 54°	Distribution medium 50
910925868106	BGP291 LED51-4S/730 II DM50 48/60S	4,524 lm	3000 K	730 warm white	154° - 31° x 54°	Distribution medium 50

Operating and Electrical

Order Code	Full Product Name	Power Consumption
910925866684	BGP283 LED120-4S/740 II DM50 D9 48/60S	67 W
910925868720	BGP280 LED50-1F/740 I DM10 48/60S	31 W
910925866752	BGP282 LED80-4S/740 I DM11 D948/60S	47 W
910925868107	BGP292 LED100-4S/730 II DM50 MSP 48/60S	61 W
910925868108	BGP292 LED100-4S/730 II DM50 48/60S	61 W
910925868105	BGP291 LED51-4S/730 II DM50 MSP 48/60S	32.5 W
910925868106	BGP291 LED51-4S/730 II DM50 48/60S	32.5 W

Controls and Dimming

Order Code	Full Product Name	Dimmable	Maximum dim level
910925866684	BGP283 LED120-4S/740 II DM50 D9 48/60S	No	0% (digital)
910925868720	BGP280 LED50-1F/740 I DM10 48/60S	No	0% (digital)
910925866752	BGP282 LED80-4S/740 I DM11 D948/60S	Yes	0% (digital)
910925868107	BGP292 LED100-4S/730 II DM50 MSP 48/60S	No	Programmable
910925868108	BGP292 LED100-4S/730 II DM50 48/60S	No	Programmable
910925868105	BGP291 LED51-4S/730 II DM50 MSP 48/60S	No	Programmable
910925868106	BGP291 LED51-4S/730 II DM50 48/60S	No	Programmable

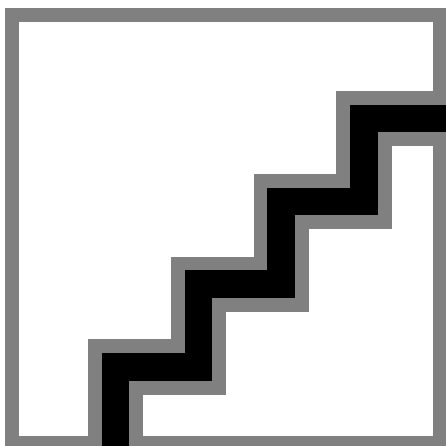
Mechanical and Housing

Order Code	Full Product Name	Mech. impact protection code
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910925868720	BGP280 LED50-1F/740 I DM10 48/60S	IK08
910925866752	BGP282 LED80-4S/740 I DM11 D948/60S	IK09
910925868107	BGP292 LED100-4S/730 II DM50 MSP 48/60S	IK09
910925868108	BGP292 LED100-4S/730 II DM50 48/60S	IK09
910925868105	BGP291 LED51-4S/730 II DM50 MSP 48/60S	IK09
910925868106	BGP291 LED51-4S/730 II DM50 48/60S	IK09

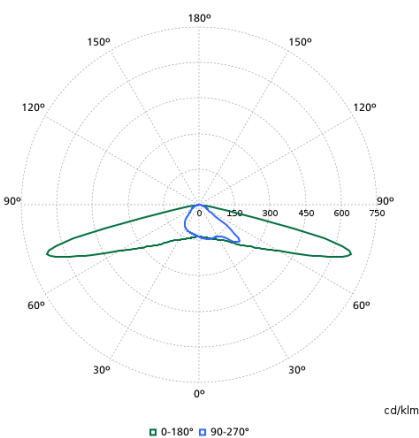
Product Data

Order Code	Full Product Name	Product family code
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910925868720	BGP280 LED50-1F/740 I DM10 48/60S	BGP280
910925866752	BGP282 LED80-4S/740 I DM11 D948/60S	BGP282
910925868107	BGP292 LED100-4S/730 II DM50 MSP 48/60S	BGP292
910925868108	BGP292 LED100-4S/730 II DM50 48/60S	BGP292
910925868105	BGP291 LED51-4S/730 II DM50 MSP 48/60S	BGP291
910925868106	BGP291 LED51-4S/730 II DM50 48/60S	BGP291

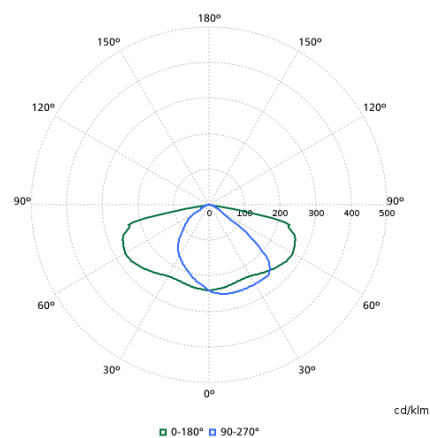
Polar normal diagrams



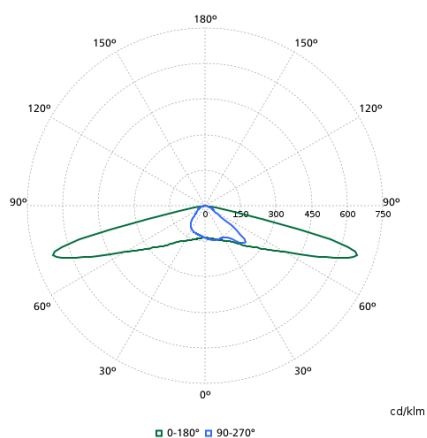
BGP280I - 910925868726



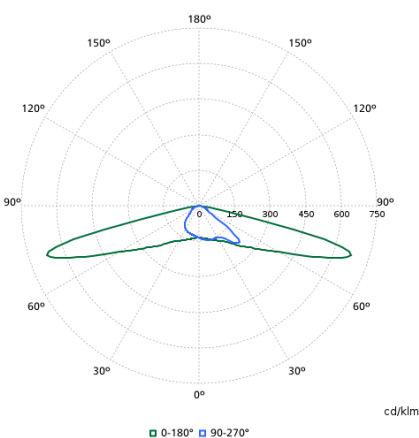
BGP283I - 910925866684



BGP282I - 910925866752



BGP281I - 910925868105



BGP282I - 910925868107