PHILIPS

Lighting

UniStreet gen2

BGP281 LED20-4S/740 II DM10 CLO-DDF2 D18

UNISTREET GEN2 MICRO - LED Module 2000 lm - 740 neutral white - Safety class II (II) - Distribution medium 10 - Side-entry for diameter 48-60 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	LED20 [LED Module 2000 lm]
Light source color	740 neutral white
Light source replaceable	Yes
Number of gear units	1 unit
Driver/power unit/transformer	PSDD-CLO [Power supply unit with DynaDimmer and constant light output (integrated)]
Driver included	Yes
Optical cover/lens type	FG [Flat glass]
Luminaire light beam spread	157° - 33° x 55°

Control interface	-
Connection	2 Push-in connector 5-pole
Cable	-
Protection class IEC	Safety class II (II)
Flammability mark	F [For mounting on normally flammable surfaces]
CE mark	CE mark
ENEC mark	ENEC plus mark
Warranty period	5 years
Optic type outdoor	Distribution medium 10

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Remarks	* At extreme ambient temperatures the luminaire might automatically dim down to protect components
Constant light output	Yes
Number of products on MCB of 16 A type B	29
EU RoHS compliant	Yes
Light source engine type	LED
Service tag	Yes
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
Product family code	BGP281 [UNISTREET GEN2 MICRO]

Light technical

Upward light output ratio	0
Standard tilt angle posttop	0°
Standard tilt angle side entry	0°

Operating and electrical

Input Voltage	220 to 240 V
Input Frequency	50 to 60 Hz
Initial CLO power consumption	13.2 W
Average CLO power consumption	13.4 W
End CLO power consumption	13.8 W
Inrush current	15 A
Inrush time	0.295 ms
Power Factor (Min)	0.98

Controls and dimming

Dimmable	Yes

Mechanical and housing

Housing Material	Aluminum die–cast
Reflector material	Polycarbonate
Optic material	Polymethyl methacrylate
Optical cover/lens material	Glass
Fixation material	Aluminum
Mounting device	48/60S [Side-entry for diameter 48-60 mm]
Optical cover/lens shape	Flat
Optical cover/lens finish	Clear
Overall length	520 mm
Overall width	234 mm
Overall height	95 mm
Effective projected area	0.0235 m²
Color	Gray
Dimensions (Height x Width x Depth)	95 x 234 x 520 mm (3.7 x 9.2 x 20.5 in)

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

Initial performance (IEC compliant)

Initial luminous flux (system flux)	1672 lm
Luminous flux tolerance	+/-7%
Initial LED luminaire efficacy	127 lm/W
Init. Corr. Color Temperature	4000 K
Init. Color Rendering Index	70
Initial chromaticity	(0.381, 0.379) SDCM <5
Initial input power	13.2 W
Power consumption tolerance	+/-10%
Init. Color Rendering Index Tolerance	+/-2

Over time performance (IEC compliant)

Control gear failure rate at median useful life 100000 h	10 %
Lumen maintenance at median useful life* 100000 h	L100

Application conditions

Ambient temperature range	-40 to +50 °C
Performance ambient temperature Tq	25 °C
Maximum dim level	0% (digital)

Product data

Full product code	871951410005300
Order product name	BGP281 LED20-4S/740 II DM10 CLO-DDF2 D18
EAN/UPC - Product	8719514100053
Order code	10005300
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1
Material Nr. (12NC)	910925866740
Net Weight (Piece)	4.100 kg

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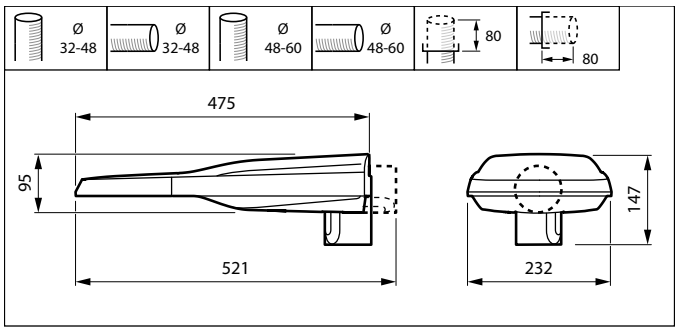
Dimensional drawing



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