



# UniStreet gen2 Solar

VGP283 80 4S/740 48V III DM10 48/60S

UniStreet gen2 Solar, Road & street light, 4000 K, CRI70, Distribution medium 10, Safety class III, IP66

Designed for large-scale projects, our luminaire is the ideal solution for municipalities who seek to meet their sustainability goals. Thanks to its energy efficiency and low initial cost, UniStreet gen2 Solar enables a fast payback and significant energy savings in a short period of time. All, by using the free, abundant solar power. UniStreet gen2 Solar, comes with several different optics and lumen packages customized to fit exact project requirements. Thanks to Service tag, you will enjoy the benefits of hassle free installation and maintenance while at the end of its lifetime our luminaire is ready to be dismantled and recycled. The compact luminaire, using high-quality materials is also easy to dismantle and recycle at the end of its lifetime

## Product data

General Information	
Light source replaceable	Yes
Driver included	No
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
Warranty period	5 years
Sustainability rating	Unclassified

Light Technical	
Upward light output ratio	0
Correlated Color Temperature (Nom)	4000 K
Color rendering index (CRI)	70
Number of light sources	2
Light source color	740 neutral white
Luminaire light beam spread	155° x 86°
Optic type outdoor	Distribution medium 10
Effective projected area	0.0246 m <sup>2</sup>

  

Sustainability Data	
Embedded carbon (A1-A3)	132 kg CO <sub>2</sub> e

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Recyclable content ratio of the finished product	66.2 %
Product non-virgin material ratio	7.04 %
GWP total B6 (kg CO2eq) Declared Unit	Please calculate using your local energy mix value: Power Declared Unit (kW) * Service life (hrs) Declared Unit * Energy mix (kg CO2eq / kwh)
GWP total B6 (kg CO2eq) Functional Unit	Please calculate using your local energy mix value: Power Declared Unit (kW) * 1000 (lm) / lumen output (lm) Declared Unit * 35000 (hrs) * Energy mix (kg CO2 eq / kwh)

## Operating and Electrical

Input Voltage	48 V
Connection	Connection unit 2-pole
Cable	-
Protection class IEC	Safety class III
Surge Protection (Common/Differential)	-

## Controls and Dimming

Dimmable	No
Configurability	Configurable
Control interface	-
Solar dimming profile	configurable via charge controller

## Mechanical and Housing

Housing Material	Aluminum die cast
Optic material	Polymethyl methacrylate
Optical cover material	Tempered 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	626 mm
Overall width	340 mm
Overall height	95 mm
Dimensions (Height x Width x Depth)	95 x 340 x 626 mm
Battery location	on-pole, in-ground
Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK08 [5 J vandal-protected]
Standard tilt angle posttop	-

Standard tilt angle side entry	0°
Optical cover type	Flat glass
Net Weight (Piece)	5.700 kg

## Approval and Application

Flammability mark	For mounting on normally flammable surfaces
CE mark	Yes
EU RoHS compliant	Yes
Ambient temperature range	-40 to +50 °C

## Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-7%
Initial chromaticity	(0.382, 0.380) SDCM <5
Init. Color Rendering Index Tolerance	+/-2
Standard Deviation of Colour Matching (McAdam ellipse)	SDCM≤5

## Over Time Performance (IEC Compliant)

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

## Product Data

Order product name	VGP283 80 4S/740 48V III DM10 48/60S
Full product name	VGP283 80 4S/740 48V III DM10 48/60S
Full product code	871951462373600
Order code	910925868309
Material Nr. (12NC)	910925868309
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8719514623736
Numerator - Packs per outer box	1
EAN/UPC - Case	8719514623736
Product family code	VGP283 [UNISTREET GEN2 MEDIUM SOLAR]

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## Dimensional drawing

