



VGP726 LED60/730 OG-  
BLE DM10 III DGR 76P

912300060593



## SunStay Pro gen2, Solar streetlight, 35.1 W, 5378 lm, 3000 K, CRI70, BLE, Distribution medium 10, SDP1, Safety class III, IP66

SunStay Pro gen2 solar street lights make it easier than ever to meet your sustainability targets. With an integrated solar panel and option for additional vertical PV panel, Lithium Ferro Phosphate (LFP) battery, these solar street lights also feature charger options for off-grid and hybrid operation. Sunstay Pro gen2 comes in wide range of color temperatures with dedicated light recipes that help to preserve dark skies. All in a distinctive luminaire housing design with a robust, long-lasting (PDC) aluminum housing. So you can bring light to areas without access to the electric grid for years to come. SunStay Pro gen2 solar lighting uses the latest LED technology for a long lifetime of 100,000 hours with best-in-class lumen maintenance @L95. The specially-designed pole mounting spigot offers different tilt angles, and the option for lateral and pole top mounting. With the Ledgine O optical platform you can also increase the distance between poles to reduce the total cost of ownership in a wide range of applications. Sunstay Pro gen2 is made for quick and simple installation with a re-designed cable feed through and top-down, tool-less access to the gear components for improved serviceability. And thanks to Signify Service tag, you have

access to all the documentation you need on site. Connectivity and dimming options are available, including a radar motion sensor mounted to automatically increase light levels when presence is detected. There's also the option to group and control neighboring street lights through an internal mesh network to increase light levels in case of presence or activity detection. What's more, VGP726 SunStay Pro gen2 Solar lighting is System Ready so it can be paired with lighting management systems such as Interact City at any point in the future. The all-in-one choice for today and tomorrow.

## Warnings and Safety

- To ensure performance and autonomy of streetlight, solar sizing calculation to be done by trained signify team or trained partner by signify team
- For effective performance of solar street light, photo voltaic panel should be exposed to sun all day and should not be installed under shadows

## General Information

Lamp family code	LED60 [LED module 6000 lm]
Light source replaceable	Yes
Driver included	Yes
Light source engine type	LED
Value ladder	Specification
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	Signify Circle

## Light Technical

Upward light output ratio	0
Luminous Flux	5,378 lm
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	153 lm/W
Color rendering index (CRI)	≥70
Light source color	730 warm white
Luminaire light beam spread	160° x 95°
Optic type outdoor	Distribution medium 10
Effective projected area	0.7 m <sup>2</sup>

## Operating and Electrical

Input Voltage	- V
Line Frequency	- Hz
Initial CLO power consumption	35.1 W
End CLO power consumption	35.1 W
Inrush current	0 A
Inrush time	0 ms
Power Consumption	35.1 W
Power Factor (Fraction)	0.95

Battery type	LFP
Battery ampere hour	30 Ah
Battery voltage	25.6 V
Battery charging & discharging cycles	2000
Panel type	Mono crystalline
Panel voltage	45 V
Panel peak wattage	73 W
Charge controller type	MPPT
Charge controller wattage	140 W
Cable connection kit	Included
Connection	-
Cable	-
Number of products on MCB of 16 A type B	-
Grid connection type	Off grid
Protection class IEC	Safety class III
Surge Protection (Common/Differential)	-

Mounting device	Spigot for diameter 76 to 62 mm
Optical cover shape	Flat
Optical cover finish	Clear
Overall length	965 mm
Overall width	480 mm
Overall height	245 mm
Dimensions (Height x Width x Depth)	245 x 480 x 965 mm
Battery location	on-pole
Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK09 [10 J]
Standard tilt angle posttop	0°
Standard tilt angle side entry	0°
Mounting	Pole top
Optical cover type	Glass
Net Weight (Piece)	29.800 kg

## Controls and Dimming

Dimmable	Yes
Control Interface	Step Dimming
Configurability	Configurable
Control interface	BLE
Constant light output	No
Autonomy	32 hour(s)
Maximum dim level	10%
Solar dimming profile	Step1 100%, Step 2 20%, Step 3 20%, Step FT 20%, Step 4 20%,
Embedded control	Solar dim profile version 1

## Mechanical and Housing

Housing Material	Aluminium die-cast LM6 - alloy grade (EN AC-44300)
Reflector material	-
Optic material	Polymethyl methacrylate
Optical cover material	Glass
Fixation material	Aluminum
Housing Color	Grey

## Approval and Application

Flammability mark	For mounting on normally flammable surfaces
CE mark	Yes
ENEC mark	ENEC plus mark
Photobiological risk	Photobiological risk group 2 @200mm to EN62778
Photobiological risk specification	2 m
EU RoHS compliant	Yes
Remarks	Battery pack has BMS inside
Ambient temperature range	-20 to +40 °C

## Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-7%
Initial chromaticity	(0,433, 0,403)
Power consumption tolerance	+/-10%

## Over Time Performance (IEC Compliant)

Lumen maintenance (EN-IEC 62722-2-1) at median useful life\* 35000 h

Lumen maintenance (EN-IEC 62722-2-1) at median useful life\* 75000 h

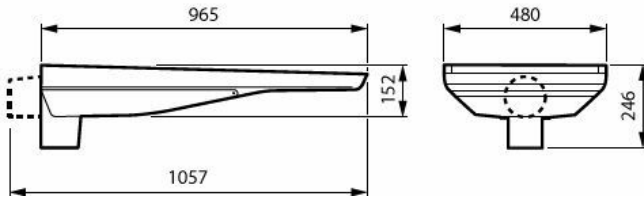
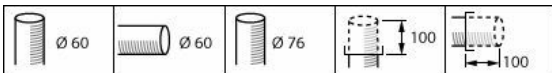
Lumen maintenance (EN-IEC 62722-2-1) at median useful life\* 100000 h L97

## Application Conditions

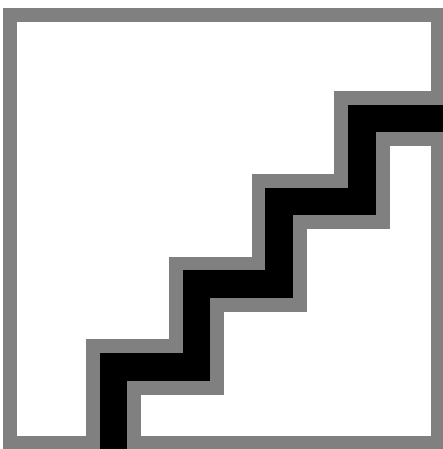
Ambient temperature range for charging 0 °C to 60 °C

Ambient temperature range for discharging (when light is on) -20 °C to 60 °C

## Dimensional drawing



## Polar normal diagrams



## Product Data

Order product name VGP726 LED60/730 OG-BLE DM10 III DGR 76P

Full product name VGP726 LED60/730 OG-BLE DM10 III DGR 76P

Full product code 872016979886100

Order code 912300060593

Material Nr. (12NC) 912300060593

Numerator - Quantity Per Pack 1

EAN/UPC - Product/Case 8720169798861

Numerator - Packs per outer box 1

EAN/UPC - Case 8720169798861

Product family code VGP726 [Sunstay Pro gen2]