



VGP724 LED30/740 HY-  
BLE DM10 DGR 60P

912300059288



## Sunstay Pro gen2 mini, Solar streetlight, 15.6 W, 2653 lm, 4000 K, CRI70, BLE, Distribution medium 10, SDP1, Safety class I, IP66

SunStay Pro gen2 mini solar streetlights 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 streetlights also feature charger options for off-grid and hybrid operation. SunStay Pro gen2 mini comes in wide range of colour temperatures with dedicated light recipes that help to preserve dark skies. All in a distinctive luminaire housing design with a robust, long lasting (PDC) aluminium housing. So, you can bring light to areas without access to the electric grid for years to come. SunStay Pro gen2 mini 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 optimised optical platform you can also increase the distance between poles to reduce the total cost of ownership in a wide range of applications. The SunStay Pro gen2 mini is made for quick-and-simple installation with a re-designed cable feed through and top-down, toolless 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 to automatically increase light levels when presence is detected. There's also the option to group and control neighbouring streetlights through an internal mesh network to increase light levels in case of presence or activity detection. What's more, VGP724 SunStay Pro gen2 mini solar lighting is System Ready so it can be paired with advanced lighting management systems such as Interact at any point in the future. The all-in-one choice for today and tomorrow

## Warnings and Safety

- To ensure the performance and autonomy of the streetlights, the solar sizing calculation must be done by a trained Signify team or Signify-trained partner
- For effective performance of solar street lights, a photo voltaic panel should be exposed to the sun all day and should not be installed in shadow

## General Information

Lamp family code	LED30 [LED module 3000 lm]
Light source replaceable	Yes
Driver included	Yes
Light source engine type	LED
Value ladder	Specification
Serviceability class	Class A, the 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

Upwards light output ratio	0
Luminous Flux	2,653 lm
Correlated Colour Temperature (Nom)	4000 K
Luminous efficacy (rated) (nom.)	170 lm/W
Colour rendering index (CRI)	≥70
Light source colour	740 neutral white
Luminaire light beam spread	160° x 95°
Optic type outdoor	Distribution medium 10
Effective projected area	0.1 m <sup>2</sup>

## Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 Hz
Initial CLO power consumption	15.6 W
End CLO power consumption	15.6 W
Inrush current	66 A
Inrush time	0.82 ms

Power Consumption	15.6 W
Power Factor (Fraction)	0.95
Battery type	LFP
Battery ampere hour	12 Ah
Battery voltage	25.6 V
Battery charging & discharging cycles	2000
Panel type	Mono crystalline
Panel voltage	38 V
Panel peak wattage	39 W
Charge controller type	MPPT
Charge controller wattage	140 W
Cable connection kit	Included
Connection	Plug-in connector 3-pole Wieland/Adels compatible
Cable	-
Number of products on MCB (16 A type B)	2
Grid connection type	Hybrid
Protection class IEC	Safety class I
Surge Protection (Common/Differential)	Surge protection level until 10 kV differential mode and 10 kV common mode kV

## Controls and Dimming

Dimmable	Yes
Control interface	Step Dimming
Configurability	Configurable
Control interface	BLE
Constant light output	No
Autonomy	20 h
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/lens material	Glass

Fixation material	Aluminium
Housing Colour	Grey
Mounting device	Spigot for diameter 60 mm
Optical cover/lens shape	Flat
Optical cover/lens finish	Clear
Overall length	762 mm
Overall width	380 mm
Overall height	245 mm
Dimensions (height x width x depth)	245 x 380 x 762 mm
Battery location	on-pole
Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK09 [10 J]
Standard tilt angle post-top	0°
Standard tilt angle side entry	0°
Mounting	Pole top
Optical cover type	Glass
Net Weight (Piece)	29.800 kg

## 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	(0,3818, 0,379)
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

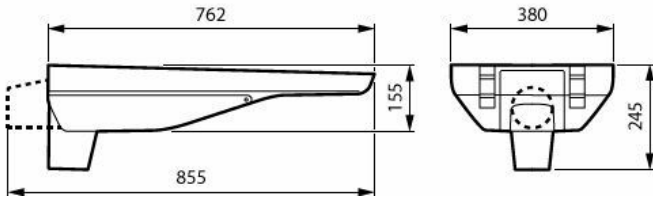
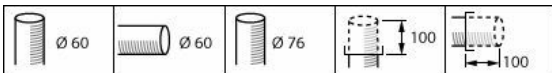
Lumen maintenance (EN-IEC 62722-2-1) at median useful life\* 100000 h L97

## Application Conditions

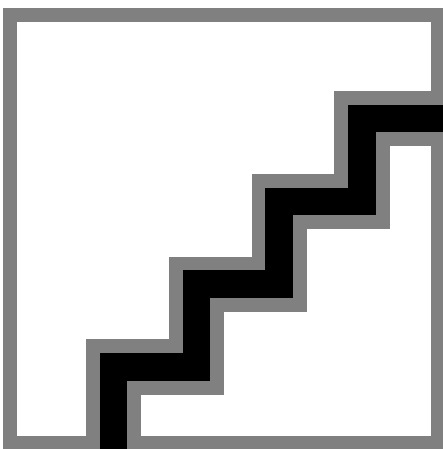
Ambient temperature range for charging 0 °C to 60 °C

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

## Dimensional drawing



## Polar normal diagrams



## Product Data

Order product name	VGP724 LED30/740 HY-BLE DM10 DGR 60P
Full product name	VGP724 LED30/740 HY-BLE DM10 DGR 60P
Full EOC	872016980985700
Order code	912300059288
Material no. (12 NC)	912300059288
Numerator – quantity per pack	1
EAN/UPC – Product/Case	8720169809857
Numerator – packs per outer box	1
EAN/UPC – Case	8720169809857
Product family code	VGP724 [SunStay Pro gen2 mini]