Signify

**Sunstay Pro gen2 mini**

VGP724

# SunStay Pro gen2 mini: all-in-one connected solar streetlight

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

## Benefits

- Bring light to areas with no access to the electric grid
- Preserve landscapes (no cabling trenches)
- Customise lighting thanks to LEDgine optimised platform
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- Reduce light pollution with dedicated light recipes
- Robust housing with high impact (IK09) and ingress protection (IP66)
- Saves 100% energy with off-grid operation (up to 90% in hybrid operation)

## Applications

- Cycle paths, footpaths and pedestrian crossings
- Urban and residential streets, roundabouts, parks and playgrounds
- Shopping areas
- Industrial areas, parking areas, petrol stations, airports, harbours, public transport areas

## Features

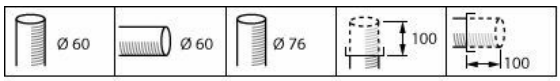
- Replaceable Lithium Ferro Phosphate battery for long life and hassle-free operations
- Choice of 40+ beams, internal louver options
- Specially designed pole mounting bracket with 0° to 15° tilt angles, 2.5° tilt precision, post top and lateral mounting positions
- Dimming profile setting and radar occupancy sensor maximise autonomy
- MPPT charge controller for maximum efficiency (off-grid and hybrid)
- Self-diagnostics, battery charging, discharging and cut-off LED indicators
- Future-ready with system-ready socket, Interact connectivity and sensor options

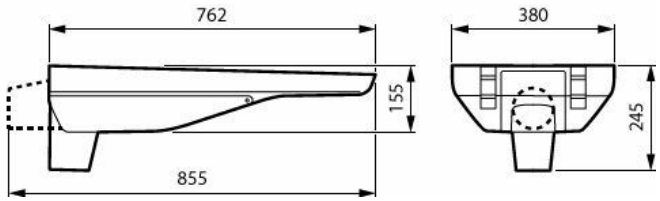
- To ensure the performance and autonomy of the streetlights, the solar sizing calculation must be done by a trained Signify team or Signify-trained partner
- For effective performance of solar street lights, a photo voltaic panel should be exposed to the sun all day and should not be installed in shadow

## Versions

SunStay Pro gen2 mini post top spigot with system ready socket

## Dimensional drawing




VGP724 LED30/740 HY-BLE DM10 DGR 60P

## Product details

SunStay Pro gen2 mini LEDgine optimized platform

SunStay Pro gen2 mini post top spigot

SunStay pro gen2 mini tooless clips

SunStay pro gen2 mini knife connector

SunStay Pro gen2 mini back view with system ready socket

## General Information

| | |
|---|---|
| Lamp family code | LED30 [LED module 3000 lm] |
| Light source replaceable | Yes |
| Driver included | Yes |
| Service Tag | Yes |

## Light Technical

| | |
|---|---|
| Upwards light output ratio | 0 |
| Colour rendering index (CRI) | ≥70 |
| Luminaire light beam spread | 160° x 95° |
| Optic type outdoor | Distribution medium 10 |

## Operating and Electrical

| | |
|---|---|
| Surge Protection (Common/ Differential) | Surge protection level until 10 kV differential mode and 10 kV common mode kV |

## Controls and Dimming

| | |
|---|---|
| Dimmable | Yes |
| Maximum dim level | 10% |

## Mechanical and Housing

| | |
|---|---|
| Housing Colour | Grey |
| 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° |
| Optical cover type | Glass |

## Approval and Application

| | |
|---|---|
| Flammability mark | For mounting on normally flammable surfaces |
| CE mark | Yes |

## Product Data

| | |
|---|---|
| Product family code | VGP724 [SunStay Pro gen2 mini] |

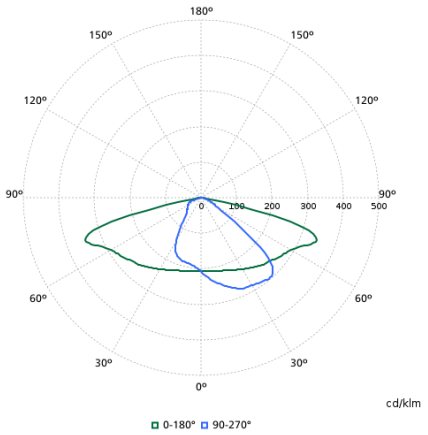
## Light Technical

| Order Code | Full Product Name | Luminous Flux | Correlated Colour Temperature (Nom) | Light source colour |
|---|---|---|---|---|
| 912300059286 | VGP724 LED30/730 HY-BLE DM10 DGR 60P | 2,650 lm | 3000 K | 730 warm white |
| 912300059288 | VGP724 LED30/740 HY-BLE DM10 DGR 60P | 2,653 lm | 4000 K | 740 neutral white |
| 912300059290 | VGP724 LED30/727 HY-BLE DM10 DGR 60P | 2,640 lm | 2700 K | 727 warm white |

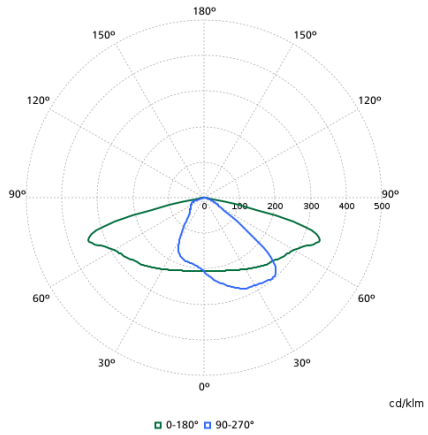
## Operating and Electrical

| Order Code | Full Product Name | Power Consumption |
|---|---|---|
| 912300059286 | VGP724 LED30/730 HY-BLE DM10 DGR 60P | 16.6 W |
| 912300059288 | VGP724 LED30/740 HY-BLE DM10 DGR 60P | 15.6 W |
| 912300059290 | VGP724 LED30/727 HY-BLE DM10 DGR 60P | 18.3 W |

## Polar normal diagrams




VGP724N - 912300059288

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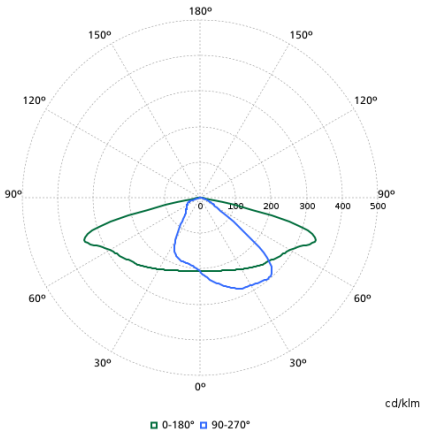


VGP724N - 912300059290

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