SunStay Pro gen2: All-in-one connected solar street light

SunStay Pro gen2

Philips 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 Philips 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.

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Benefits
· Bring light to areas with no access to electric grid
· Preserve landscapes (no cabling trenches)
· Customize lighting thanks to Ledgine O platform
· Reduce light pollution with dedicated light recipes
· Robust housing with high impact (IK08) and ingress protection (IP66)
· Saves 100% energy with off-grid operation (upto 90% in hybrid operation)

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 maximize autonomy
· MPPT charge controller for maximum efficiency (off-grid and hybrid)
· Self-diagnostics, battery charging, discharging and cut-off LED indicators
· Future ready with SR socket, Interact City connectivity and Philips sensor options

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

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

Dimensional drawing
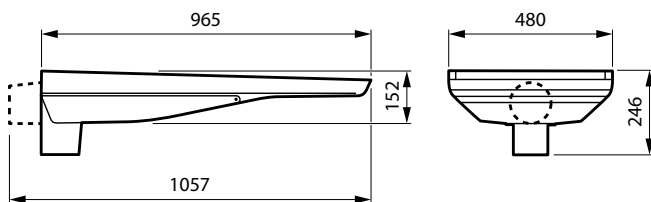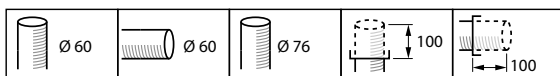
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Product details

VGP726 Sunstay Pro gen2 DP

SunStay Pro _ Post Top Entry

SunStay_Pro_Top open

SunStay Pro _ Side Entry

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General Information

Driver included	Yes
Light source replaceable	Yes

Light Technical

Luminaire light beam spread	160° x 95°
Color rendering index (CRI)	70
Optic type outdoor	Distribution medium 10
Upward light output ratio	0

Controls and Dimming

Dimmable	Yes

Mechanical and Housing

Optical cover type	Glass
Housing Color	Grey
Mech. impact protection code	IK09
Ingress protection code	IP66
Standard tilt angle side entry	0°
Standard tilt angle posttop	0°

Approval and Application

CE mark	Yes
Flammability mark	For mounting on normally flammable surfaces

Product Data

Product family code	VGP726

General Information

Order Code	Full Product Name	Lamp family code
912300060592	VGP726 LED30/730 OG-BLE DM10 III DGR 76P	LED30-4S
912300060593	VGP726 LED60/730 OG-BLE DM10 III DGR 76P	LED60-4S
912300060594	VGP726 LED40/730 HY-BLE DM10 DGR 76P 12A	LED40-4S
912300060595	VGP726 LED80/730 HY-BLE DM10 DGR 76P 18A	LED80-4S
912300060596	VGP726 LED30/740 OG-BLE DM10 III DGR 76P	LED30-4S
912300060597	VGP726 LED60/740 OG-BLE DM10 III DGR 76P	LED60-4S
912300060598	VGP726 LED40/740 HY-BLE DM10 DGR 76P 12A	LED40-4S
912300060599	VGP726 LED80/740 HY-BLE DM10 DGR 76P 18A	LED80-4S

Light Technical

Order Code	Full Product Name	Light source color	Correlated Color Temperature (Nom)	Luminous Flux	Order Code	Full Product Name	Light source color	Correlated Color Temperature (Nom)	Luminous Flux
912300060592	VGP726 LED30/730 OG-BLE DM10 III DGR 76P	730 warm white	3000 K	2,706 lm	912300060596	VGP726 LED30/740 OG-BLE DM10 III DGR 76P	740 neutral white	4000 K	2,707 lm
912300060593	VGP726 LED60/730 OG-BLE DM10 III DGR 76P	730 warm white	3000 K	5,378 lm	912300060597	VGP726 LED60/740 OG-BLE DM10 III DGR 76P	740 neutral white	4000 K	5,384 lm
912300060594	VGP726 LED40/730 HY-BLE DM10 DGR 76P 12A	730 warm white	3000 K	3,597 lm	912300060598	VGP726 LED40/740 HY-BLE DM10 DGR 76P 12A	740 neutral white	4000 K	3,600 lm
912300060595	VGP726 LED80/730 HY-BLE DM10 DGR 76P 18A	730 warm white	3000 K	7,120 lm	912300060599	VGP726 LED80/740 HY-BLE DM10 DGR 76P 18A	740 neutral white	4000 K	7,134 lm

Operating and Electrical

SunStay Pro gen2

| Order Code	Full Product Name	Power Consumption	Surge Protection (Common/Differential)	Order Code	Full Product Name	Power Consumption	Surge Protection (Common/Differential)
912300060592	VGP726 LED30/730 OG-BLE DM10 III DGR 76P	18.3 W	–	912300060596	VGP726 LED30/740 OG-BLE DM10 III DGR 76P	17.1 W	–
912300060593	VGP726 LED60/730 OG-BLE DM10 III DGR 76P	35.1 W	–	912300060597	VGP726 LED60/740 OG-BLE DM10 III DGR 76P	32.7 W	–
912300060594	VGP726 LED40/730 HY-BLE DM10 DGR 76P 12A	25 W	Surge protection level until 10 kV differential mode and 10 kV common mode kV	912300060598	VGP726 LED40/740 HY-BLE DM10 DGR 76P 12A	23.3 W	Surge protection level until 10 kV differential mode and 10 kV common mode kV
912300060595	VGP726 LED80/730 HY-BLE DM10 DGR 76P 18A	48.4 W	Surge protection level until 10 kV differential mode and 10 kV common mode kV	912300060599	VGP726 LED80/740 HY-BLE DM10 DGR 76P 18A	45.1 W	Surge protection level until 10 kV differential mode and 10 kV common mode kV

Controls and Dimming

| Order Code	Full Product Name	Maximum dim level	Order Code	Full Product Name	Maximum dim level
912300060592	VGP726 LED30/730 OG-BLE DM10 III DGR 76P	20%	912300060596	VGP726 LED30/740 OG-BLE DM10 III DGR 76P	20%
912300060593	VGP726 LED60/730 OG-BLE DM10 III DGR 76P	10%	912300060597	VGP726 LED60/740 OG-BLE DM10 III DGR 76P	10%
912300060594	VGP726 LED40/730 HY-BLE DM10 DGR 76P 12A	20%	912300060598	VGP726 LED40/740 HY-BLE DM10 DGR 76P 12A	20%
912300060595	VGP726 LED80/730 HY-BLE DM10 DGR 76P 18A	10%	912300060599	VGP726 LED80/740 HY-BLE DM10 DGR 76P 18A	10%

Polar Wide Diagrams
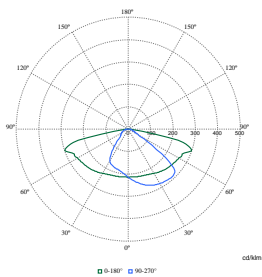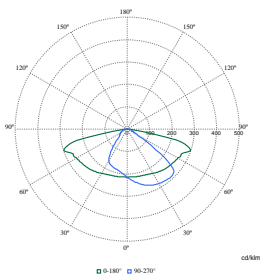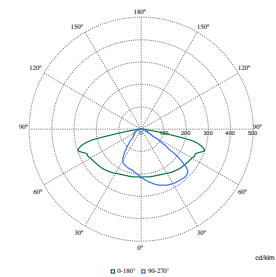
Polar Normal (separate) – VGP726N – 912300060593

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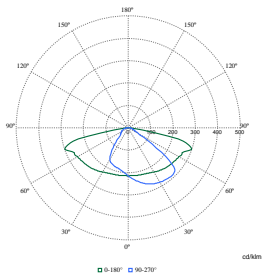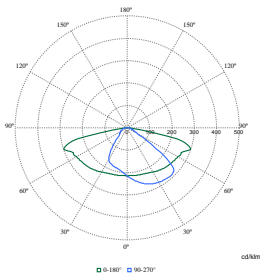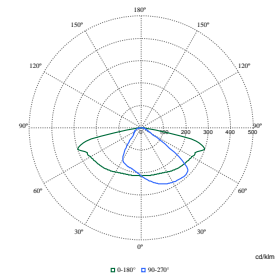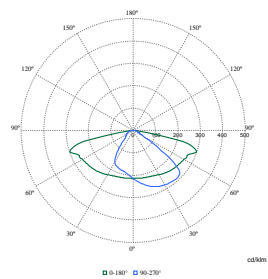

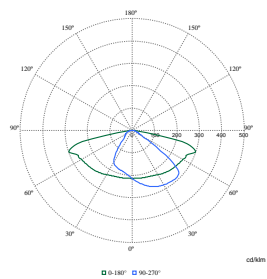**Polar Normal (separate) – VGP726N – 912300060599**

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Polar Normal (separate) – VGP726N – 912300060592

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Polar Wide Diagrams

**Polar Normal (separate) – VGP726N –
912300060596**

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912300060598**

www.lighting.philips.com

2025, May 26 – data subject to change