



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 Ledge 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.

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

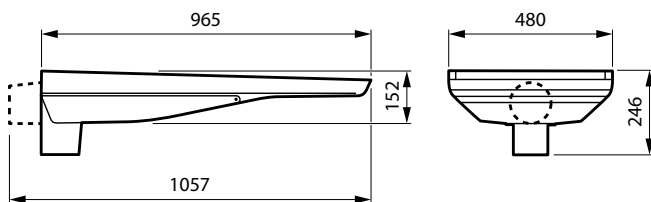
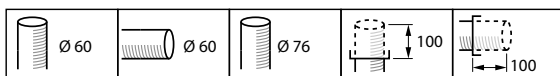
Application

- 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



SunStay Pro gen2

Product details



VGP726 Sunstay Pro gen2 DP



SunStay Pro _ Post Top Entry



SunStay_Pro_Top open



SunStay Pro _ Side Entry

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
79885400	VGP726 LED30/730 OG-BLE DM10 III DGR 76P	LED30-4S
79886100	VGP726 LED60/730 OG-BLE DM10 III DGR 76P	LED60-4S
79887800	VGP726 LED40/730 HY-BLE DM10 DGR 76P 12A	LED40-4S
79888500	VGP726 LED80/730 HY-BLE DM10 DGR 76P 18A	LED80-4S
79889200	VGP726 LED30/740 OG-BLE DM10 III DGR 76P	LED30-4S
79890800	VGP726 LED60/740 OG-BLE DM10 III DGR 76P	LED60-4S
79891500	VGP726 LED40/740 HY-BLE DM10 DGR 76P 12A	LED40-4S
79892200	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
79885400	VGP726 LED30/730 OG-BLE DM10 III DGR 76P	730 warm white	3000 K	2,706 lm
79886100	VGP726 LED60/730 OG-BLE DM10 III DGR 76P	730 warm white	3000 K	5,378 lm
79887800	VGP726 LED40/730 HY-BLE DM10 DGR 76P 12A	730 warm white	3000 K	3,597 lm
79888500	VGP726 LED80/730 HY-BLE DM10 DGR 76P 18A	730 warm white	3000 K	7,120 lm

Order Code	Full Product Name	Light source color	Correlated Color	
			Temperature (Nom)	Luminous Flux
79889200	VGP726 LED30/740 OG-BLE DM10 III DGR 76P	740 neutral white	4000 K	2,707 lm
79890800	VGP726 LED60/740 OG-BLE DM10 III DGR 76P	740 neutral white	4000 K	5,384 lm
79891500	VGP726 LED40/740 HY-BLE DM10 DGR 76P 12A	740 neutral white	4000 K	3,600 lm
79892200	VGP726 LED80/740 HY-BLE DM10 DGR 76P 18A	740 neutral white	4000 K	7,134 lm

Operating and Electrical

Order Code	Full Product Name	Power	Surge Protection
		Consumption	(Common/Differential)
79885400	VGP726 LED30/730 OG-BLE DM10 III DGR 76P	18.3 W	-

Order Code	Full Product Name	Power	Surge Protection
		Consumption	(Common/Differential)
79886100	VGP726 LED60/730 OG-BLE DM10 III DGR 76P	35.1 W	-

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Order Code	Full Product Name	Power Consumption	Surge Protection (Common/Differential)
79887800	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
79888500	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
79889200	VGP726 LED30/740 OG-BLE DM10 III DGR 76P	17.1 W	-

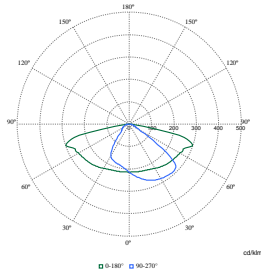
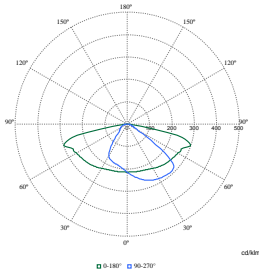
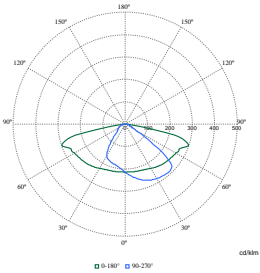
Order Code	Full Product Name	Power Consumption	Surge Protection (Common/Differential)
79890800	VGP726 LED60/740 OG-BLE DM10 III DGR 76P	32.7 W	-
79891500	VGP726 LED40/740 HY-BLE DM10 DGR 76P 12A	23.3 W	Surge protection level until 10 kV differential mode and 10 kV common mode kV
79892200	VGP726 LED80/740 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
79885400	VGP726 LED30/730 OG-BLE DM10 III DGR 76P	20%
79886100	VGP726 LED60/730 OG-BLE DM10 III DGR 76P	10%
79887800	VGP726 LED40/730 HY-BLE DM10 DGR 76P 12A	20%
79888500	VGP726 LED80/730 HY-BLE DM10 DGR 76P 18A	10%

Order Code	Full Product Name	Maximum dim level
79889200	VGP726 LED30/740 OG-BLE DM10 III DGR 76P	20%
79890800	VGP726 LED60/740 OG-BLE DM10 III DGR 76P	10%
79891500	VGP726 LED40/740 HY-BLE DM10 DGR 76P 12A	20%
79892200	VGP726 LED80/740 HY-BLE DM10 DGR 76P 18A	10%

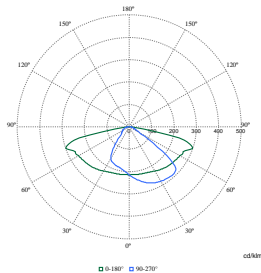
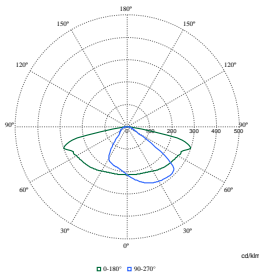
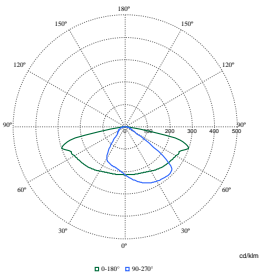
Polar Wide Diagrams



Polar Normal (separate) - VGP726N - 912300060593

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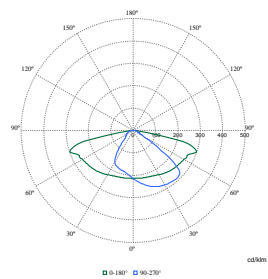


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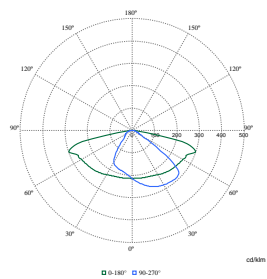
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Polar Wide Diagrams



Polar Normal (separate) - VGP726N -
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Polar Normal (separate) - VGP726N -
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