



SunStay Pro: All-in-one solar street light

SunStay Pro

Philips SunStay Pro 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 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 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 new Ledgine Flex 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 is made for quick and simple installation with a re-designed feed through cable 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, VGP725 SunStay Pro 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 Flex
- 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

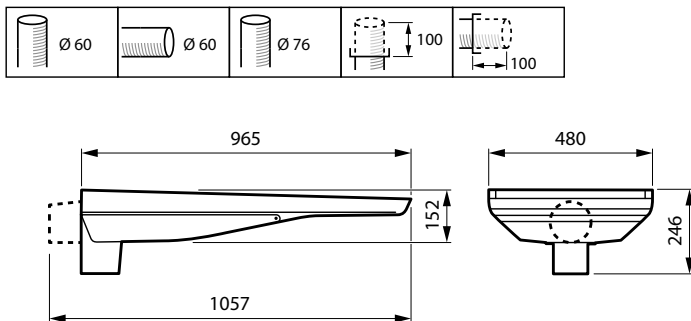
Application

- 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 proper autonomy, solar sizing calculation to be done by trained signify team or trained partner by signify team

Dimensional drawing



Product details



SunStay Pro _ Post Top Entry



SunStay_Pro_PT_OSB



SunStay_Pro_PT_OLC



SunStay_Pro_topview_OLC



SunStay_Pro_Top open



SunStay Pro _ Side Entry



SunStay_Pro_Bottomview_OSB

General Information	
CE mark	Yes
Driver included	Yes
Flammability mark	For mounting on normally flammable surfaces
Light source replaceable	Yes
Product family code	VGP725
Light Technical	
Luminaire light beam spread	155° x 86°
Optical cover type	Glass
Color rendering index (CRI)	70
Optic type outdoor	Distribution medium 10
Standard tilt angle side entry	-
Standard tilt angle posttop	0°
Upward light output ratio	0
Controls and Dimming	
Dimmable	Yes
Mechanical and Housing	
Housing Color	Gray
Approval and Application	
Mech. impact protection code	IK09
Ingress protection code	IP66
Application Conditions	
Maximum dim level	Programmable

General Information

Order Code	Full Product Name	Lamp family code
912300060311	VGP725 LED30/730 OG-BLE DM10 III DGR 76P	LED30
912300060312	VGP725 LED60/730 OG-BLE DM10 III DGR 76P	LED60
912300060313	VGP725 LED40/730 HY-BLE DM10 DGR 76P 12A	LED40
912300060314	VGP725 LED80/730 HY-BLE DM10 DGR 76P 18A	LED80
912300060315	VGP725 LED30/740 OG-BLE DM10 III DGR 76P	LED30
912300060316	VGP725 LED60/740 OG-BLE DM10 III DGR 76P	LED60
912300060317	VGP725 LED40/740 HY-BLE DM10 DGR 76P 12A	LED40
912300060318	VGP725 LED80/740 HY-BLE DM10 DGR 76P 18A	LED80

Light Technical

Order Code	Full Product Name	Light source	Correlated Color Temperature	Luminous
		color	(Nom)	Flux
912300060311	VGP725 LED30/730 OG-BLE DM10 III DGR 76P	730 warm white	3000 K	2,745 lm
912300060312	VGP725 LED60/730 OG-BLE DM10 III DGR 76P	730 warm white	3000 K	5,490 lm
912300060313	VGP725 LED40/730 HY-BLE DM10 DGR 76P 12A	730 warm white	3000 K	3,660 lm
912300060314	VGP725 LED80/730 HY-BLE DM10 DGR 76P 18A	730 warm white	3000 K	7,321 lm
912300060315	VGP725 LED30/740 OG-BLE DM10 III DGR 76P	740 neutral white	4000 K	2,745 lm

Order Code	Full Product Name	Light source	Correlated Color Temperature	Luminous
		color	(Nom)	Flux
912300060316	VGP725 LED60/740 OG-BLE DM10 III DGR 76P	740 neutral white	4000 K	5,490 lm
912300060317	VGP725 LED40/740 HY-BLE DM10 DGR 76P 12A	740 neutral white	4000 K	3,660 lm
912300060318	VGP725 LED80/740 HY-BLE DM10 DGR 76P 18A	740 neutral white	4000 K	7,321 lm

Operating and Electrical

Order Code	Full Product Name	Power Consumption
912300060311	VGP725 LED30/730 OG-BLE DM10 III DGR 76P	17 W
912300060312	VGP725 LED60/730 OG-BLE DM10 III DGR 76P	37.4 W
912300060313	VGP725 LED40/730 HY-BLE DM10 DGR 76P 12A	23.4 W
912300060314	VGP725 LED80/730 HY-BLE DM10 DGR 76P 18A	53.1 W

Order Code	Full Product Name	Power Consumption
912300060315	VGP725 LED30/740 OG-BLE DM10 III DGR 76P	17 W
912300060316	VGP725 LED60/740 OG-BLE DM10 III DGR 76P	37.4 W
912300060317	VGP725 LED40/740 HY-BLE DM10 DGR 76P 12A	23.4 W
912300060318	VGP725 LED80/740 HY-BLE DM10 DGR 76P 18A	53.1 W

Approval and Application

Order Code	Full Product Name	Surge Protection (Common/Differential)
912300060311	VGP725 LED30/730 OG-BLE DM10 III DGR 76P	-
912300060312	VGP725 LED60/730 OG-BLE DM10 III DGR 76P	-
912300060313	VGP725 LED40/730 HY-BLE DM10 DGR 76P 12A	Surge protection level until 10 kV
912300060314	VGP725 LED80/730 HY-BLE DM10 DGR 76P 18A	Surge protection level until 10 kV

Order Code	Full Product Name	Surge Protection (Common/Differential)
912300060315	VGP725 LED30/740 OG-BLE DM10 III DGR 76P	-
912300060316	VGP725 LED60/740 OG-BLE DM10 III DGR 76P	-
912300060317	VGP725 LED40/740 HY-BLE DM10 DGR 76P 12A	Surge protection level until 10 kV
912300060318	VGP725 LED80/740 HY-BLE DM10 DGR 76P 18A	Surge protection level until 10 kV

