



# **SunStay Pro: All-in-one solar street light**

## **SunStay Pro**

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 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.

# SunStay Pro

## 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 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

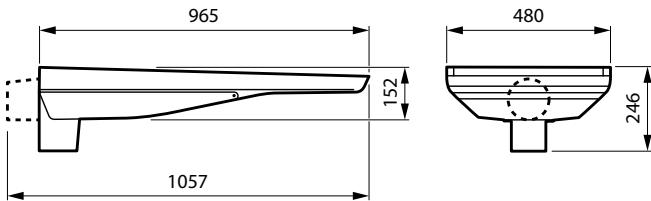
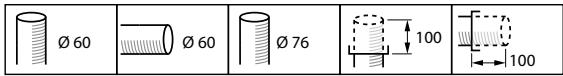
## Versions



SunStay Pro

# SunStay Pro

## 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

## Product details

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

## Light Technical

Order Code	Full Product Name	Light source		Correlated Color	
		color	(Nom)	Temperature	Luminous Flux
912300060311	VGP725 LED30-4S/730 OG DM10 III DGR 76P	730 warm	3000 K	2,744 lm	
912300060312	VGP725 LED60-4S/730 OG DM10 III DGR 76P	730 warm	3000 K	5,443 lm	
912300060314	VGP725 LED80-4S/730 HY DM10 DGR 76P 18A	730 warm	3000 K	7,194 lm	
912300060315	VGP725 LED30-4S/740 OG DM10 III DGR 76P	740 neutral	4000 K	2,745 lm	

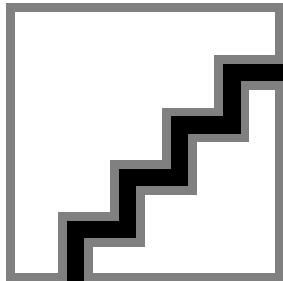
Order Code	Full Product Name	Light source		Correlated Color	
		color	(Nom)	Temperature	Luminous Flux
912300060316	VGP725 LED60-4S/740 OG DM10 III DGR 76P	740 neutral	4000 K	5,445 lm	
912300060317	VGP725 LED40-4S/740 HY DM10 DGR 76P 12A	740 neutral	4000 K	3,637 lm	
912300060318	VGP725 LED80-4S/740 HY DM10 DGR 76P 18A	740 neutral	4000 K	7,202 lm	

## Operating and Electrical

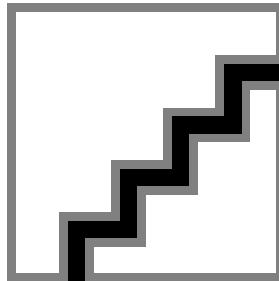
Order Code	Full Product Name	Power Consumption		Surge Protection	
		(Common/	Differential)	(Common/	Differential)
912300060311	VGP725 LED30-4S/730 OG DM10 III DGR 76P	16.7 W	-		
912300060312	VGP725 LED60-4S/730 OG DM10 III DGR 76P	33.2 W	-		
912300060314	VGP725 LED80-4S/730 HY DM10 DGR 76P 18A	45.5 W	Surge protection level until 10 kV		
912300060315	VGP725 LED30-4S/740 OG DM10 III DGR 76P	15.9 W	-		

Order Code	Full Product Name	Power Consumption		Surge Protection	
		(Common/	Differential)	(Common/	Differential)
912300060316	VGP725 LED60-4S/740 OG DM10 III DGR 76P	31.7 W	-		
912300060317	VGP725 LED40-4S/740 HY DM10 DGR 76P 12A	21.8 W	Surge protection level until 10 kV		
912300060318	VGP725 LED80-4S/740 HY DM10 DGR 76P 18A	43.4 W	Surge protection level until 10 kV		

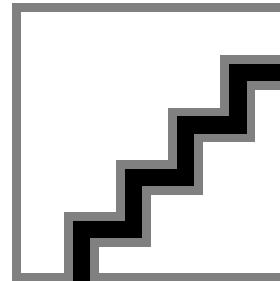
## Polar Wide Diagrams



Polar Normal (separate) - VGP725I -  
912300060316

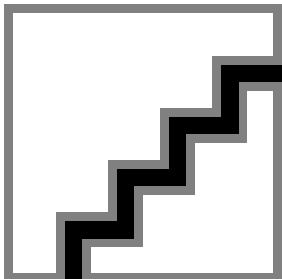


Polar Normal (separate) - VGP725I -  
912300060311

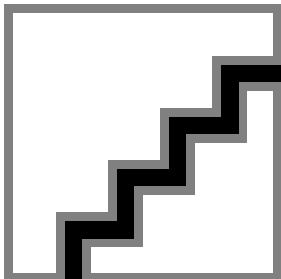


Polar Normal (separate) - VGP725I -  
912300060312

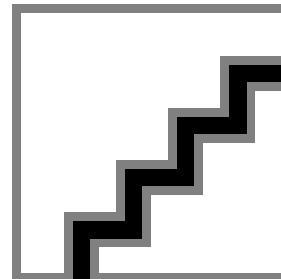
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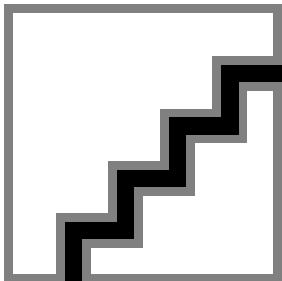
Polar Normal (separate) - VGP725I -  
912300060314



Polar Normal (separate) - VGP725I -  
912300060318



Polar Normal (separate) - VGP725I -  
912300060315



Polar Normal (separate) - VGP725I -  
912300060317

