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.

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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 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
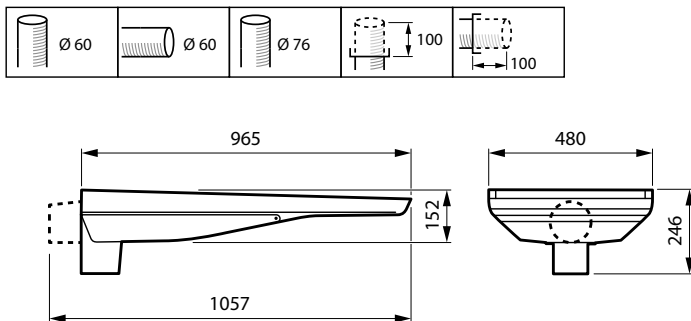· Future ready with SR socket, Interact City connectivity and sensor options

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

Dimensional drawing

SunStay Pro

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

SunStay Pro

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

General Information

Order Code	Full Product Name	Lamp family code
05319900	VGP725 LED30-4S/730 OG DM10 III DGR 76P	LED30
05320500	VGP725 LED60-4S/730 OG DM10 III DGR 76P	LED60
05322900	VGP725 LED80-4S/730 HY DM10 DGR 76P 18A	LED80
05323600	VGP725 LED30-4S/740 OG DM10 III DGR 76P	LED30
05324300	VGP725 LED60-4S/740 OG DM10 III DGR 76P	LED60
05325000	VGP725 LED40-4S/740 HY DM10 DGR 76P 12A	LED40
05326700	VGP725 LED80-4S/740 HY DM10 DGR 76P 18A	LED80

Light Technical

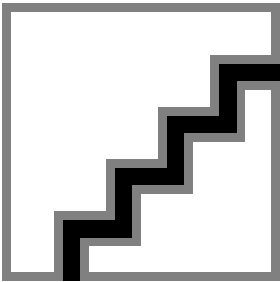| Order Code	Full Product Name	Light source color	Correlated Color Temperature (Nom)	Luminous Flux
05319900	VGP725 LED30-4S/730 OG DM10 III DGR 76P	730 warm white	3000 K	2,744 lm
05320500	VGP725 LED60-4S/730 OG DM10 III DGR 76P	730 warm white	3000 K	5,443 lm
05322900	VGP725 LED80-4S/730 HY DM10 DGR 76P 18A	730 warm white	3000 K	7,194 lm
05323600	VGP725 LED30-4S/740 OG DM10 III DGR 76P	740 neutral white	4000 K	2,745 lm

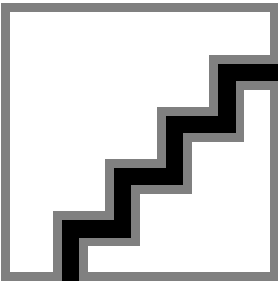| Order Code	Full Product Name	Light source color	Correlated Color Temperature (Nom)	Luminous Flux
05324300	VGP725 LED60-4S/740 OG DM10 III DGR 76P	740 neutral white	4000 K	5,445 lm
05325000	VGP725 LED40-4S/740 HY DM10 DGR 76P 12A	740 neutral white	4000 K	3,637 lm
05326700	VGP725 LED80-4S/740 HY DM10 DGR 76P 18A	740 neutral white	4000 K	7,202 lm

Operating and Electrical

SunStay Pro

Order Code	Full Product Name	Power Consumption	Surge Protection (Common/ Differential)
05319900	VGP725 LED30-4S/730 OG DM10 III DGR 76P	16.7 W	-
05320500	VGP725 LED60-4S/730 OG DM10 III DGR 76P	33.2 W	-
05322900	VGP725 LED80-4S/730 HY DM10 DGR 76P 18A	45.5 W	Surge protection level until 10 kV
05323600	VGP725 LED30-4S/740 OG DM10 III DGR 76P	15.9 W	-

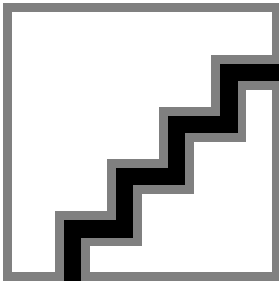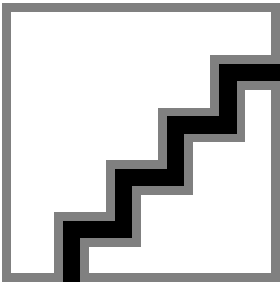| Order Code	Full Product Name	Power Consumption	Surge Protection (Common/ Differential)
05324300	VGP725 LED60-4S/740 OG DM10 III DGR 76P	31.7 W	-
05325000	VGP725 LED40-4S/740 HY DM10 DGR 76P 12A	21.8 W	Surge protection level until 10 kV
05326700	VGP725 LED80-4S/740 HY DM10 DGR 76P 18A	43.4 W	Surge protection level until 10 kV

Polar Wide Diagrams

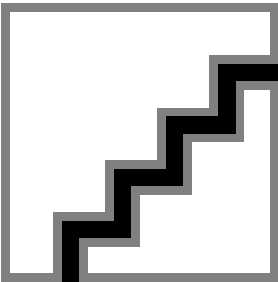Polar Normal (separate) – VGP725I – 912300060316
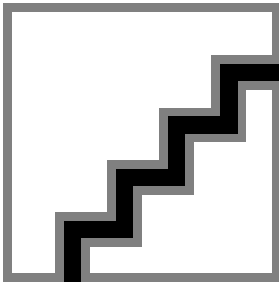
Polar Normal (separate) – VGP725I – 912300060311

Polar Normal (separate) – VGP725I – 912300060312

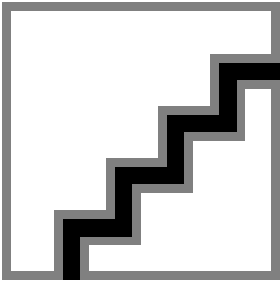Polar Normal (separate) – VGP725I – 912300060314

Polar Normal (separate) – VGP725I – 912300060318

Polar Normal (separate) – VGP725I – 912300060315

Polar Wide Diagrams

Polar Normal (separate) – VGP725I –
912300060317

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2025, December 13 – data subject to change