SunStay Pro

VGP725 LED60-4S/730 OG DM10 III DGR 76P

VGP725 | SunStay Pro, LED60 | LED module 6000 lm, LED, 33.2 W, Distribution medium 10, Glass, 155° x 86°, BLE, Post-top for diameter 60 to 76 mm

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.

Warnings and Safety

• To ensure proper autonomy, solar sizing calculation to be done by trained signify team or trained partner by signify team

SunStay Pro

Product data

General Information

Lamp family code	LED60 [LED module 6000 lm]
Light source replaceable	Yes
Driver included	Yes
Light source engine type	LED
Value ladder	Specification
Warranty period	5 years
Sustainability rating	Lighting for circularity

Light Technical

Upward light output ratio	0
Luminous Flux	5,443 lm
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	192 lm/W
Color rendering index (CRI)	70
Light source color	730 warm white
Luminaire light beam spread	155° x 86°
Optic type outdoor	Distribution medium 10
Effective projected area	0.5 m²

Operating and Electrical

Input Voltage	– V
Line Frequency	– Hz
Inrush current	10.8 A
Inrush time	0.328 ms
Power Consumption	33.2 W
Battery type	Lithium Ferro Phosphate
Battery ampere hour	30 Ah
Battery voltage	25.6 V
Battery charging & discharging cycles	2000
Panel voltage	38.17 V
Panel peak wattage	65 W
Charge controller type	MPPT
Charge controller wattage	100 W
Cable connection kit	Included
Connection	–
Cable	–
Protection class IEC	Safety class III

Controls and Dimming

Dimmable	Yes
Configurability	Configurable
Control interface	BLE
Constant light output	No
Autonomy	20 hour(s)
Maximum dim level	Programmable
Solar dimming profile	Dimmable

Mechanical and Housing

Housing Material	Aluminum
Optic material	Polymethyl methacrylate
Optical cover material	Tempered glass
Fixation material	Aluminum
Housing Color	Gray
Mounting device	Post-top for diameter 60 to 76 mm
Optical cover shape	Flat
Optical cover finish	Clear
Overall length	1,057 mm
Overall width	480 mm
Overall height	152 mm
Dimensions (Height x Width x Depth)	152 x 480 x 1057 mm
Battery location	Inside Luminaire
Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK09 [10 J]
Standard tilt angle posttop	0°
Standard tilt angle side entry	–
Optical cover type	Glass
Net Weight (Piece)	29.500 kg

Approval and Application

Flammability mark	For mounting on normally flammable surfaces
CE mark	Yes
ENEC mark	ENEC plus mark
EU RoHS compliant	Yes
Remarks	LFP Battery Charging temperature: 0 to +60 ℃, Discharging temperature: –20 to +60 ℃
Ambient temperature range	–20 to +40 ℃

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-7%
Initial chromaticity	(0.433, 0.4030) SDCM <5
Power consumption tolerance	+/-10%
Init. Color Rendering Index Tolerance	+/-2
Standard Deviation of Colour Matching (McAdam ellipse)	SDCM≤5

Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 100000 h	5 %
Lumen maintenance at median useful life* 100000 h	L90

Product Data

Order product name	VGP725 LED60-4S/730 OG DM10 III DGR 76P
Full product name	VGP725 LED60-4S/730 OG DM10 III DGR 76P

SunStay Pro

Full product code	872016905320500
Order code	912300060312
Material Nr. (12NC)	912300060312
Numerator – Quantity Per Pack	1
EAN/UPC – Product/Case	8720169053205

Numerator – Packs per outer box	1
EAN/UPC – Case	8720169053205
Product family code	VGP725 [SunStay Pro]

Dimensional drawing

www.lighting.philips.com

2024, September 5 – data subject to change