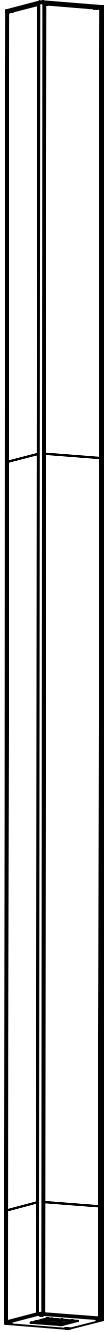


brilliance in solar lighting

photinus

DATASHEET V1|2018

hera



1

hera

SELF-SUFFICIENT SOLAR LED STREET LAMP

APPLICATION

The hera stands out for its exceptional, cubic and modern design and guarantees a secure supply in all different climate zones. The hera solar light is a solar powered LED street lamp, which is used in regions without electrical infrastructure or in which it would not be economically feasible to implement one. The luminaire is especially used in areas that demand a secure supply and excellent light quality even in dim conditions.

The hera is able to generate sufficient energy via the diffuse light component in regions with poor weather (snow, fog, etc.) due to the cubic aluminium construction with 4 photinus high performance photovoltaic modules. The vertically arranged modules prevent snow from accumulating on it in winter. A sophisticated energy management system guarantees secure functionality over several nights even in poor weather conditions. The hera is best suited for residential streets, side streets, cycle routes and footpaths as well as car parks etc. in accordance with DIN EN13201 due to its light output.

OPERATION

The integrated battery is loaded via 4 photinus high performance photovoltaic modules and powers efficiently the LED array during the night.

OPTIONS

Anthracite is our standard colour for the hera. Nevertheless, the luminaire can be ordered in all RAL colours for large projects and at an additional charge.

2

TECHNICAL DATA

SOLAR MODULES

Solar modules	Monocrystalline silicon cells with exceptional efficiency specially processed by photinus.
Efficiency	22 %
Max. performance of the energy column Pmpp	150 Wp / 4 solar modules, they are also charged up in cloudy conditions

BATTERY IN THE POLE

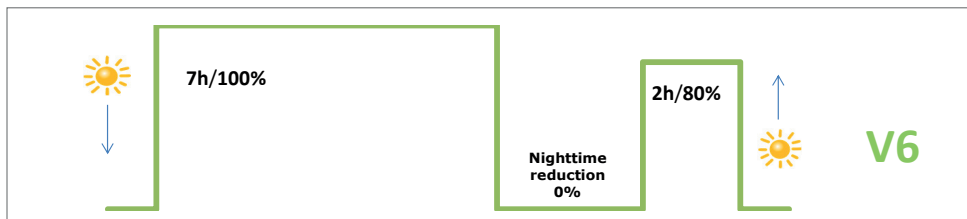
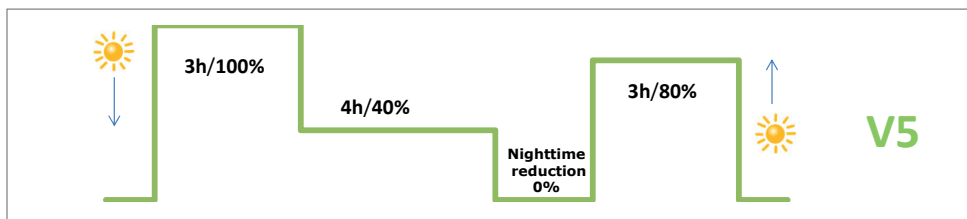
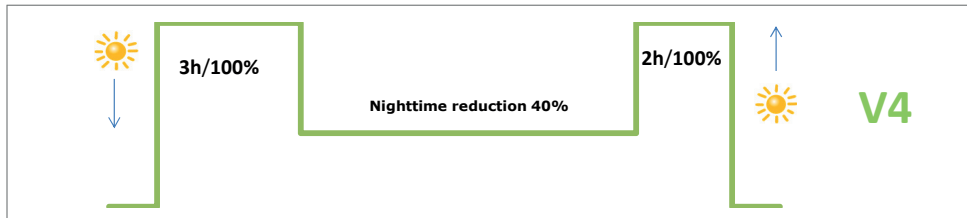
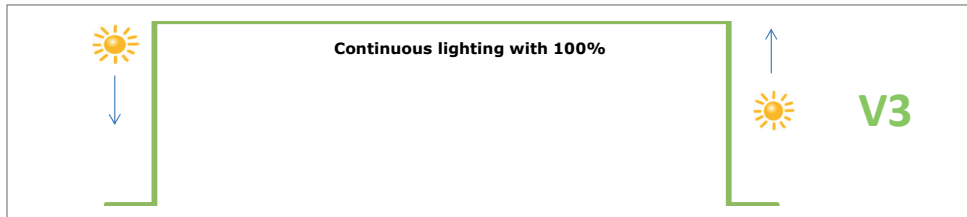
Battery	LiFePO4 / 481 Wh (12,8V 36Ah)
Operating temperature	- 20°C to + 60°C
Life of battery	up to 10 years
Protection class	IPX8

LIGHTS

Max. luminous flux	2000 lm
Max. Efficiency	200 lm/W
LED module / max. watts	10 W
Max. back-up time	Location: Normal Mode /Smart Mode 3 days / 5 days
Colour temperature	4000 K
Life of LED	> 100 000 h
Protection class	IP65

ENERGY AND TIME MANAGEMENT

Standard factory setting V5



DIMENSIONS

Total height from ground level	3500 mm
Height of light from ground level	300 - 2300 mm
Height of energy column	1200 mm
Length of pole under ground	1000 mm
Total length of pole (galvanised steel)	3500 mm

DIMENSIONS HERA

