

# Datasheet

hera



hera

## SELF-SUFFICIENT SOLAR LED LIGHT STELE

### APPLICATION

The hera stands out for its exceptional, cubic and modern design. The hera solar light is a solar powered LED light stele, which is used in regions without electrical infrastructure or in which it would not be economically feasible to implement one.

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 unique staging of special places, gardens and parks or company premises with colour and light, with your individual advertising if desired.

### OPERATION

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

### GUARANTEE

5 years

The warranty of the solar illumination is provided, as far as the illumination is installed like described in the installation instructions. The warranty is void, if the product settings haven't been changed by photinus authorized employees/partners and/or using non-photinus approved tools.

<b>SOLAR LIGHT</b>		<b>hera</b>
<b>SOLAR MODULES</b>		
Solar modules	monocrystalline silicon cells with exceptional efficiency specially processed by photonus.	
Efficiency	20%	
Max. performance of the energy column Pmpp	150 Wp / 4 solar modules, they are also charged up in cloudy conditions.	
Protection class	IK06	
<b>BATTERY IN THE POLE</b>		
Battery	LiFeP04 / 474 Wh (12,8 V 37Ah)	
Operating temperature	-20°C to +60°C	
Life of battery	up to 10 years	
Protection class	IPX8	
<b>LIGHTS</b>		
Max. luminous flux Max. back-up time	Depending on the location where the light is staying. (max. 1000 lm) Location: normal mode / smart mode 52. degrees lat. (Amsterdam): 5 W, 1000 lm / V5 / 3 days / 5 days	
Max. Efficiency	160lm/W at 600mAh	
LED module / max. watts	10 W	
Colour temperature	6000K	
Life of LED	>75 000 h (L80)	
Protection class	IP 65	
<b>MATERIALS</b>		
Pole	galvanised steel „Sparkling iron effect dark“	
Metal parts	powder-coated aluminium „Sparkling iron effect dark“	
Lighting space	acrylic glass	

(technical changes reserved)

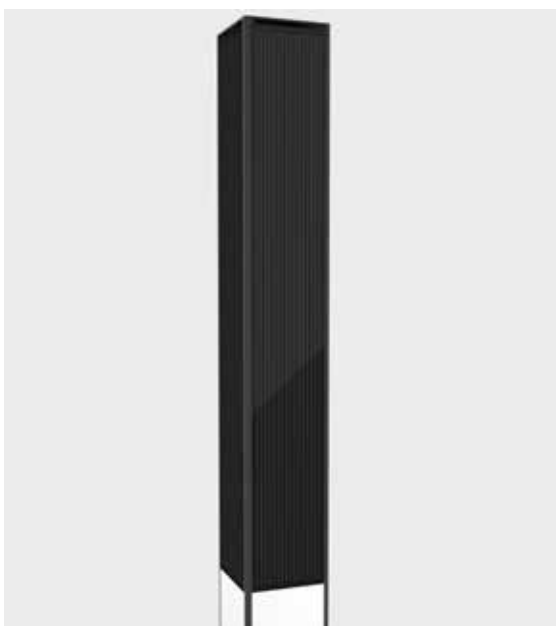
DIMENSIONS	
Total height from ground level	3500 mm
Lighting space / advertising space	2000 mm
Height of energy column	1200 mm
Length of pole under ground	1000 mm
Total length of pole	4500 mm
Weight of light stele	66 kg
Wind load	Wind load zone 4, with 30m/s (110km/h) (Lloyds CLAME 2016)

## Salt spray test (ISO 9227:2012)

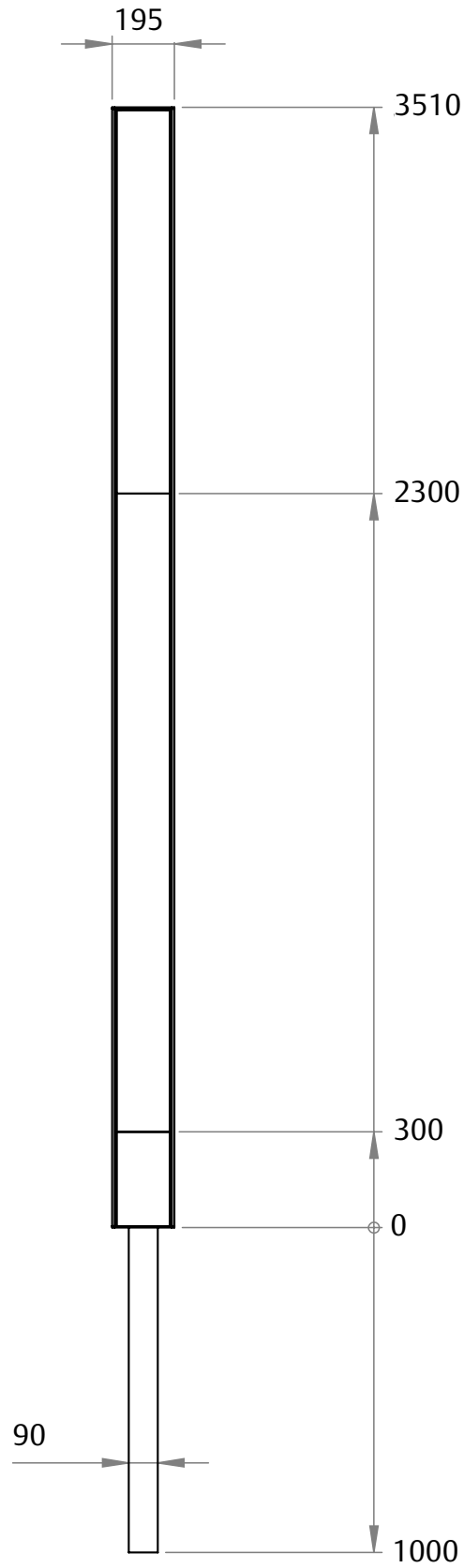
### Corrosion test in artificial atmosphere - salt spray test (ISO 9227:2012)

All solar lights have successfully passed the salt spray test.

## Details

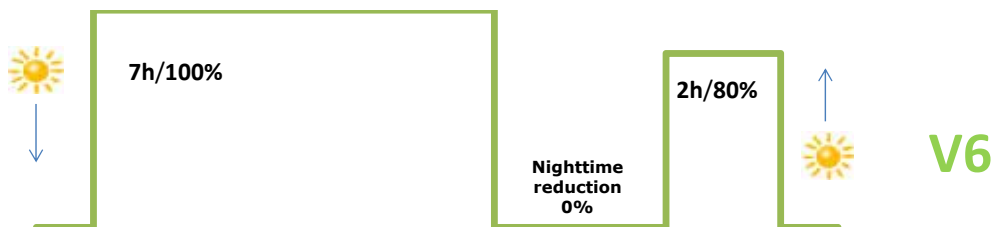
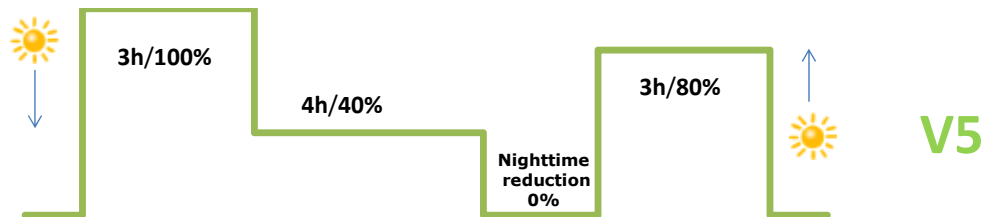
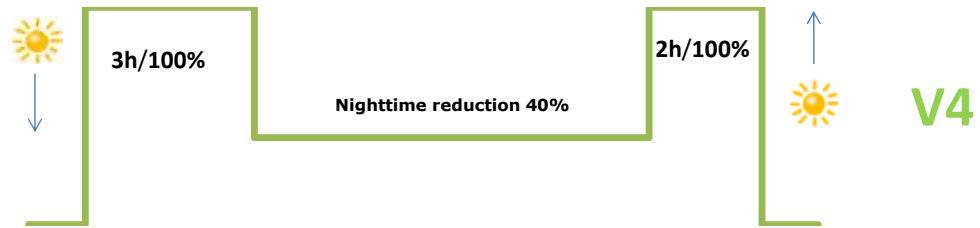
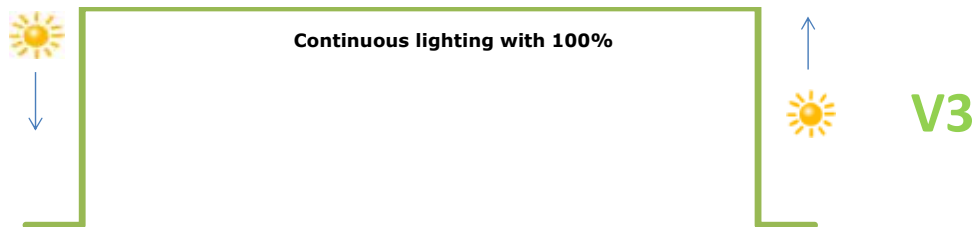


**Dimensions**



**ENERGY AND TIMEMANAGEMENT**

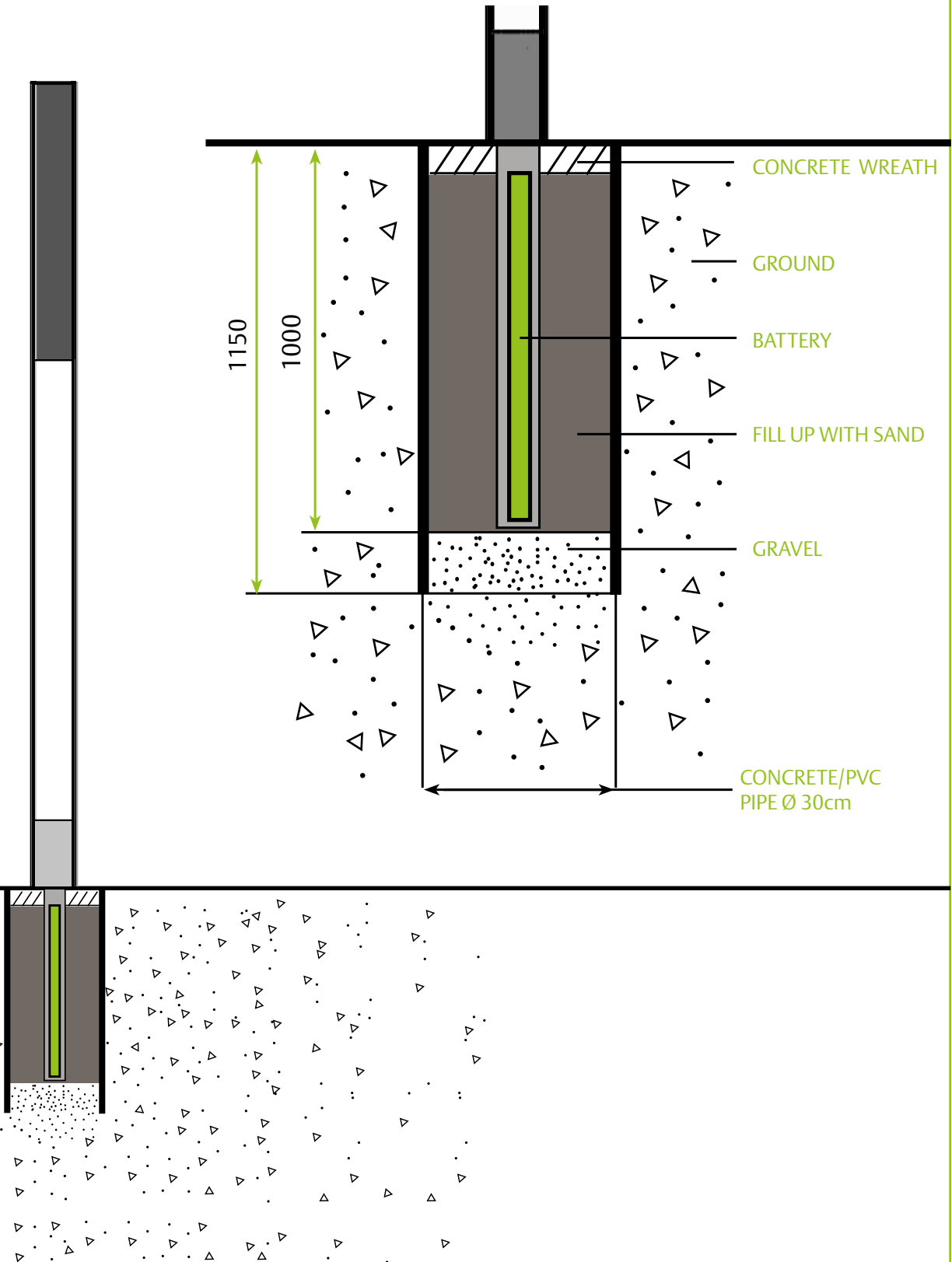
Standard factory setting V5



Option for assembly



# PIPE FOUNDATION



References

**hera**  
Monument / PL



**hera**  
parking space / DE

**hera**  
with logo / AT

