



INTEGRATED DESIGN / BIG BATTERY CAPACITY/CONSTANT HIGH POWER

The SolarWrap solar powered light fixtures are designed for commercial projects which require a constant and reliable high brightness performance.

The fixtures integrate the brand new lifePO4 battery, MPPT solar charge controller, and the latest of LED technology. There are three solar powered light fixtures in the SolarWrap range to suit a wide range of applications.

Helios – 30w/50w. Designed for 5-8m poles, with a lumen output up to 6800lm. Helios is the baby of the range; it is designed for continuous long time use in a variety of applications. Motion detectors available for this model.

Hermes – 60w/80w. Designed for 8-10m poles, with a lumen output up to 12800lm. The designed lifetime of HERMES is 8~10 years without maintenance. 64 Philips SMD5050 5W/LED are adopted and driven with 48V constant voltage and low current input to get ultra-efficiency output up to 160lm/W.

Thor – 100/120w. Designed for 10m plus poles, with a lumen output up to 16800lm. THOR solar LED streetlight was developed to the fulfil application of true solar LED streetlight for highway lighting and main road lighting which requires ultra-high brightness and continuous long period output.

FEATURES

The lifePO4 battery pack and a high-efficiency MPPT solar charge controller built into the light fixture.

Connected to the SolarWrap panels via a universal MC4 connector.

Philips Lumileds, up to 160lm/w.

Lighting power and programs are easily adjusted via remote control.

Solar light can work with 100% power continuously for up to 12 hours.

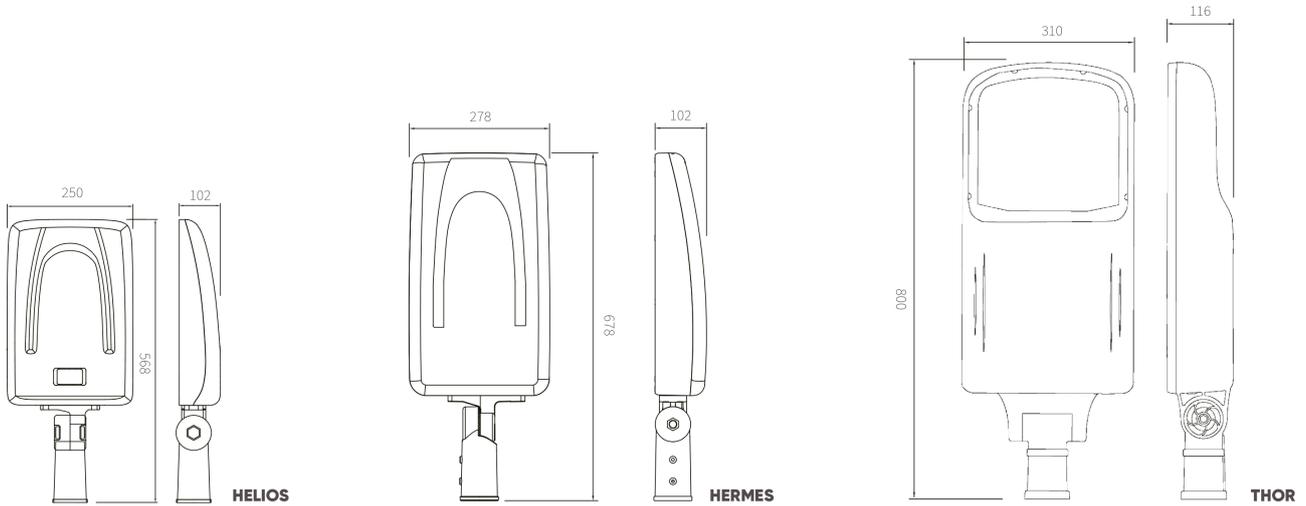
Autonomy can reach to 3~4 days without charging using power saving modes

IP67

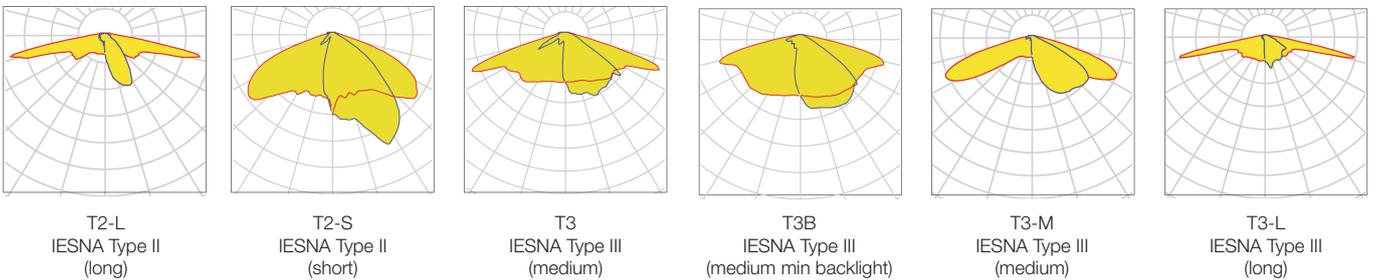
Die cast aluminium housing.

Design concept with better wind resistant performance

Dimensions



LED Optics Optional



Technical Data

| Item number | HELIOS-T3 | HELIOS-T5 | HERMES-T6 | HERMES-T8 | THOR-T10 | THOR-T12 |
|-------------------------|---|-------------|------------------------|-------------|------------------------|--------------|
| Luminous Flux | 4,800lm | 6,800lm | 8,800lm | 12,800lm | 14,800lm | 16,800lm |
| Rated Power | 30W | 50W | 60W | 80W | 100W | 120W |
| CRI | >79 | | | | | |
| LED Type | Lumileds SMD3030 72pcs | | Lumileds SMD5050 64pcs | | Lumileds SMD5050 64pcs | |
| CCT Range | 3000K / 4000K / 5000K / 6000K | | | | | |
| Beam Angle | Type I / II / III / III optics optional from LEDil | | | | | |
| Battery Capacity | 307WH 12.8V | 460WH 12.8V | 538WH 12.8V | 768WH 25.6V | 921WH 25.6V | 1075WH 25.6V |
| Battery Type | Brand new LifePO4 32700 6000mA 3.2V | | | | | |
| Battery Lifetime | D.O.D 50% 4000 Cycles | | | | | |
| Charge Time | 4 hours | | | | | |
| Discharge Time | >24 hours | | | | | |
| Advanced Control System | Hybrid type Solar + 220V backup / Zigbee 2G/4G Wireless Control | | | | | |
| Regular Solar Panel | 80W 18V | 100W 18V | 120W 36V | 160W 36V | 200W 36V | 260W 36V |
| Vertical Solar Module | 140W 18V | 280W 36V | 340W 36V | 400W 46V | 540W 36V | 600W 36V |
| Cable & Connector | 2.5mm 0.6 meters with MC4 connectors | | | | | |
| Working Temp. | -20 °C ~ 75 °C | | | | | |
| Control Method | Automatic dusk to dawn / Time Control / Manual ON-OFF | | | | | |
| Default Lighting modes | 6 hours 100% + 6 hours 50%, 12 hours operation | | | | | |
| Fixture Size | HELIOS : 568*250*102mm | | HERMES : 678*278*102mm | | THOR : 800*310*116mm | |
| Fixture materials | Aluminium Die Casting | | | | | |
| Fixture color | Gray RAL7005 | | | | | |
| N.W/Light | 9.60kg | 10.60kg | 14.30kg | 15.40kg | 13.50kg | 19.60kg |
| G.W/Light | 10.30kg | 11.20kg | 15.30kg | 16.40kg | 20.40kg | 21.80kg |
| IP Rate | IP67 | | | | | |
| Warranty | 3 years | | | | | |
| Certificates | CB CE ROHS IP67 LM79 LM80 FCC | | | | | |