



# LEDTEC

# 100W LSTS SOLAR LIGHT

TECHNICAL DATA SHEET

The LSTS is our fully integrated solar street light that offers brilliant lighting to public spaces and roads. Built with a large heat sink to enable rapid heat dissipation which ensures an optimised, long lasting and reliable solution, utilising the power of the sun to maximise operations and deliver cost savings for cities of today and of the future.

#### Areas for Application

- City Roads
- Public Parks
- Parking Lots
- Public Spaces
- General Area Lighting
- Pedestrian Pathways
- Freeways & Highways



8/94 Forsyth Street O'Connor WA, 6163

+61 (08) 6371 1780

[sales@ledtec.com.au](mailto:sales@ledtec.com.au)

[www.ledtec.com.au](http://www.ledtec.com.au)

## TECHNICAL SPECIFICATIONS

### Product

Model	<i>LSTS 100W</i>
-------	------------------

### Luminaire Information

Rated Power	<i>100W</i>
Operating Temperature Range	<i>-0° ~ +50°c</i>
Mounting Option	<i>Post top mounting</i>
Mounted height	<i>0-7 metres</i>
Dimmable	<i>Optional</i>

### Electrical Characteristics

Battery	<i>LiFePO4</i>
Battery Capacity	<i>768WH</i>
Charging Time	<i>&gt;9 Hours</i>
Operating Time	<i>Normal mode with 100% brightness: &gt;8hrs Intelligent mode: 3-4 days</i>
Solar Panels	<i>Mono-Crystalline Solar Panel</i>
Solar Panel Wattage	<i>90W</i>
Solar Charge Controller	<i>MPPT</i>
Control	<i>PIR Sensor Timer Dimming Function</i>

### Optical Characteristics

Correlated Colour Temperature	<i>4000k Standard (3000, 5000K optional)</i>
Colour Rendering Index	<i>70Ra standard (80Ra optional)</i>
LED Type	<i>Philips lumileds</i>
LED Expected Lifespan	<i>50,000 hrs</i>
Light Efficacy	<i>200lm/w</i>
Luminous Flux	<i>20,000lm</i>
Beam Angle	<i>Type A Medium</i>

### Material & Finish

Ingress Protection Rating	<i>IP65</i>
Impact Rating	<i>IK08</i>
Material Composition (Body)	<i>Aluminium alloy</i>
Material Composition (Lens)	<i>Polycarbonate optical lens</i>
Panels	<i>Mono-crystalline solar panel</i>
Finish	<i>Powder coating</i>
Fixture Colour	<i>Silver</i>

### Weight & Packaging

Product Dimensions	<i>1532x422x342mm</i>
Product Weight (driver box installed)	<i>24kg</i>
Carton Size	<i>1655x530x255mm</i>
Packaged Weight	<i>27.6kg</i>

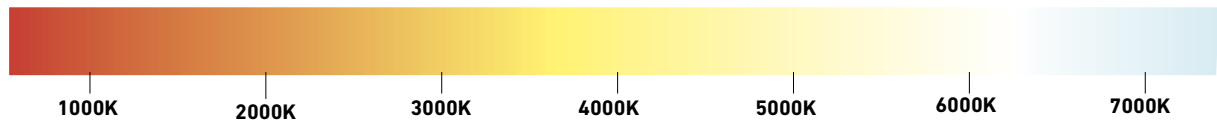
### Warranty

Warranty	<i>3 years</i>
----------	----------------

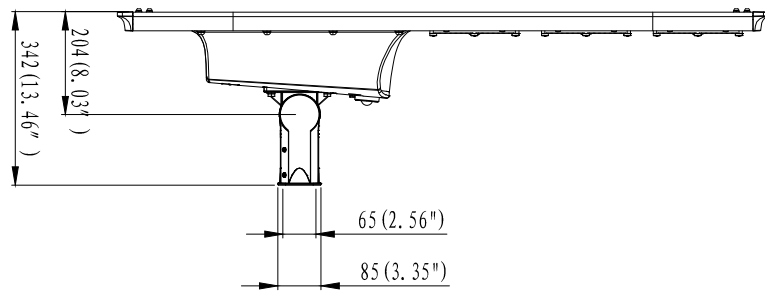
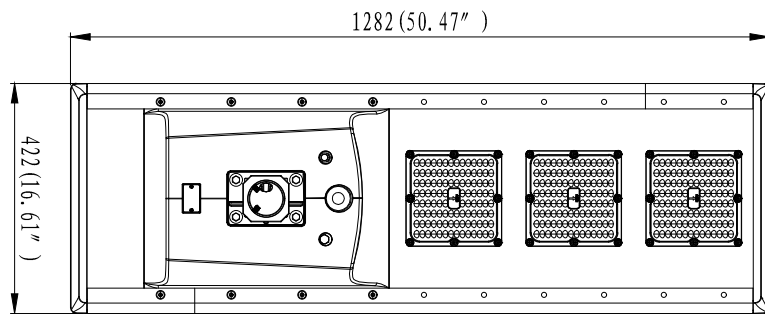
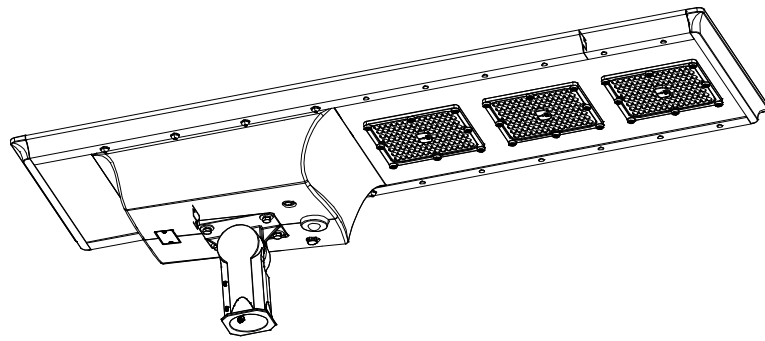
## COLOUR TEMPERATURES

**WARM WHITE**  
2700K - 3000K

**COOL WHITE**  
5900K - 6500K



## DIMENSIONS

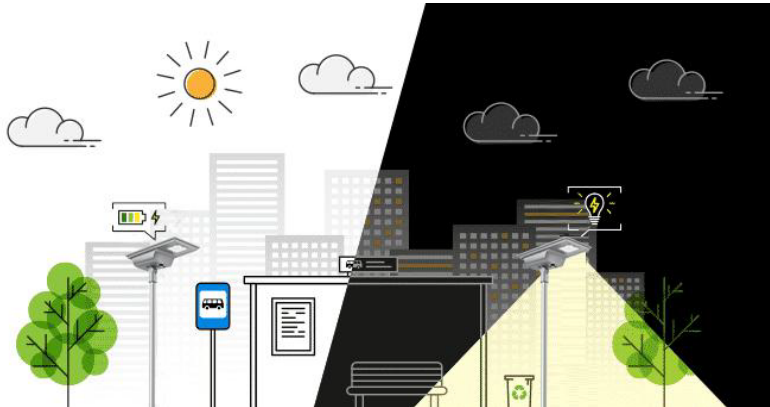


## BATTERY DIMENSIONS



## MONO-CRYSTALLINE PHOTOVOLTAIC WITH HIGHER CONVERSION EFFICIENCY

The LSTS solar street lights battery and controller found inside the fixture is simple to transport and install. The light adopts a LiFePO4 battery, high temperature resistance, and a large current discharge. With the 21% conversion rate mono-crystalline solar panel, it helps store more energy on rainier days, increases lifespan and optimises lighting output levels. Once charged 8hrs, the LiFePO4 battery can continue working non-stop for 3 consecutive days.



## ILLUMINANCE AT DISTANCE

### TYPE A MEDIUM

