



LEDTEC

50W 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

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TECHNICAL SPECIFICATIONS

Product

Model	LSTS 50W
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Luminaire Information

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

Electrical Characteristics

Battery	LiFePO4
Battery Capacity	384WH
Charging Time	>9 Hours
Operating Time	Normal mode with 100% brightness: >8hrs Intelligent mode: 3-4 days
Solar Panels	Mono-Crystalline Solar Panel
Solar Panel Wattage	63W
Solar Charge Controller	MPPT
Control	PIR Sensor Timer Dimming Function

Optical Characteristics

Correlated Colour Temperature	4000k Standard (3000, 5000K optional)
Colour Rendering Index	70Ra standard (80Ra optional)
LED Type	Philips lumileds
LED Expected Lifespan	50,000 hrs
Light Efficacy	200lm/w
Luminous Flux	10,000lm
Beam Angle	Type A Medium

Material & Finish

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

Weight & Packaging

Product Dimensions	1100x422x342mm
Product Weight (driver box installed)	17kg
Carton Size	1225x530x255mm
Packaged Weight	20.1kg

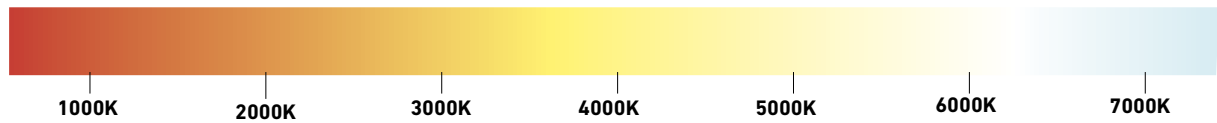
Warranty

Warranty	3 years
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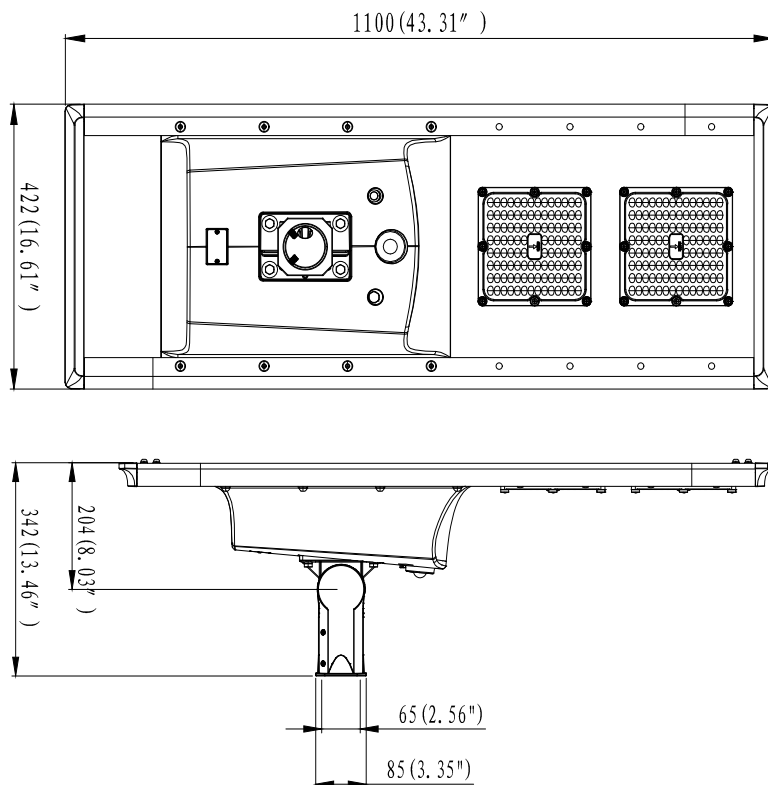
COLOUR TEMPERATURES

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

