



TerraSerde Solar Street Light

Product Specifications

Model	TFL-101
JAN code	4942465023674
Packing size	W560mm × D510mm × H260mm
Gross weight	Approx. 17kg

Solar sheet

Main materials	Amorphous silicon, ETFE
Nominal output *1	Maximum 16W/DC12V
Dimensions	L1337mm × W280mm t=2mm (Excluding protrusions), Output cable (L=4000mm)
Weight	Approx. 0.4kg
Operating temperature *2	-20°C ~ +60°C
Waterproof property	IP46

Battery box

Main materials	ASA resin (Box)
Battery	Silicon battery
Battery capacity	430Wh (10 hour rate)
System voltage	12V
Charging time *1	72 hours
Non-sunshine lighting capacity	Approx. 40 hours (8 hours × 5 days)
Dimensions	W300mm × H520mm × D180mm
Weight	Approx. 15kg
Operating temperature *2	-15°C ~ +50°C
Operating humidity *2	Less than 85%RH (No condensation inside the box)
Waterproof property	IP44

LED light

Main materials	ASA resin (Body) Acrylic transparent resin (Transparent cover) ZAM steel plate (Arm)
LED	High brightness type × 18
Total luminous flux	318 lm
Power consumption	4.0W
Dimensions	L385mm × W100mm × H80mm (Lighting part only), Power cable (L=4000mm)
Weight	Approx. 0.6kg
Operating temperature *2	-20°C ~ +50°C
Waterproof property	IP45

Standard accessories	Resin band (W: 10mm, L: 0.9m) × 10, Stainless band (W: 10mm, L: 0.9m) × 3 Key × 1, Glass tube fuse (5A) × 2 Pillar metal fitting × 2, Pan-sems screw (M3x20) × 4
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*1 Since the power generation efficiency changes depending on the sunshine conditions, the above values are not guaranteed.

*2 Under the environment that exceeds the operating conditions, the main body may deteriorate significantly and cause a malfunction.