



TerraSerde Solar Street Light

Product Specifications

Model	TFL-100
JAN code	4942465018960
Packing size	W560mm × D510mm × H260mm
Gross weight	Approx. 13kg

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	Sealed lead-acid battery
Battery capacity	228Wh (10 hour rate)
System voltage	12V
Charging time *1	48 hours
Non-sunshine lighting capacity	Approx. 40 hours (8 hours × 5 days)
Dimensions	W300mm × H520mm × D180mm
Weight	Approx. 12kg
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 x9
Total luminous flux	162 lm
Power consumption	2.0W
Dimensions	L385mm × W100mm × H80mm (Lighting part only), Power cable (L=4000m)
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.