



EW-WLED SL-40W

GENERIC

White LED based solar street lighting system as per	as per MNRE Specification (Specification uploaded)
Uploaded specification has been seen and understood	Yes



PV MODULE

Minimum Power output of PV Module	75 Wp
PV Module type	Crystalline Silicon Terrestrial Photovoltaic (PV) modules
Minimum efficiency of PV Module (in %)	14
PV Module manufactured in	India

BATTERY

Battery voltage, Minimum (in Volts)	12.8
Battery capacity, Minimum (in Ah)	30
Battery type	Lithium Ferro Phosphate
Battery enclosure	External enclosure with IP65 Protection

LIGHT SOURCE

Light source	White Light Emitting Diode (W-LED)
Rating	40Watt



Total luminous flux	$\geq 1500 \text{ lm.}$
Luminous efficacy (i.e. system efficacy)	$\geq 125 \text{ lm/W.}$
Color Temperature	5500 K to 6500 K

ELECTRONICS

Overall total Efficiency of the Electronics	$\geq 90\%$
Ingress Protection (IP) for Optical and Control gear compartment	IP 65
Necessary lengths of wires/cables, switches suitable for DC use and fuses should be provided	Yes

MECHANICAL COMPONENTS

Conformity to the specification for steel Pole	as per IS:1161
Pole Class	Medium
Height of pole (in m)	6

A corrosion resistant metallic frame structure should be fixed on the pole to hold the SPV module	Yes
The pole should have the provision to hold the luminaire.	Yes

WARRANTY

Minimum Warranty for street lighting system (including the battery) from the date of supply (in Months)	60
Minimum Warranty for PV module(s) from the date of supply (in Years)	25
Minimum warranty for PV modules output peak watt capacity, which should not be less than 90% at the end of (in Years)	10
Minimum warranty for PV modules output peak watt capacity, which should not be less than 80% at the end of (in Years)	25

CERTIFICATIONS

Availability of Type test report from Central Government/NABL/ILAC	Yes
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accredited laboratory to prove conformity to the specification.	
Test report number - Must declare	201006002
Report date - Must declare	24/06/2021
Name of lab - Must declare	bharti automation
Address of lab - Must declare	gurgaon
Agreed to furnish valid BIS CRS certificates for the applicable items as on date to buyer / consignee on demand	Yes
Agreed to furnish all the test reports and certificates to the buyer/consignee on demand	Yes