

# metrolite

## Solar LED Light Tower

### SLT-490



### Specifications

Battery Type	6 x 150Ah Deep cycle AGM batteries; (CE and UR marked) Upgradable to 6 x 150Ah AGM batteries	Mast Raise to 7m	Worm-wheel self locking manual winch self locks when handle released.
Battery Voltage	12 VDC	Luminaire Arm Tilt	Arm can be tilted and locked Arm can be tilted and locked at 3 angles: (0° down facing, 40° and 75°)
System Voltage	24 VDC	Mast Rotate	0° to 350°
Inverter / Charger	Victron Multiplus 3 kVA (UL Approved)	Mast Finish	Plated tubes for superior rust protection
Battery Pack Protection	DC breaker for battery pack (UL489 marked)	Pulley Type	All pulleys zinc flake coated for precision with superior performance and life
Solar Panels	2 x 540W (min rating) Monocrystal solar panels bifacial panels. These unique panels offer the best efficiency using the monocrystal format and allow for more absorption of reflected rays using the double sided solar panels	Lamp Rotate	Each lamp can be individually rotated when the mast is lowered
Solar Panel Deployment	Folding type with gas spring assist	Mast Total Extended Height	7 m (23 ft)
Solar Panel Adjustment	Solar panel array can be tilted from flat facing upwards to 15°, 30° and 40° with the horizontal. This allows for better positioning with respect to the sun position in the sky	E-Stops on Machine	1 E-Stop on machine
Solar Panel Protection	DC breaker for solar panels. (UL489 marked)	Dusk to Dawn Sensor	D2D sensor allows for remote operation
Solar Charger	Victron SmartSolar MPPT Charger	Canopy Body Finish	All canopy metal parts are powder coated with PP powder that is UV resistant and corrosion resistant
Lamp Type	LED floodlight	Outriggers	4 outriggers on canopy with an additional outrigger on drawbar
Lamp Qty x Wattage	4nos x 90W LED (UR marked)	Wind Rating	62 mph
Lamp Protection	1 x 2P Circuit breaker on control panel for 4 LED lights	Trailer Suspension	Leaf suspension
Lamp Orientation Options	Each lamp can be adjusted in any direction in both horizontal and vertical planes	Trailer Axle	Wide axle with 13" pneumatic tires for superior stability during towing and operation
Max Runtime (fully charged battery)	4 x 90W ~ 12 hrs per night 4 x 65W ~ 16 hrs per night	Towing Option	Tilting drawbar with 2" ball hitch coupler & safety chains
Battery Charging Time From AC Grid	9 hrs for 80% 14 hrs for 100%	Machine Lifting	Central lifting eye on mast allows for easy lifting of machine
Charging Socket	1 x 16A (120V) male shore socket (IP67) for plugging in AC grid supply for battery charging / running the lights	Dimensions (Travel) L x W x H	2.6 x 1.3 x 2.3 (meters) 8.6 x 4.3 x 7.5 (feet)
Charging Socket Protection	AC breaker (UL489 marked)	Dimensions (Operation) L x W x H	2.6 x 2.8 x 7 (meters) 8.6 x 9.2 x 23 (feet)

All specifications are subject to change without prior notice.

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