

# High Wind Tropical Lighting (TL)

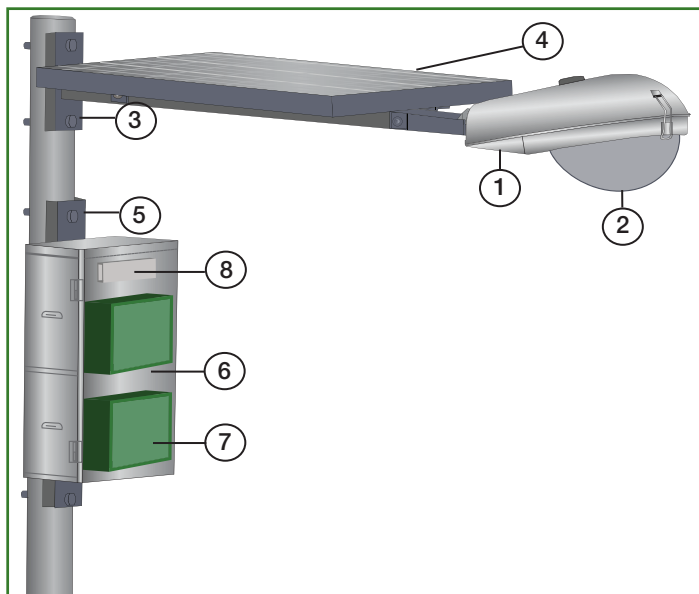
## High Wind Tropical Lighting

Solar street and advertising light designed for tropical regions of the world.



### System Details

- High reliability solar powered light system designed for 25 to 30 M spacing.
- Integrated solar array and fixture mounting for simplified installation that will resist 140 MPH - 3 second gust.
- Easy to startup - factory programmed eliminates any field configuration; plug and play connectors for quick assembly.
- Robust design - sturdy corrosive resistant aluminum hardware.



- 1. Luminaire** - Choice of die cast Cobrahead with Dome Lens (shown). Sealed for corrosion resistance and condensation prevention. IP 63 rating and CE certified. Optional die cast Shoebox luminaire (not shown) with hinged cover features full cut-off lens. See luminaire data sheets for more information.
- 2. Optics** - High lumen LEDs rated at 65,000 hours last for at least 15 years of lighting. IES Types 2 and 5 available in various power wattages. Efficient, bright, white light source provides uniform light distribution.
- 3. Panel Mount** - Grade "A" corrosion resistant aluminum frame supports solar panel and luminaire, and battery enclosure. Allows for proper orientation of solar array.
- 4. Solar Panels** - Poly-crystalline photovoltaic panel in single or dual configurations. Panel wattages are nominal.
- 5. Battery Enclosure** - Vented Grade "A" corrosion resistant aluminum unit holds battery and smart controller.
- 6. NRGLife™ Battery** - Maintenance-free 100Ah 12V sealed no maintenance valve regulated lead acid gel cell battery provides multiple nights of battery back-up.
- 7. Smart Controller** - An LED driver with an integrated solar charge controller that monitors and regulates charging and discharging of batteries as well as controlling and dimming of LED luminaire. Programmable to control hours of operation and light level requirements. Accessible through battery enclosure cover.
- 8. Warranty** - 10 year system warranty that includes five year limited warranty on batteries, 10 years on electronics, wiring, fixtures and 20 years on mounting hardware and solar panels.

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## Specifications

Solar Panel	Dimensions Length x Width x Height	Panel Power (Output Amps)	EPA @ 0 degrees (Effective Projected Area) Power Unit, Arm & Battery Box* (fixture is additional)	System Weight (pole is additional)	
				lbs.	kg
90 watts	39.48" x 26.06" x 1.81 1003mm x 662mm x 46mm	4.55 amp @ 12V	3.32 sq. ft. / 0.308438 m <sup>2</sup>	200	90.72
125 watts	58.58" x 26.06" x 1.88" 1488 mm x 662 mm x 48 mm	7.14 amp @ 12V	3.49 sq. ft. / 0.324231 m <sup>2</sup>	220	99.79
135 watts	59.1" x 26.3" x 1.81" 1500 mm x 668 mm x 46 mm	7.63 amp @ 12V	3.50 sq ft. / 0.325160 m <sup>2</sup>	219	99.34
180 watts (2x90)	39.48" x 42.28" x 1.81" 1003mm x 1324mm x 46mm	9.10 amp @ 12V	3.32 sq. ft. / 0.308438 m <sup>2</sup>	240	108.86
250 watts (2x125)	58.58" x 52.12" x 1.88" 1237 mm x 1324 mm x 48 mm	14.32 amp @ 12V	3.49 sq. ft. / 0.324231 m <sup>2</sup>	260	117.93

System weight and EPA may vary with number of fixtures and batteries. The chart above is for reference only. Sol Inc. provides calculated EPA and weight when a system is quoted and submitted. Solar panel configurations may vary slightly by manufacturer.

## Installation Photos

