

# Tropical Lighting System (AL)

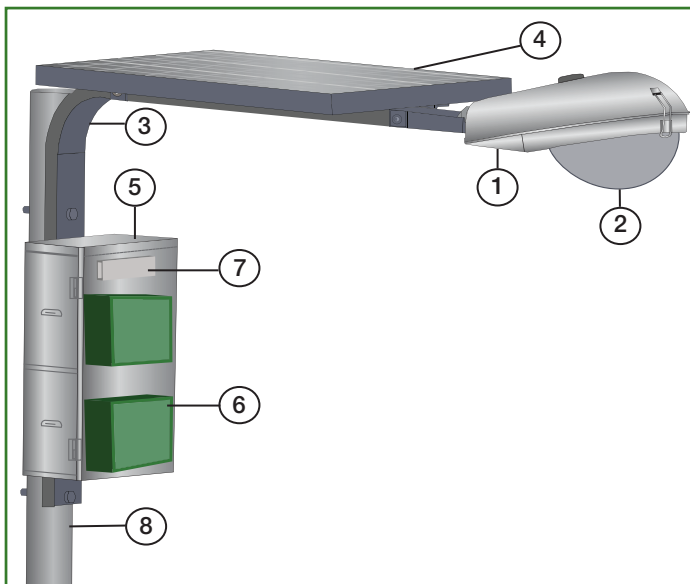
## Tropical Lighting System Series 4Q CHD

Solar light for street and roadway lighting for installations within 30 degrees of the Equator.



### System Details

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



1. **Luminaire** - Die cast Cobrahead with polycarbonate dome lens. Sealed for corrosion resistance and condensation prevention. IP 63 rating and CE certified.
2. **Optics** - (not shown) High lumen LEDs rated at 65,000 hours (L70) last for at least 15 years of lighting. IES Type II available in a 4 Quad configuration. An efficient, bright, white light source of 5,000K provides uniform light distribution.
3. **Panel Mount** - Grade "A" corrosion resistant aluminum frame supports solar panel and battery enclosure. Allows for proper orientation of solar array.
4. **Solar Panel** - Poly-crystalline photovoltaic module in 250W dual panel configuration. PV limited warranty by solar panel manufacturer for 20 years.
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 gel cell battery provides a minimum of 5 nights of battery back-up.
7. **EternO@4 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.
8. **OPTION: Sol Pole** - 7 to 8 meter aluminum bolt down pole - extruded from high strength aluminum. Pole exclusively designed to meet the demands of solar applications.
9. **Warranty** - Systems feature warranty that includes 10 years on electronics, wiring, fixtures and 20 years on mounting hardware and solar panels.

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## Specifications

Model No.	AL-250
Panel Size	250 Watts (2 x 125W)
Total Panel Dimensions	58.58" x 52.12" x 1.88" / 1488mm x 1324mm x 48mm
Panel Power (Operating Current)	14.28 amp @ 12V
Battery	3 x NRGLife™ 100 Ah gel cell
Battery Enclosure Dimensions	24" x 24" x 7 1/2" / 609.60mm x 609.60mm x 190.50mm
Fixture	60W LED Cobrahead Dome
LED Type	High Flux > 85 lum/W discrete with optics and reflectors
EPA @ 0 degrees (Effective Projected Area) Power Unit + Arm + Battery Box + Fixture	6.30 sq. ft / 0.6 m <sup>2</sup>
System Weight	Approx. 395 lbs / 179.17 kg
System Spacing (RP-8)	25-30 m

Solar panel configurations may vary slightly by manufacturer.