Obstacle Light Carmanah A650

High value solar-powered light
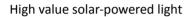
Description

- Up to 10 cd of intensity (steady-on, green, equatorial)
- Replaceable and recyclable battery pack
- Intuitive on-board user interface
- Dusk-to-dawn operation
- Optional external switch
- Intelligent deployment location settings protect against improper configuration

Specifications

Characteristic	Description / Value
Solar panel	High-efficiency cells with bypass and blocking diode function. Maximum power point tracking (MPPT) for optimal energy collection.
Battery	Tool-less replaceable and recyclable best-in-class battery pack with extreme temperature range. Battery status feedback of Good, Charge or Bad (Replace).
Light sources	High power LED. Colour-specific temperature corrected LED drivers provide consistent intensity under all operating conditions.
Intensity	10 cd intensity, steady-on (see photometric plot on reverse). 18 cd peak intensity, flashing, 12.5% duty cycle (Red LEDs).
Flash patterns	256+
Construction	Premium grade UV resistant, polycarbonate/polysiloxane co-polymer body and lens material. Double O-ring sealing with waterproof vent.
Colours	Blue, Red, Yellow, Green and White. ICAO and SAE25050 (FAA) compliant chromaticity.
Ambient operation temperature (ALC)	-45 to 124 ºF (-43 to 51 ºC) ambient temperature. The A650 will function up to 190 ºF (88 ºC) internal and surface temperatures.
Storage temperature	-45 to 176 ºF (-43 to 80 ºC)
Colour indicator	Yes, FAA Eng. Brief 67 compliant.

Characteristic	Description / Value
Weight	3.5 lb (1.58 kg)
Wind loading	400 mph (180 m/s)
Automatic light control	When enabled, ALC will dynamically reduce brightness in response to unusually low amounts of sunlight to ensure continued operation.
Manufacturer	Carmanah Technologies Corp.

Sensor connection diagram

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