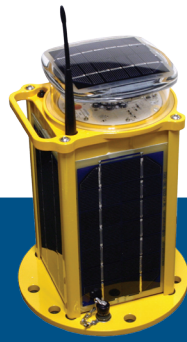




carmanah®  
we put solar to work



MODEL

# A704-5

SOLAR LED AVIATION AND OBSTRUCTION LIGHT

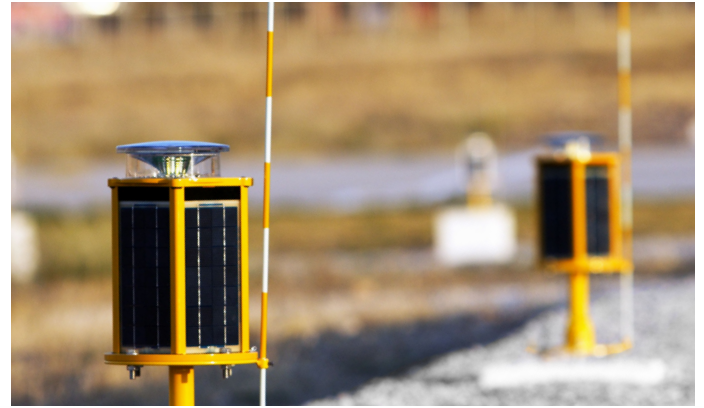
IN USE FOR THOUSANDS OF AVIATION AND OBSTRUCTION APPLICATIONS WORLDWIDE, CARMANAH SOLAR LED LIGHTS ARE TRUSTED BY THE WORLD'S MOST DEMANDING CUSTOMERS TO PERFORM UNDER SOME OF THE HARSHTEST OPERATING ENVIRONMENTS ON EARTH.

WITH OPTIONAL WIRELESS CONTROL, THE HIGH-POWERED A704-5 SOLAR LED AVIATION AND OBSTRUCTION LIGHT IS DESIGNED TO DELIVER ON-COMMAND PERFORMANCE IN EXTREME CONDITIONS.

- Up to 44 cd of intensity in “autonomous high” mode
- Up to 240 cd of intensity in “temp high” mode
- Dusk-to-dawn or on-command operation
- Push-button operation or optional wireless control  
NVG-compatible IR option available

Applications include: Runway edge lighting – (ICAO Annex 14), portable or expedited airfield lighting, emergency runway lighting, helipad lighting, threshold lighting and obstruction lighting.

- **Easy installation and relocation:** no specialized work crew required, limited air traffic disruption, and lights are immediately operational. Featuring a built-in handle, the A704-5 can be quickly relocated for temporary or emergency applications. Multiple mounting options available.
- **Self-contained and low maintenance:** all components are incorporated within a compact, stand-alone unit. The A704-5 also features a replaceable battery pack that extends the service life, reducing the total cost of ownership and resulting in significant cost savings.
- **Unprecedented reliability:** microprocessor Energy Management System (EMS) monitors and adapts the brightness to environmental conditions for reliable performance and long life under the toughest conditions.
- **User friendly:** easy programming and operation options include push-button operation or optional wireless control system offering secure 900 MHz wireless control from ground or air. External 12 Volt service port allows for external charging or use of supplementary power source.
- **Protect personnel and assets:** Optional handheld wireless control allows for remote operation of an A704-5 airfield including mode changes for enhanced visibility in poor weather conditions, or to blackout or infrared in response to immediate threat.
- **Meets tough industry standards:** Certifications include ICAO and Explosive Atmosphere.
- **Green solution:** a clean, renewable and reliable energy source with the lightest environmental footprint. The A704-5 features recyclable batteries.



#### CARMANAH A704-5 CUSTOMERS

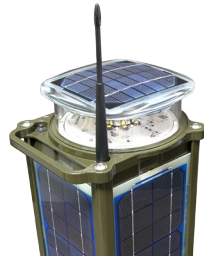
Al Asad AB, USMC – Iraq  
Barking Sands Airfield, US Navy – USA  
Dover AFB, USAF – USA  
Camp Lemonnier Djibouti, US Marine Corps – Africa  
Camp Victory, US Army – Iraq  
Carupano Airport – Venezuela  
Fort Rucker, US Army – USA  
Government of Bahamas, Various airports  
Mackall Army Airfield, US Army – USA  
Pope AFB, US Air Force – USA  
Royal Singapore Air Force Base – Singapore  
Royal Australia Air Force Base – Australia  
Salem Army Airfield, US Army – Afghanistan  
CFB Trenton, Canadian Air Force – Canada  
Turkish Police Force – Turkey  
Qalat Air Base, US Army – Afghanistan



REPRESENTED BY:



Aviation yellow chassis



Olive drab chassis

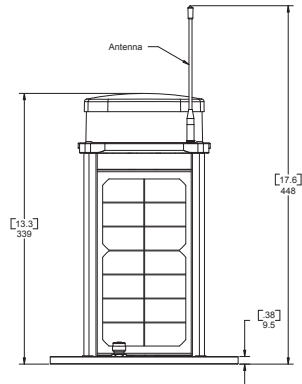
## MODEL

# A704-5

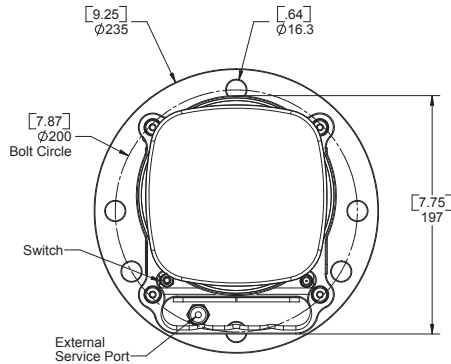
SOLAR LED AVIATION AND OBSTRUCTION LIGHT

### TECHNICAL DRAWINGS AND DIMENSIONS

#### SIDE VIEW



#### TOP VIEW



### ADDITIONAL OPTIONS AND FEATURES

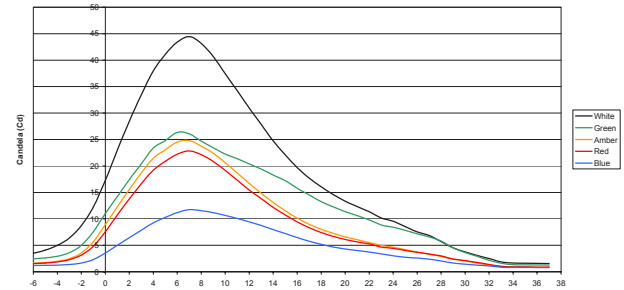
#### HANDHELD WIRELESS CONTROLLER



- Secure wireless control of A704-5
- User and Administrator password access control
- Included rechargeable lithium ion battery and charger
- 12 hours of continuous operation on a single charge
- Controls up to eight groups of lights independently

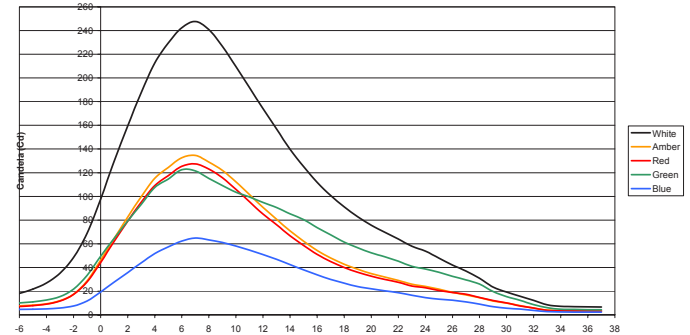
### PHOTOMETRIC PERFORMANCE

#### A704-5 - ALL COLOURS - AVERAGE DIVERGENCE INTENSITY (AUTONOMOUS HIGH)



Note: Intensity dependent on location. Based on equatorial location of 12-hour night duration and steady-on (001) flash code.

#### A704-5 - ALL COLOURS - AVERAGE DIVERGENCE INTENSITY (TEMPORARY HIGH)



### TECHNICAL FEATURES AND SPECIFICATIONS

Solar Panel	High-efficiency solar panels
Battery	Replaceable, recyclable best-in-class SLA battery pack with extreme temperature range. Battery status feedback via LEDs.
Light Source	Ultra-bright LEDs feature innovative optic and lens design for optimum light divergence.
Intensity	Up to 44.3 cd autonomous high mode (white). Up to 240 cd temp high mode (white).
Flash Patterns	User-programmed via onboard push-button switch or optional handheld wireless controller for steady-on mode or one flash pattern.
Construction	Fully self-contained weather, corrosion and vandal-resistant unit with premium-grade UV-resistant polycarbonate head. Extruded aluminum body.
Colours	LEDs: white, red, amber, blue, green, red/green split, amber/white split, red/white split. All colours available with infrared output. CHASSIS: aviation yellow, olive drab
Ambient Operating Temperature	-22 to 122° F (-30 to 50° C)
Storage Temperature	-40 to 176° F (-40 to 80° C)
Weight	26 lb (11.75 kg)
Automatic Light Control (ALC)	ALC dynamically reduces brightness in response to unusually low amounts of sunlight to ensure continued operation
Radio Receiver	902-928 MHz FHSS

Specifications may be subject to change

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