



carmanah®
we put solar to work



MODEL

A702 SERIES

SOLAR LED AVIATION AND OBSTRUCTION LIGHTS

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 THE HARSHTEST OPERATING ENVIRONMENTS ON EARTH.

CARMANAH A702 SERIES SOLAR LED AVIATION AND OBSTRUCTION LIGHTS ARE A SELF-CONTAINED, HIGH-PERFORMANCE, LOW MAINTENANCE LIGHT SOURCE FOR A BROAD RANGE OF AVIATION AND OBSTRUCTION APPLICATIONS.

- Up to 19 cd of intensity (steady-on, white)
- Three or four intensity settings
- Infrared-only output option (A702 IR)
- Programming via push-button ("switched" model) or handheld IR programmer ("no switch" model)

Applications include: taxiway edge lighting, apron edge lighting, emergency airfield and helipad lighting, construction barricade lighting on airfields and obstruction lighting.

- **Easy installation and relocation:** No specialized work crew required, limited air traffic disruption, and lights are immediately operational. The A702 series, which includes the A702, infrared output-only A702 IR and the A702-5, can also 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 A702 series 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 consistent operation and long life under the toughest conditions. Additional solar panel on A702-5 delivers extra solar capacity for low-sunlight locations.
- **User friendly:** Available in two models each differing in its method of programming. The "no switch" model is programmed only with a handheld infrared remote programmer. The "switched" model is programmed only by a push-button on the top of the light.
- **Meets tough industry standards:** Certifications include CE, RoHS and Explosive Atmosphere.
- **Green solution:** A clean, renewable and reliable energy source with the lightest environmental footprint. The A702 series features recyclable batteries and is RoHS compliant.



CARMANAH AVIATION CUSTOMERS

Bangkok International Airport – Thailand
Chicago O'Hare International Airport – USA
Dubai International Airport – UAE
Guiria Airport - Venezuela
Japanese Air Self Defense Force
John F. Kennedy International Airport – USA
Miami International Airport – USA
Royal Air Force
Royal Australian Air Force
Sydney International Airport – Australia
South African Air Force Thai Air Force
US DoD (Air Force, Army, Marine Corps, Navy)
Zurich International Airport – Switzerland



REPRESENTED BY:



Head detail: A702



Head detail: A702-5

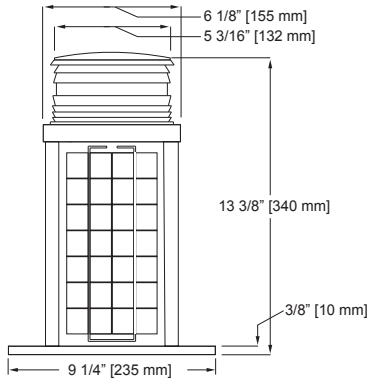
MODEL

A702 SERIES

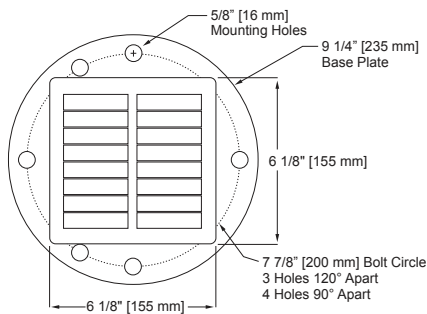
SOLAR LED AVIATION AND OBSTRUCTION LIGHTS

TECHNICAL DRAWINGS AND DIMENSIONS (A702-5 SHOWN)

SIDE VIEW

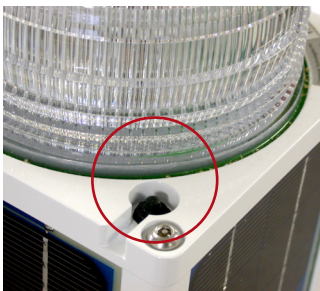


TOP VIEW

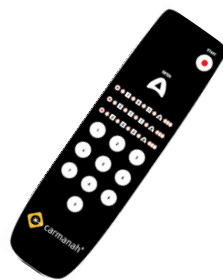


ADDITIONAL OPTIONS AND FEATURES

PROGRAMMER AND CONFIGURATION OPTIONS



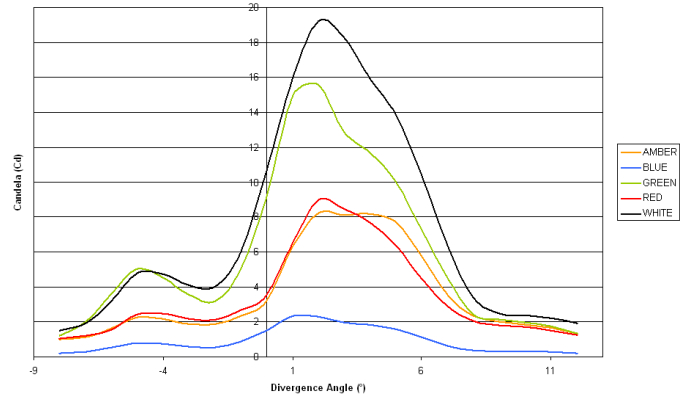
Push-button switch on "switched" model



Handheld infrared programmer for the "no switch" model

PHOTOMETRIC PERFORMANCE

All colours A702/ A702-5 average divergence intensity (Steady-on)



Note: Intensity dependent on location. Based on location able to sustain steady-on (Flash Code 001) at 100% intensity.

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	A702: 19 cd steady-on (white) A702-5: 19 cd steady-on (white) A702 IR: 20 mW/Sr minimum at 100% output See photometric performance data above.
Flash Patterns	The IR Programmed ("no switch") model can be programmed by the user or the factory for steady-on or over 250 flash patterns. The "switched" model can be programmed by the user for steady-on or one flash pattern.
Construction	Fully self-contained weather, corrosion and vandal-resistant unit with premium-grade UV-resistant polycarbonate head and extruded aluminum body.
Colours	white, red, amber, blue, infrared*, green*, red/green split, amber/white split
Ambient Operating Temperature	-22 to 122° F (-30 to 50° C)
Storage Temperature	-40 to 176° F (-40 to 80° C)
Weight	17 lb (7.75 kg)
Automatic Light Control (ALC)	ALC dynamically reduces brightness in response to unusually low amounts of sunlight to ensure continued operation.

*Green available in A702 only. Infrared output available in A702 IR only.

Specifications may be subject to change

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