



carmanah®

MODEL

M502

Solar-Powered LED Marine Lanterns



Carmanah's Model M502 solar marine lantern offers excellent value and extremely reliable operation for up to five years. With a virtually indestructible design, the Model M502 solar marine lantern is completely waterproof, vibration proof, and vandal resistant. As the next generation in Carmanah's popular, successful 500 series solar lanterns, the Model M502 includes all the features of its Model M501 predecessor, but is also completely programmable.

LIGHT OUTPUT AND OPERATION

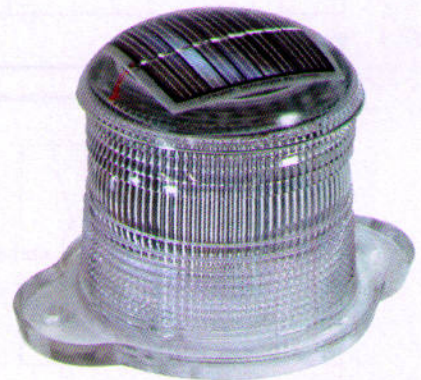
Visibility ^{1,2}	1 NM (1.8 km)
Peak intensity (360° average, green LEDs)	~1.2 Candela
Ambient storage temperature	-40 to 176 °F (-40 to 80 °C)
Ambient operating temperature	-22 to 122 °F (-30 to 50 °C)
Autonomy (flashing) at full charge	300 hours
Available LED color	Red, green, blue, amber, or white
Colored lens option	Yes
Flash patterns	7
Programmable (infrared)	Yes

CONSTRUCTION

Light source	High-powered LEDs
Lens material	UV stabilized
Battery (average 5-year life)	Non-replaceable
Energy Management System MICROSOURCE® code suite	Yes
Mounting options	2 Bolt
Weight	2.45 lb (1.1 kg)

PATENTS AND APPROVALS

RoHS compliant	Yes
CE approval	As per EN 60945:1997
IP68 waterproof rating	Yes
Patents	US Patents: 6573659 and 6013985 Other Patents Pending



Marine Clients

- Australian Maritime Systems
- Brazilian Naval Commission
- Canadian Coast Guard
- CETMEF, France
- Indian Port of Kandla, India
- Maritime and Port Authority of Singapore
- NOAA – National Data Buoy Center
- Panama Canal
- Suez Canal, Egypt
- Trinity House Lighthouse Service, UK
- United States Coast Guard
- Vancouver Port Authority

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