



MODEL

M702-5

Solar-Powered LED Marine Lanterns



Self-contained, compact and proven to perform, Carmanah's Model M702-5 solar marine lanterns with 3 nautical miles visibility have been regarded as the solution of choice for coast guards, navies and port authorities around the world since 1996.

LIGHT OUTPUT AND OPERATION

| | |
|---|------------------------------|
| Visibility ^{1,2} | 3 NM (5.4 km) |
| Peak intensity (360° average, green LEDs) | ~ 22 Candela |
| Ambient storage temperature | -40 to 176 °F (-40 to 80 °C) |
| Ambient operating temperature | -22 to 122 °F (-30 to 50 °C) |
| Vertical divergence | 7° |
| Autonomy (flashing) at full charge | 300 hours |
| Available LED color | Red, green, amber, or white |
| Flash patterns | 250+ |
| Programmable (infrared) | Yes |
| GPS capable | Yes (Optional) |

CONSTRUCTION

| | |
|--|----------------------------|
| Light source | High-powered LEDs |
| Lens material | UV stabilized |
| Battery (average 5-year life) | Replaceable and recyclable |
| Energy Management System MICROSOURCE® code suite | Yes |
| Mounting options | 3, 4, or 5 bolt |
| Weight | 17 lb (7.75 kg) |

PATENTS AND APPROVALS

| | |
|------------------------|---|
| CE approval | As per EN 60945:1997 |
| IP68 waterproof rating | Yes |
| Patents | US Patents: 6573659, 6013985 Other Patents Pending |



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

Carmanah Technologies Corporation

Building 4-203 Harbour Rd.
 Victoria, BC V9A 3S2
 Toll Free: +1.877.722.8877
 (US & Canada)
 Worldwide: +1.250.380.0052
 Fax: +1.250.380.0062
 Email: info@carmanah.com

we put solar to work™