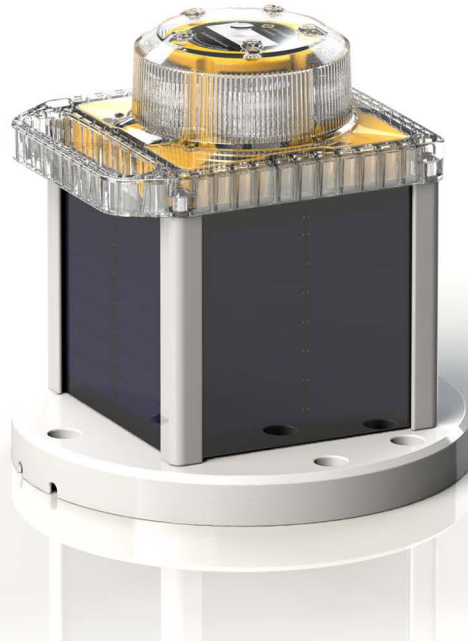




**Go Deep**  
Aids to Navigation

**M850**  
SELF-CONTAINED MARINE LANTERN



## FEATURES & BENEFITS

- Up to 7.5 NM Range ( $T=0.74$ )
- Up to 10.3 NM Range ( $T=0.85$ )
- Up to 445 peak cd (White)
- Top-mounted, "tap-to-activate" 4-character LED display. Easily check light settings without an external controller
- Built-in calendar function; de-activate and re-activate according to seasonal requirements
- Simplified programming. Optional mini remote with navigational keys. No transitioning required
- Multiple divergences for fixed or floating installations ( $8^\circ$  or  $10^\circ$ )
- 60 and 90 Wh battery pack options. Up to 40% lighter than the Carmanah M701-5
- Optional GPS synchronization

**CONTACT US  
TO ORDER:**

TOLL FREE (NORTH AMERICA):  
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1-877-446-3337  
1-506-633-7850

EMAIL: [INFO@GODEEPATON.COM](mailto:INFO@GODEEPATON.COM)  
WEB: [WWW.GODEEPATON.COM](http://WWW.GODEEPATON.COM)

## SPECIFICATIONS

### OPTICAL

445 cd peak intensity (as per IALA rating); see table  
 High Flux Surface Mount LEDs with colour-specific temperature-corrected LED driver provides consistent intensity under all operating conditions  
 IALA compliant chromaticities; Red, Green, White, and Yellow  
 Custom optical design with 250+ flash patterns (including steady-on)  
 Vertical Divergence 8° or 10° (FWHM)

### ENERGY COLLECTION

Best-in-class high-efficiency solar cells with optional external charge port and charger

### BATTERY

Multiple battery pack options available (refer to weight table) including best-in-class pack  
 Battery status and voltage clearly indicated on integrated LED display  
 Designed for 5 year battery life; Replaceable and recyclable

### ENERGY MANAGEMENT SYSTEM

Intelligent, microprocessor EMS  
 On-board diagnostics

### AUTOMATIC LIGHT CONTROL 2.0 (ALC 2.0)

When enabled, ALC adjusts output intensity in response to unusually low amounts of sunlight to ensure continued operation

### PROGRAMMING

Programmable with optional infrared programmer  
 Integrated 4-character LED display

### GPS SYNCHRONIZATION

Optional GPS enables two or more lanterns to flash in unison

### CONSTRUCTION

Premium grade UV resistant, polycarbonate lens/head AND polycarbonate/polysiloxane co-polymer base  
 Environmentally-friendly, powdercoated aluminum chassis (applied by trivalent chromate process)  
 Thermoplastic gaskets  
 Waterproof, vented battery compartment  
 Top colour indicator matches LED colour  
 Integrated handle

### TEMPERATURE

-22 to 122 °F (-30 to 50 °C) operating  
 -40 to 176 °F (-40 to 80 °C) storage

### WEIGHT

Refer to weight table

### MOUNTING

3 or 4 bolt 7.87" (200 mm) mounting pattern

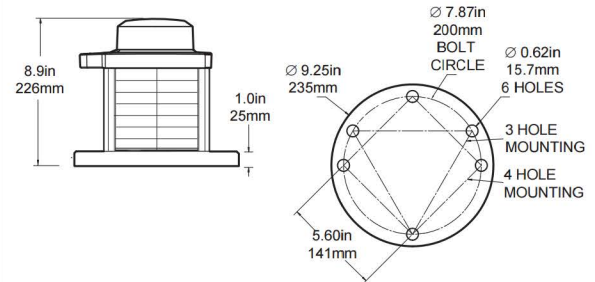
### WIND LOADING

140 knots (72 m/s)

### ICE LOADING

0.03 psi (22 kg/m<sup>2</sup>)

## GENERAL ARRANGEMENT



## PEAK INTENSITY (IALA)

COLOR	INTENSITY
Red	239 cd
Green	290 cd
White	445 cd
Yellow	320 cd

Ask about our full line of top marks and self-contained solar lanterns!



### SHOCK & VIBRATION

MIL-STD-202G (for Shock and Vibration)

### INGRESS

IP 68 immersion  
 MIL-STD-202G immersion & damp heat cycling  
 MIL-STD-810G rain & salt fog

### COMPLIANCE

USCG PATON 33CFR66, 33CFR67 Class B & C  
 RoHS; WEEE

### WEIGHT TABLE

60X | X-cells (60Wh) | 4.5 kg | 9.9 lb  
 96E | E-cells (96Wh) | 5.3 kg | 11.6 lb