



Go Deep
Aids to Navigation

M860
SELF-CONTAINED MARINE LANTERN



FEATURES & BENEFITS

- Up to 7.8 NM Range (T=0.74)
- Up to 10.8 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° or 10°)
- Multiple battery pack options (up to 40% lighter than 700 series lanterns)
- Optional low earth orbit satellite monitoring capabilities offer remote reporting on battery state of charge/lantern health and ge positioning

**CONTACT US
TO ORDER:**

TOLL FREE (NORTH AMERICA):
INTERNATIONAL:

1-877-446-3337
1-506-633-7850

EMAIL: INFO@GODEEPATON.COM
WEB: 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

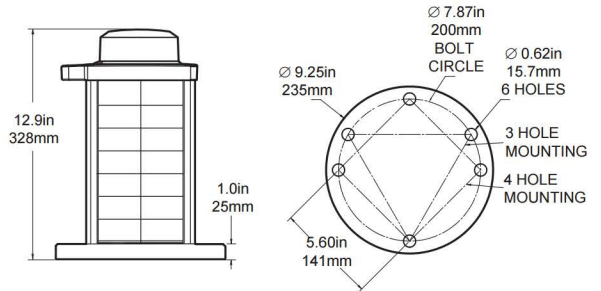
WIND LOADING

140 knots (72 m/s)

ICE LOADING

0.03 psi (22 kg/m²)

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

96E | E-cells (96Wh) | 6.4 kg | 14.0 lb
 96E | BC-cells (200Wh) | 10.2 kg | 22.4 lb