



Go Deep
Aids to Navigation

M650H
SELF-CONTAINED MARINE LANTERN



FEATURES & BENEFITS

Unprecedented Reliability: microprocessor Energy Management System (EMS) monitors and adapts the light to environmental conditions for consistent operation and long life under the toughest conditions.

Designed and tested to the toughest industrial standards: immersion, shock and vibration, corrosion, solar radiation, chemical resistance, hail and EMC/EMI/ESD.

Intelligent settings: the first solar product to incorporate intelligent deployment location settings that allow the M650 to be tuned to its location, protecting it against improper configuration. Lantern automatically adjusts for Schmidt-Clausen.

Self-contained and low maintenance: all components are incorporated within a compact, stand-alone unit for easy deployment and relocation. A replaceable battery pack extends service life beyond five years, reducing total cost of ownership and resulting in significant cost savings.

Green solution: a clean, renewable and reliable energy source with the lightest environmental footprint. Recyclable batteries and RoHS compliant.

**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

SOLAR PANEL

High-efficiency cells with bypass and blocking diode function. Maximum power point tracking (MPPT) for optimal energy collection.

BATTERY

Tool-less replaceable and recyclable best-in-class battery pack with extreme temperature range. Battery status feedback of Good, Charge, Low or Bad (Replace) and actual battery voltage.

LIGHT SOURCE

High-power LED. Colour-specific temperature-corrected LED drivers provide consistent intensity under all operating conditions.

MAXIMUM PEAK INTENSITY (AS PER IALA RATING)

60 cd (White LEDs)

VERTICAL DIVERGENCE

> 8° (FWHM)

FLASH PATTERNS

256+ (including steady-on) Custom available.

DAY / NIGHT TRANSITION

Selectable from 25 to 925 lux in 25 lux increments.

CONSTRUCTION

Premium grade UV resistant, polycarbonate/polysiloxane co-polymer body and lens material. Double O-ring sealing with waterproof vent.

COLORS

Red, Green, White, Yellow and Blue. As per IALA "Optimum" Recommendation E-200-1, dated December 2008.

OPERATING TEMPERATURE

-45 to 124 °F (-43 to 51 °C) ambient temperature. The M650H will function up to 190 °F (88 °C) internal and surface temperatures.

STORAGE TEMPERATURE

-45 to 176 °F (-43 to 80 °C) Not including batteries.

COLOR INDICATOR

Yes. Red, Green, White, Yellow and Blue.

BIRD DETERRENT

Yes. Stainless steel.

WEIGHT

3.5 lb (1.58 kg)

WIND LOADING

140 knots (72 m/s)

ICE LOADING

0.03 psi (22 kg/m²)

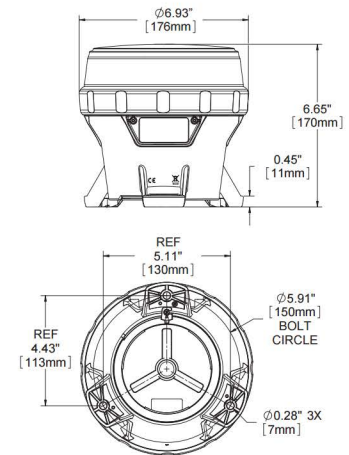
AUTOMATIC LIGHT CONTROL (ALC)

When enabled, ALC will dynamically reduce brightness in response to unusually low amounts of sunlight to ensure continued operation.

GPS SYNCHRONIZATION

Optional GPS enables two or more lanterns to flash in unison.

GENERAL ARRANGEMENT



PEAK INTENSITY (IALA)

COLOR	INTENSITY
Red	30 cd
Green	45 cd
White	60 cd
Yellow	52 cd
Blue	15 cd

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



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