



M850

**Self-contained LED lantern
for buoys and beacons
Range 3 to 6 NM**

The M850 combines a compact, high-efficiency solar engine with premium components and a durable, rugged design, delivering best-in-class performance at an optimal price. This lantern is suitable for use in most solar conditions.

To view projected performance at your installation site, use the Marine Selector Tool at tools.sabik.com.

- Option for standard or wide divergences
- Multiple cost-effective battery pack options suitable for a wide variety of installation locations
- Built-in calendar function for automatic deactivation during off-season months
- Top-mounted-4-character LED display with simple »tap to activate« functionality
- Premium grade, UV resistant polycarbonate lens material
- Environmentally friendly, super durable power-coated aluminium chassis
- Adjustable intensity and range
- IP68 rated
- GPS synchronized flash option
- Remote monitoring options available



Performance

Product	Vertical divergence @ 50% peak intensity	Peak intensity red	Peak intensity green	Peak intensity yellow	Peak intensity white
M850	8°	239 cd	290 cd	320 cd	445 cd

Electrical specification

Solar modules	High-efficiency cells; MPPT; 4 x 1,7 W
Battery	Battery options: 72 Wh capacity 96 Wh capacity
Lens visual/Mechanical diameter	111 mm
Construction	Premium grade, UV resistant polycarbonate lens/head and polycarbonate/polysiloxane co-polymer base
Light source	High Flux Surface Mount LEDs with colour-specific temperature-corrected LED driver
Degree of ingress protection	IP68
Installation	3, 4 or 5x M12 on 200 mm dia.
Bird deterrent	Stainless steel
Interface	4-digit display

Product code

Code	Note
M850-cddd-bbb-opt	
c	Colour (R, G, Y or W)
ddd	Vertical divergence (08D or 10D)
bbb	Battery capacity (72G or 96G)
opt	Option (GPS, SAT, BLE or CP)

Main technical specification

Product code example: M850-R08D-72G-GPS-CP

- ♦ M850-R08D is Sabik code for M850 with 8° vertical subtense in red
- ♦ 72G is a selection of the 72 Wh battery option
- ♦ GPS is a selection of GPS synchronization
- ♦ CP is a selection of external charge port

Options

GPS	GPS synchronization
SAT	Satellite monitoring
BLE	Bluetooth control
CP	External charge port

Dimensions

Product	Product dimensions (DxH) mm	Product weight kg	Packing dimensions (DxWxH) mm	Gross weight kg	Product dimensions (DxH) inch	Product weight lb	Packing dimensions (DxWxH) inch	Gross weight lb
M850-cddd-72G	236x228	5.0	330x330x432	6.8	9.29x8.98	11.1	13x13x17	15.0
M850-cddd-96G	236x228	6.5	330x330x432	7.9	9.29x8.98	14.35	13x13x17	17.4

