

# ML-O350-14 Lantern

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ML-O350-14 lantern is a newly developed medium range LED Marine Signal Lantern that use 1, 2, or 4 layers of light source to reach 9~14 nautical miles. ML-O350-14 lantern is suit for medium and large size light buoys at sea and beacons on shore.

## Features & Benefits

- Supper bright LED save energy
- Patent optic design insure high light efficiency
- High horizontal intensity uniformity
- Computer chip control achieve high reliability
- Line controller select rhythm / No need to open lantern
- UV resistant PC for lens
- Aluminium alloy base with special treatment suits marine environment
- Pass EMC test
- Easy installation and suit equip solar power

## Specifications

- Light source: Supper bright high power LED
- Input voltage: DC12V (10~40V)
- Vertical divergence:  $\geq 7.5^\circ (I_{50\%})$
- Sun switch:  $250 \pm 50$  lx
- Flash rhythm: 256 rhythms site selectable
- Idling current:  $\leq 4$ mA
- Temperature:  $-35^\circ\text{C} \sim +55^\circ\text{C}$
- Protection: IP66
- Dimension:  $\Phi 370 \times 420$ mm,  
 $\Phi 370 \times 500$ mm (2 layers),  
 $\Phi 370 \times 660$ mm (4 layers)
- Installation: 3 and 4- $\Phi 17$  on 200mm bolt circle,  
or 3 and 4- $\Phi 17$  on 300mm bolt circle
- Weight: 25kg (1 layer, include 5m cable)

## Intensity & Range

Color	Layers	Current	Power	Max. intensity	Range (T=0.74)	1s intensity	Range (T=0.74)	0.5s intensity	Range (T=0.74)
Red	1	3.08A	37W	1050cd	9.4nm	875cd	9.0nm	750cd	8.8nm
	2	7.00A	84W	2200cd	11nm	1833cd	10.6nm	1570cd	10.3nm
	4	13.3A	160w	4100cd	12nm	3416cd	11.9nm	2928cd	11.6nm
Green	1	4.33A	52W	1510cd	10.2nm	1258cd	9.8nm	1078cd	9.5nm
	2	10.0A	120W	3580cd	12nm	2983cd	11.7nm	2557cd	11.3nm
	4	18.2A	218W	6160cd	13.1nm	5133cd	12.7nm	4400cd	12.4nm
White	1	4.59A	55.0W	2600cd	11.3	2166cd	10.9nm	1857cd	10.6nm
	2	10.0A	120W	5500cd	13.0	4583cd	12.5nm	3928cd	12.2nm