

ML2000 Solar Powered Marine Navigation port Light

ML2000 use a highly efficient compact lens Self-contained LED lantern for buoys and beacons, solar self-contained design makes it easy to install any emergency case.

Robust body built and surface coating provides good protection against harsh environments. Other advantages like energy saving and cable saving make the solar powered light a good option on obstruction marking.

ML2000 solar light is equipped with a 20W solar panel and 16Ah High-efficiency Lithium rechargeable battery which could power the light up to 20 days(Flash) when the weather is cloudy & rainy.

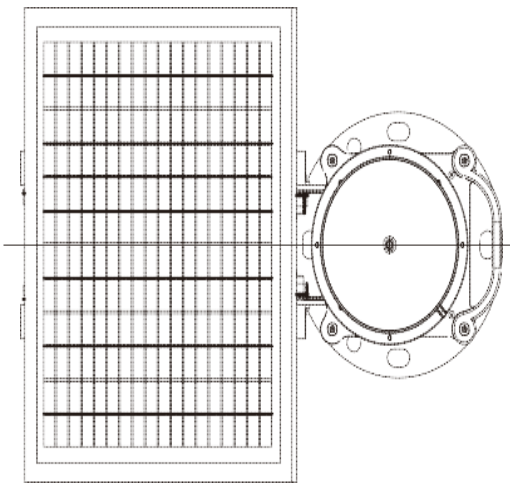
Features

- Green energy
- Ultra-light LEDs, energy saving
- Self-contained without outside power supply
- Maximum visibility distance 20KM
- Cable cost saving & cabling job saving
- No wiring job, nice & easy installation
- 900MHZ wireless signal or GPS can be select
- 256 kinds of Flash frequency.



Specifications

| LIGHT OUT-PUT | |
|---------------------|---------------------------------|
| Intensity | 2000 Candela |
| LED Color Available | Red, Green, Yellow, White, Blue |
| Vertical Divergence | 7 Degree |
| Visible range: | 360 Degree |
| Illumination | Ultra-bright LEDs |
| Visible range: | 10 Nautical miles |



OPERATION

| | |
|----------------|---------------------------------|
| Autonomy | Flashing : 7 days(14 hours/day) |
| On & Off Level | 70/100 Lux |
| Flash Pattern | Flashing (30FPM as default) |

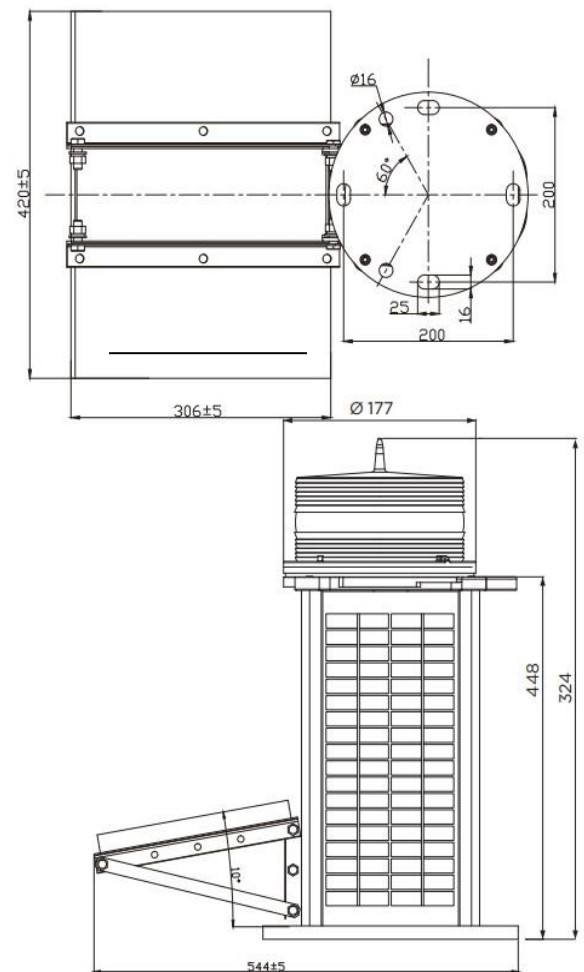
POWER SUPPLY

| | |
|---------------------|---|
| Power Source | Solar module, mono-crystalline silicon |
| Solar Efficiency | 13.5% |
| Max. Power Out-put | 20 Watts |
| Battery Type | High-efficiency NiMH rechargeable battery |
| Battery Capacity | 16 AH / 12V |
| Battery Replacement | Yes, replaceable |

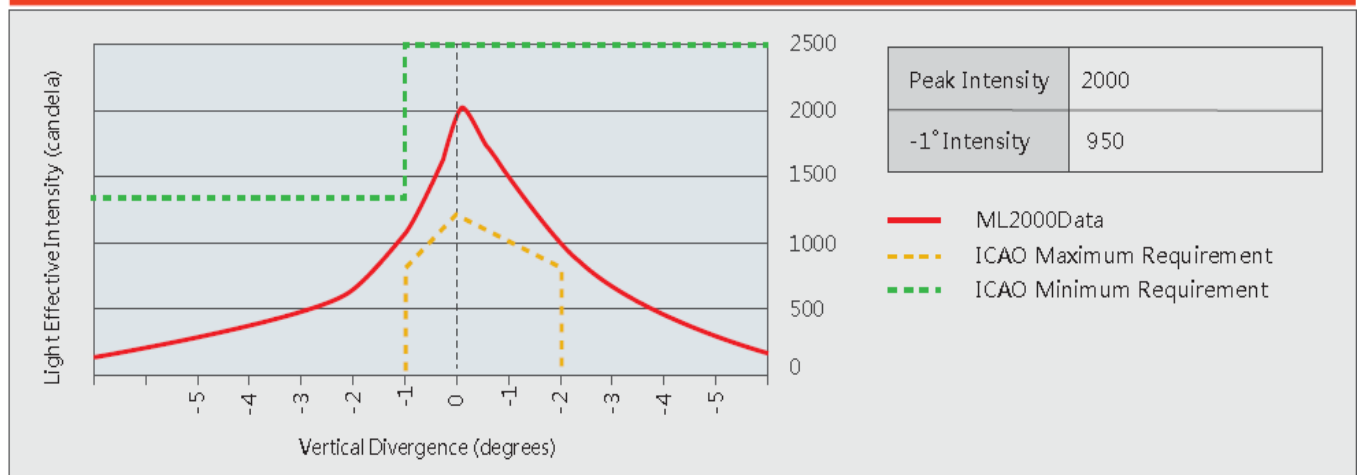
MECHANICAL STRUCTURE

| | |
|------------------------|---|
| Lens | Polycarbonate, UV Stabilized |
| Body | Die-casting Aluminum |
| Water-proof | IP 68 |
| Weight | 15 KG |
| Temperature Range | -40C°~ +55C° |
| Light Dimensions | 296mm H, 235mm Diameter |
| Solar Module dimension | 306mm*420mm |
| Warranty | 5 years for light 2 years for VARA battery |

Note: when the light is in storage, please put it outside to charge the battery every 3 months



ML2000SeriesPhotometricPerformance



Notice:

1. When charge or Working need switch "ON" please make sure the switch is ON.
2. Pay attention to the angle of the solar panel; Sun rays and solar panel 90 degrees as much as possible ;No shadow is allowed whenTest,Make sure no one is standing in front of the solar panel during the measurement!
3. Solar pannel connect right or not? Red: "+" ;Brack: "-".
4. If continuous Rainy days more than 7 days the lights stop working, Battery protection mode will be entered!