



LED Solar Aviation Obstacle Light

Salient Features :

- Nonconventional solar energy green power LED Aviation lighting
- Low Intensity Type A as per ICAO
- Inbuilt day night switch
- Weather proof fitting
- Integrated solar panel
- High efficiency design
- Zero maintenance
- Quick investment returns
- Eliminates cabling, hence reduction in installation cost.

Specification

- ICAO Annex 14 Vol – I , 3rd Edition July 1999, chapter 6

Photometry

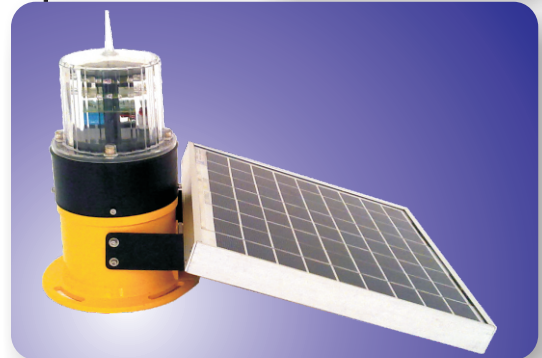
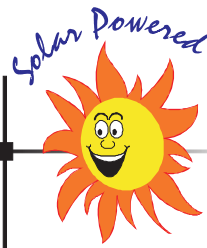
- Intensity > 12 Cd
- Light output Aviation red
- Omni directional horizontal radiation pattern
- Ultra high bright ALGAP technology LEDs
- Expected 1,00,000 burning hours

Electrical Characteristics

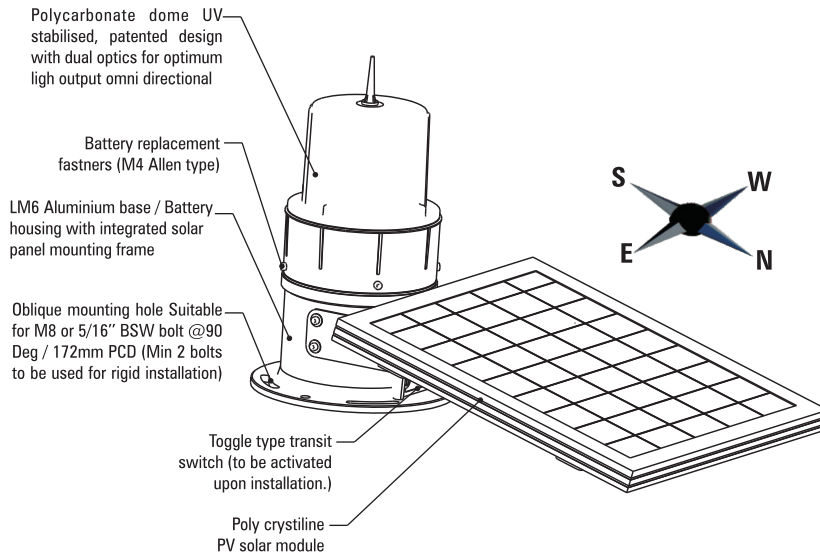
- Multi redundant series parallel circuit
- Innovative wireless bus distribution system
- Reverse polarity protection of battery
- Poly crystallin solar photo voltaic module
- 7AH VRLA SMF battery
- State of art battery charge controller
- Auto day/night switch inbuilt
- Flash mode at threshold battery voltage
- LV detect and auto cut off for battery (prevents deep discharge)
- Transport switch to prevent discharge during shipping
- Float charge feature & Quick/controlled charge feature
- Two day autonomy
- Inbuilt status indicator LED

Mechanical Characteristics

- LM 6 Aluminum housing
- Integrated bird spike
- Easy flange mounting facility
- Aviation yellow / Red UV stabilize PP Powder coated housing
- UV stabilized PC Lens & Collar
- All SS 304 grade hardware
- Patent pending Lens design
- Easy on site battery replacement.
- Scientifically angled PV panel support arm.

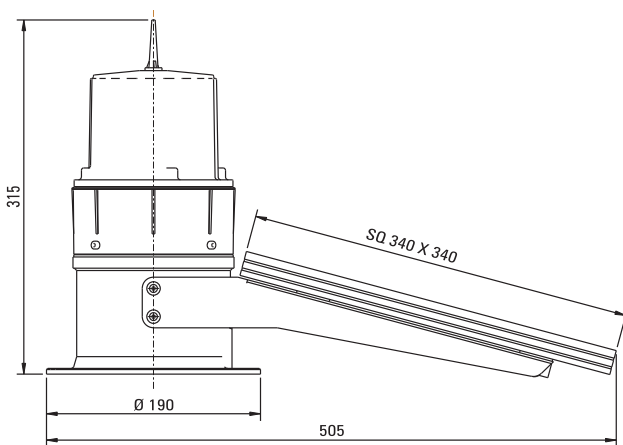


PART DETAILS



LIT10-SL

DIMENSIONAL DETAIL



NOTE

- During Installation Face the solar panel to the South / North direction only.
- Transit switch located under the panel at the base of the fitting to be activated upon installation and ensure to put PC cover for switch.
- Minimum two or more bolts to be fastened for rigid installation.
- Handle the fitting carefully to avoid any damages to the solar panel or to the lamp
- Do not lift the fitting using solar panel / panel support arm

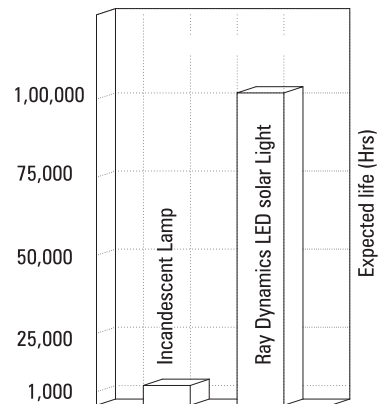
TOOLS REQUIRED FOR INSTALLATION

- **For new installation**
Spanner size No. 16 suitable for M8 or 5/16 BSW Hex Bolt.
Flat Blade Screwdriver (for transit switch cover) suitable for M4 screw
- **For battery replacement**
Allen key suitable for M4 screw
Flat Blade Screwdriver (for transit switch cover & battery clamp) suitable for M4 screw

All dimensions are in mm

Note : Technical Specification given are subject to change without prior notice

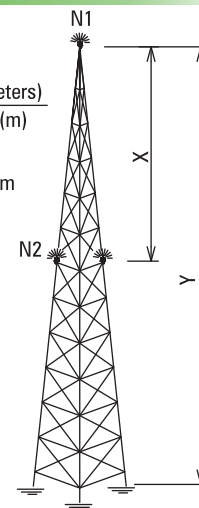
BURNING HOURS CHART



LIGHTING TALL STRUCTURES*

$$\text{Number of lights} = N = \frac{Y \text{ (meters)}}{45 \text{ (m)}}$$

$$\text{Lamp spacing} = X = \frac{Y}{N} < 45\text{m}$$



*As per ICAO Annex 14 VOI-1 low

AUTHORISED DEALER