



Profile:

Since 2007 Ray Dynamics is one of the leading manufacturers of LED based Aviation Obstacle Lighting products as per ICAO norms an flight simulator trainer devices in LED lighting history RAY DYNAMICS products stands as a pioneer and is a part of our effort to constantly provide the Indian market with high quality products and services. Riding on this segment with esteemed customer support and geared up to spice the competition with its impulsive products. Having maintained a leading Image by leveraging high quality technology with its thorough understanding of the Indian market, Ray Dynamics is confident that its products will fascinate the users across India with agility, comfort and affordable price. This will provide impetus to Ray Dynamics aim to capitalize on the emerging opportunities in the Indian next generation industry and maintain its competitiveness across all market segments.

20th February 2024

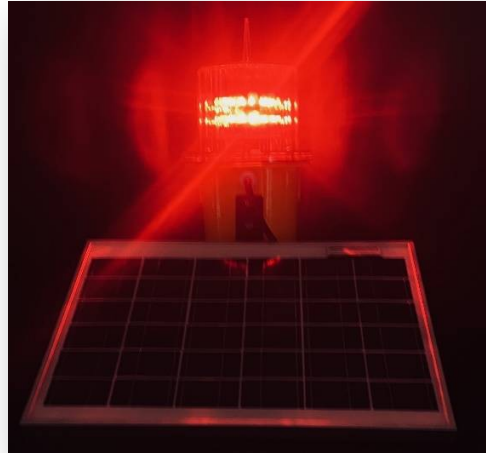
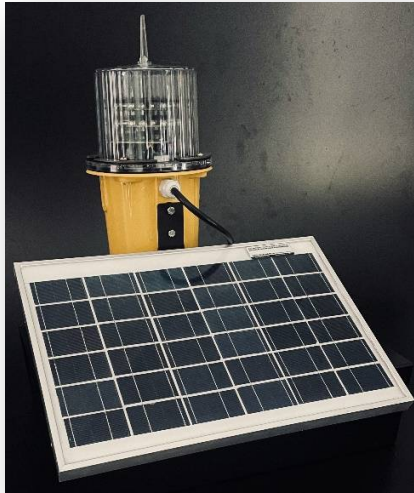
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SOLAR LED AVIATION OBSTACLE Lamp



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NOTE: Image is for purely illustrative purpose only. Actual final product may vary in design and tech spec...

Salient Features:

- LED based solid state technology**
- Compliance as per ICAO Annex-14 Low Intensity Type-A**
- Day/Night auto sensing**
- Long life time 50K hours LED life expectancy**
- LM6 Alloy aluminum body with yellow PP powder coat**
- Stabilized high efficacy RED LED's**
- Lightweight and compact with integrated bird spike protection**
- Intelligent MCU based control logic for charging and load management**
- Lithium battery with inbuilt BMS**
- Omnidirectional RED light output**
- 10wp/12v Solar module**
- Lab Tested**

Technical Specification: Solar LED Aviation Obstacle lamp : LIT10-SL

PHYSICAL CHARECTERESTICS	
Main Frame body	LM-6 Grade Aluminum alloy
Coating	PP grade powder coat YELLOW
Light engine lens / UV	Poly Carbonate UL94-V UV resistance
Lens design	Patented secondary optics design with bird spike
Hardware's	Stainless steel Grade 306
PCB's	Glass epoxy FR-IV grade UVLO94 flammability
Ingress Protection (IP)	IP-66 light engine as per (Cl 10 & 5 of IEC 60529)
Gaskets	Ozone resistant all weather anti cracking material
Fixing	M5 SS bolt at bottom of fitting
Product weight	3 Kgs appx
OPTICAL & ELECTRICAL CHARECTERESTICS	
Light Engine	Hi efficiency water clear RED LED with steady light output
LED Life expectancy	50,000 burning hours *(under standard conditions)
Beam spread and Candela level	Omni directional >15 Candella
Compliance	In accordance with ICAO Annexure-14 Low Intensity Type-A requirements
Battery	Replaceable LiON 6.6AH with BMS protection
Backup time	18 Hrs / standby 24Hrs (@12Hrs night operation)
Mains Input Voltage & operating band	Solar Based 12v DC
Input Wattage	3 watts @ 12v DC
Power supply management	Fully integrated MCU algorithm for charge discharge
LED Circuit Redundancy	Series parallel with solid bus connect type
Cable entry and Glands	Weather proof PG9 Polyamide weather proof type
Day Night sensor	Inbuilt automatic
Patents & Trademarks	LENS & Wireless hardware are under patent and RAYDYNAMICS is registered trademark
Model Number / Make	LIT10-SL / Ray Dynamics
Country of origin / Manufacturing	INDIA
<i>Note: All specifications/dimensions are subject to change due continual R&D efforts in manufacturing</i>	



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