



Doc No: AES/AL/Spec/01.

Aviation Warning Lamp Technical Specifications

Areca Embedded systems pvt Ltd
(An ISO9001:2000 certified company)

Plot No 5B, Survey No 184 & 185, Phase-V, IDA Cherlapally, R.R District, 500 051, AP, India.
Tel: + 91 (40) 32566332, 32916873, Fax : +91 (40) 2714 4460 / 61 E Mail: info@areca.in
Web: www.areca.in

Aviation Warning Lamp



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		Issue No: 1	Rev. No: 0
		Page 3 of 4	

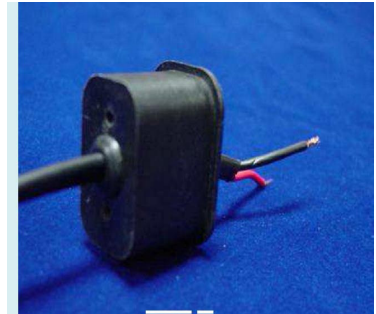
SPECIFICATIONS

- Housing : Aluminium LM-6 Grade Polycarbonate UV**
- Dome : Stabilized optical grade. Integrated with Dome.**
- Bird Spike : 20V to 270VAC**
- Input voltage : 24V to 60V**
- For AC Input : 7W**
- For DC Input : 30 Lux at 1m**
- Power consumption: 360°**
- Light output : ±10°**
- Horizontal spread : Current through LED's under all**
- Vertical spread : Operating temperature range: -10°C to +60°C**
- Protection : IPX5 (equivalent to IP 65)**
- Expected Burning Life: 100,000 hours.**
- Certification : From ERTL**
- Meets ICAO standards Low Intensity Type B, (Fixed Obstacles)**

Areca Embedded systems Pvt Ltd (AESPL) Aviation Warning Lamp is a Low Intensity LED based product. The lamp works on both i.e.AC single phase with I/P range from 20V to 270V or DC with I/P range from 24V to 70V. LEDs are arranged in multiple arrays so that failure of any one LED will not significantly affect the light output. The lamp is equipped with a LDR based twilight switch and will automatically turn ON when the ambient light condition is poor and will switch OFF when light conditions improve. If LDR is bypassed, the Aviation Warning Lamp can be controlled by I/P supply.

INSTALLATION INSTRUCTIONS

1. Fix the Aviation Warning Lamp (AWL) on the Tower/ On top of the building. The AWL has suitable pipe thread for fixing.
2. Open the protective cap of the power connector and route the power cable through the rubber grommet on the protective cap as shown in the Fig 1



3. The power connectors are of spring cage type. Use a flat 3mm screw driver to open the wire inlet of the power connector to connect the power cable. Place the wire in the opening and remove the screw driver. The procedure is illustrated in Fig 2.



4. Connect the power cable as per polarity P/N. (For AC-Phase/ Neutral or for DC-Positive/ Negative) as shown in Fig 3.
5. Power the AWL.
6. The Yellow colour LED on the AWL housing shows availability of power.
7. Close the light sensor (LDR) on the AWL housing to cut the light, the AWL will glow.
8. After testing, reconnect the protective cap on the power connector.