

LED AND HALOGEN ELEVATED APPROACH, THRESHOLD, THRESHOLD WING BAR AND RUNWAY END LIGHT

APPLICATIONS

Approach, Threshold, Threshold Wing Bar and Runway End for ICAO CAT I, II, III and military runways Used for Stop Bar lighting on ICAO/FAA taxiways



BENEFITS

- 60000 hours LED rated life at full intensity, but over 100000 hours in field operating conditions
- 1500 Hours Halogen rated life at full intensity, 4000 hours can working low intensity.
- In new installation, LED lights mean lower loads, lower size of CCRs and transformers, thus low life cycle costs
- The light output is variable like a traditional halogen lamp, as indicated by the FAA "Engineering Briefing No.67"
- Colour emitted directly by LEDs: absence of coloured filters ensures no energy losses and no colour shifts
- Fully compatible with existing AFL infrastructure*
- Designed with simplicity allowing longer maintenance intervals and fewer spare parts
- Transparent front protection mechanically fastened to the body by means of a suitable frame with silicone gasket, making its replacement quick and easy
- No optical adjustment after LED module or lens array replacement
- Operating with any topology of CCRs designed in compliance with IEC or FAA requirements
- For monitored fixtures, isolation transformer max size: 150VA

COMPLIANCES

- ICAO:** Annex 14 - Volume I Fig. A2-1, A2-2, A2-3, A2-4, A2-8
EASA: CS-ADR-DSN Fig. U-5, U-6, U-7, U-8, U-12
FAA: L-862S L-862E AC150/5345-46
IEC: EN-61827
NATO: STANAG 3316
CAA: CAP 168 (GB)
TCCA: TP312 (CDN)
CASA: MOS 139 (AUS)

PERFORMANCES

- The electronic is strong-built and highly resistant to shock and vibration
- Automatic adaptation to the frequency of the supply current
- A surge protection device is provided in the electronics as required by the FAA "Engineering Briefing No.67"
- Immediate detection of an internal fault
- Lightweight and sturdy due to aluminium die-castings
- Powder coating surface finishing to provide good corrosion resistance
- Body balanced on a special support for proper and accurate horizontal and vertical aiming
- High jet blast resistance due to the small size of the Threshold and Runway End fixture, 310 mm high
- Protection degree: IP67
- Temperature range: -55°C to +55°C

INSTALLATION

- The fixture can be installed on pipe elbow or baseplate
- Specific tools available for easy and precise installation



PHOTOMETRIC PERFORMANCES

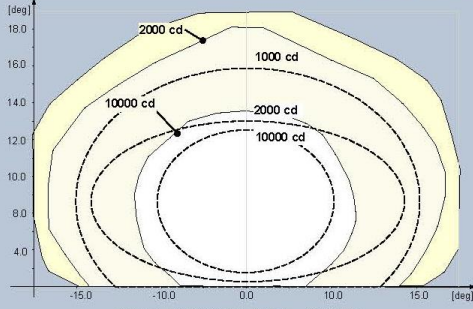


Fig. 1 ICAO Fig. A2-1 – White

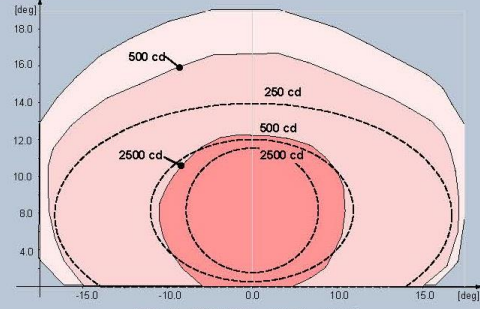


Fig. 2 ICAO Fig. A2-2 – Red

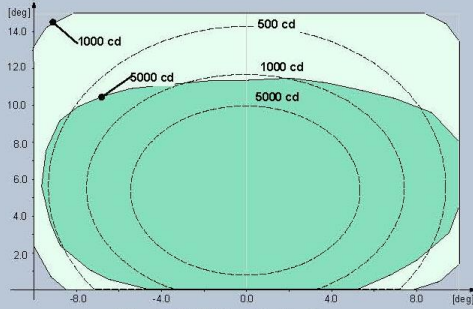


Fig. 3 ICAO Fig. A2-4 – Green

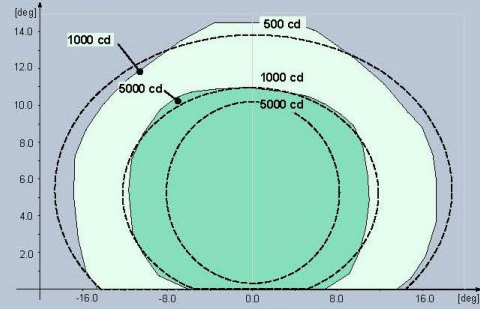


Fig. 4 ICAO Fig. A2-3 – Green

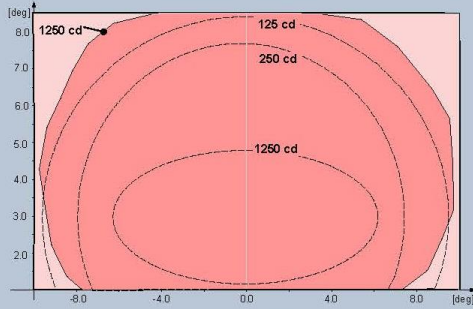


Fig. 5 ICAO Fig. A2-8 – Red

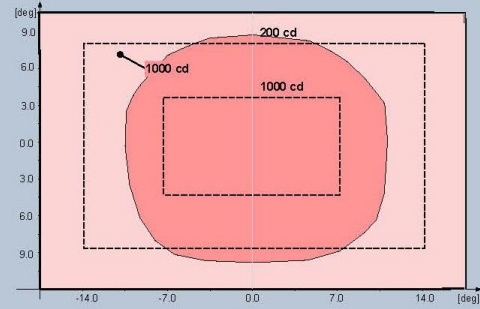


Fig. 6 FAA L-862S – Red

TABLES

POWER CONSUMPTION * (w/o Arctic Kit)	
Electrical System	1 Plug
Approach White	38VA
Approach Red	26VA
Threshold/Threshold Wing Bar Green	30VA
Runway End/FAA Stop Bar	20VA
ICAO Stop Bar	17VA
* Measured at 6.6 A	

POWER FACTOR		
Input Step	2.8 A	6.6 A
Power Factor	0.96	0.98

