

LED APPROACH, CROSSBAR AND SIDEROW INSET LIGHT 12 INCH

APPLICATIONS

Approach (centreline and crossbars) and
Approach Side Row Barrettes for ICAO CAT I, II
and III, and military runways



BENEFITS

- 60000 hours LED rated life at full intensity, but over 100000 hours in field operating conditions
- 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
- No use of sealant to fix the prisms in the dome thanks to customized gaskets, making their replacement quick and easy
- No optical adjustment after LED module or prism replacement
- Valve for watertightness test after overhaul
- Operating with any topology of CCRs designed in compliance with IEC or FAA requirements
- For monitored fixtures, isolation transformer max size: 200VA

INSTALLATION

- Suitable for 12" dia. Bases
- Specific tools available for easy and precise installation

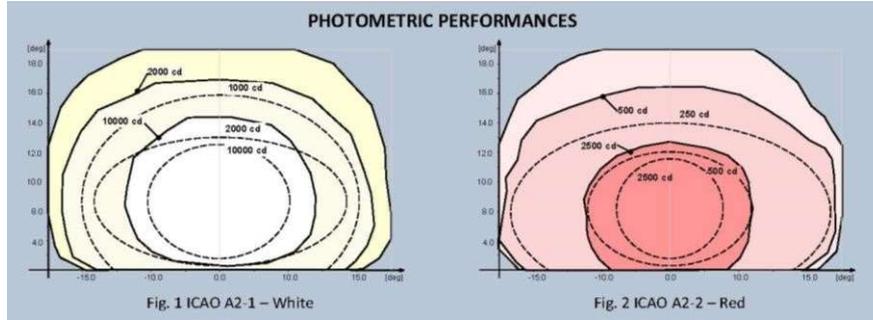
COMPLIANCES

ICAO: Annex 14 - Volume I Fig. A2-1, A2-2
FAA: AC 150/5345-46, FAA L-850E
EASA: CS-ADR-DSN Fig. U-5, U-6
IEC: EN-61827
NATO: STANAG 3316
CAA: CAP 168 (GB)
IAAE: TP312

PERFORMANCES

- Lightweight, sturdy, low-energy and environment friendly lighting fixtures (no cadmium plating)
- Normal protrusion (12,7 mm) reduces vibrations induced in aircraft
- Smooth outer surface of light cover avoids fire damage and makes light less sensitive to snowplows
- Long life halogen lamps: 1000 hours at full intensity, in excess of 3000 hours in practical use
- Low temperature lights: temperature at center of top cover remains below 160 °C ICAO specified limit
- Finish: aluminum alloy cover, inner cover and optical support; plain stainless steel hardware
- Drop-forged dome and cast aluminium lower cover make the fitting sturdy, but lightweight too for ease handling in the field
- Light output practically not affected by heavy rainfall thanks to the shallow channel in front of the prism windows
- O-Ring placed outside the dome to avoid dirt deposits between light and base
- Protection degree: IP67
- Temperature range: -55°C to +55°C





TABLES

POWER CONSUMPTION*	
Electrical System	1 Plug
Approach White (w/o Arctic Kit)	73 VA
Approach White (with Kit Artico)	113 VA
Approach Red (w/o Arctic Kit)	61 VA
Approach Red (with Kit Artico)	101 VA

* Measured at 6.6 A and referred to the highest consumption configuration

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

