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- 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*

▶ 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
- 6.35 mm protrusion strongly reduces vibrations to aircrafts and to light itself, increasing its lifetime
- Dome smooth outer profile makes the light less sensitive to snowplough blades
- Unidirectional, 8" dia.
- 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: IP68
- Temperature range: -45°C to +55°C

▶ INSTALLATION

- Suitable for 8" dia. bases
- Adaptor ring for installation on 12" dia. bases
- Specific tools available for easy and precise installation

▶ COMPLIANCES

- ICAO** Annex 14 - Volume I Fig. A2-5
- EASA** CS-ADR-DSN, Book 1, Fig. U-9
- FAA** L-850B(L) AC150/5345-46 and EB No.67
- IEC** TS 61827
- NATO** STANAG 3316
- CAA** CAP 168
- TCCA** TP312
- CASA** Manual of Standards Part 139

▶ APPLICATIONS

Touchdown Zone for ICAO CAT I, II and III, FAA 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

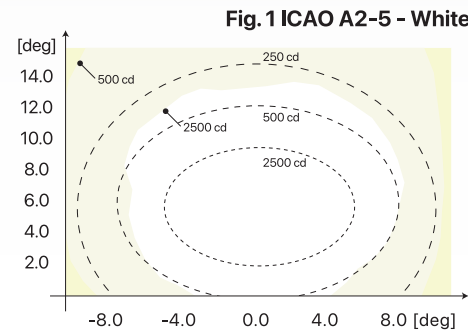


► **MAIN COMPONENTS OF THE LIGHT UNIT**

- 1: Dome (Upper Cover)
- 2: O-Ring for dome
- 3: Prism Gasket
- 4: Prism
- 5: Prism holder gasket
- 6: Prism holder
- 7: Reflector and Led Module
- 8: Bracket
- 9: Lower cover with electronic
- 10: Lower cover gasket
- 11: Gland
- 12: Plug

*Refer to the relevant technical manual for the complete list of the available spare parts

► **PHOMETRIC PERFORMANCE**



SHIPPING WEIGHTS & VOLUMES			
	Light Unit	Shallow Base	Light Unit & Adaptor Ring
Weight(kg)	2.7	3.2	5.85
Volume(m³)	0.007	0.007	0.013

POWER CONSUMPTION	
Electrical System	1 Plug
Unidirectional (w/o Arctic Kit)	16 VA
Unidirectional (with Arctic Kit)	36 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

