

## LIRT LED Inset Threshold & Threshold Wing Bar Light



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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, 12" 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: -45C to +55°C

### ▶ COMPLIANCES

- ICAO** Annex 14 - Volume I Fig. A2-3 and A2-4
- EASA** CS-ADR-DSN Fig. U-7 and U-8
- FAA** L-850E(L) AC150/5345-46 and EB No.67
- IEC** TS 61827
- NATO** STANAG 3316
- CAA** CAP 168
- IAAE** TP312

### ▶ APPLICATIONS

Threshold and Threshold Wing Bar 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

### ▶ INSTALLATION

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



► **MAIN COMPONENTS OF THE LIGHT UNIT**

- 1 : Dome ( Upper Cover )
- 2 : O-Ring for dome (internal)
- 3 : O-Ring for lower cover
- 4 : Prism Gasket
- 5 : Prism
- 6 : Prism holder gasket
- 7 : Mounting plate
- 8 : LED module with accessories
- 9 : Optical Lens
- 10 : Heat Sink
- 11 : Bracket
- 12 : Lower cover with electronic
- 13 : Valve for watertightness test
- 14 : Plug

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



► **PHOMETRIC PERFORMANCE**

Fig. 1 ICAO Threshold A2-3 - Green

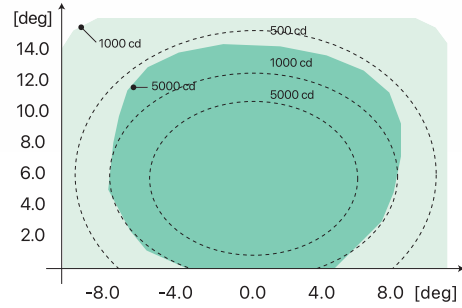
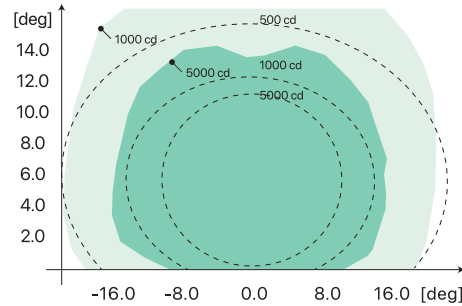


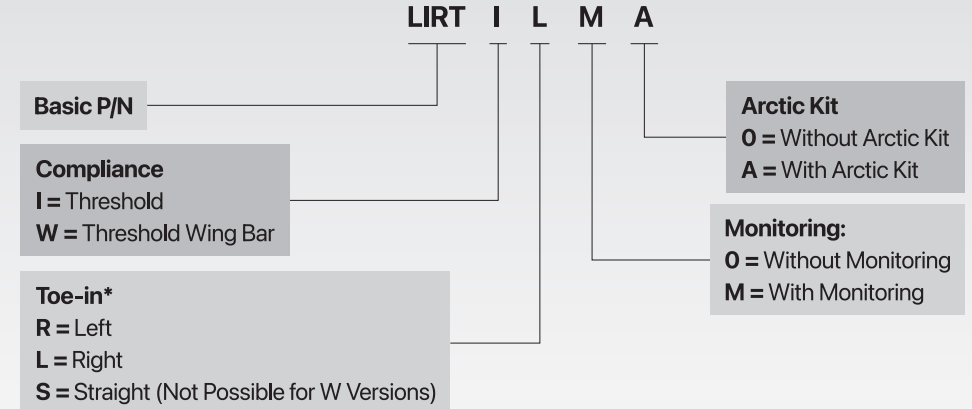
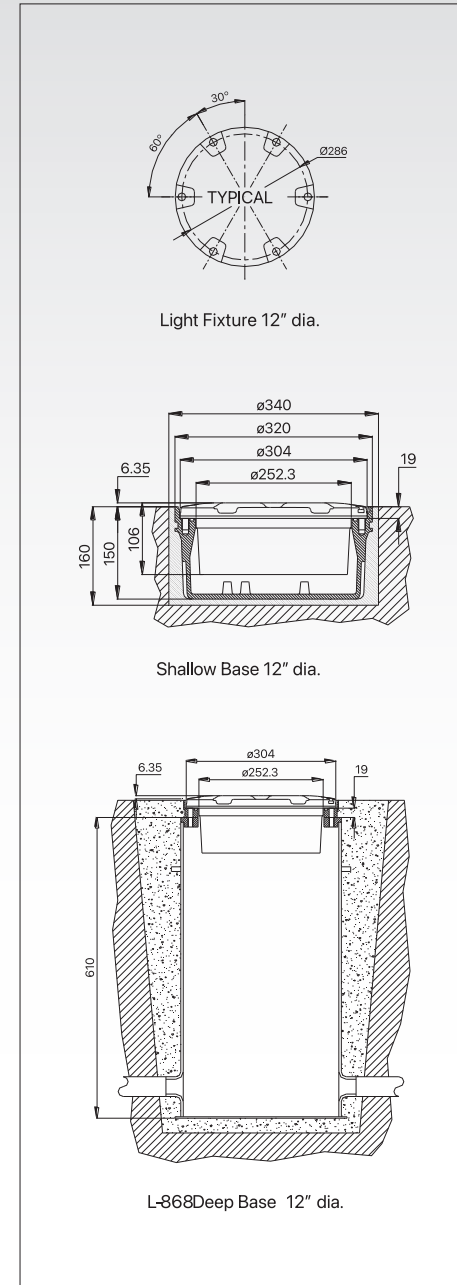
Fig. 2 ICAO Threshold Wing Bar A2-4 - Green



POWER CONSUMPTION	
<b>Electrical System</b>	<b>1 Plug</b>
Threshold (w/o Arctic Kit)	36 VA
Threshold (with Arctic Kit)	76 VA
Threshold Wing Bar (w/o Arctic Kit)	73 VA
Threshold Wing Bar (with Arctic Kit)	113 VA

POWER FACTOR		
<b>Input Step</b>	2.8A	6.6A
<b>Power Factor</b>	0.96	0.98

SHIPPING WEIGHTS & VOLUMES		
	<b>Light Unit</b>	<b>Shallow Base</b>
<b>Weight(kg)</b>	7.3	7.3
<b>Volume(m³)</b>	0.022	0.022



\* The beam aiming is not field adjustable

