



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

## ▶ 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
- Bidirectional or 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

## ▶ COMPLIANCES

ICAO	Annex 14 - Volume I Fig. A2-6, A2-7, A2-16
EASA	CS-ADR-DSN, Book 1, Fig. U-10, U-11, U-16
FAA	L-850A-T(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

## ▶ 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,

## ▶ APPLICATIONS

Runway centreline for ICAO CAT I, II and III, FAA and military runways  
R.E.T.I.L. ICAO and FAA RWSL, THL and RIL (L850-T) applications

## ▶ INSTALLATION

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

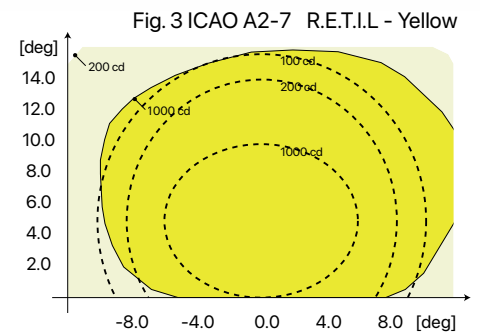
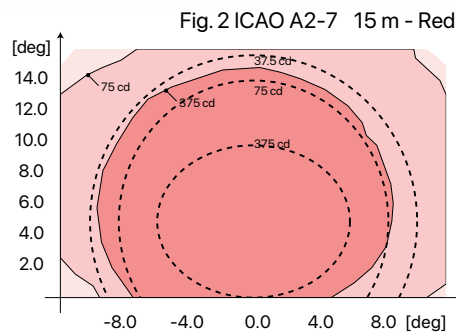
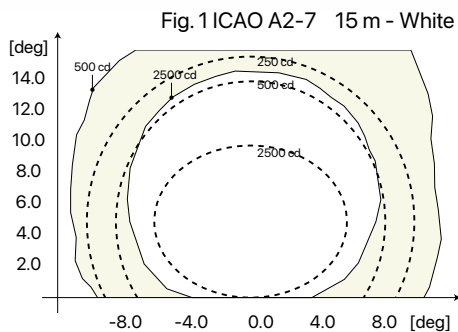
## MAIN COMPONENTS OF THE LIGHT UNIT

- 1 : Dome ( Upper Cover )
- 2 : O-Ring for dome
- 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*



## PHOTOMETRIC PERFORMANCE



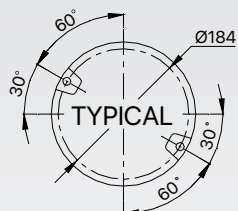
### POWER CONSUMPTION\*

Electrical system	1 Plug	2 Plugs
Unidirectional (w/o Arctic Kit)	16 VA	-
Unidirectional (with Arctic Kit)	36 VA	-
Bidirectional (w/o Arctic Kit)	29 AV	32 AV
Bidirectional (with Arctic Kit)	49 AV	72 AV

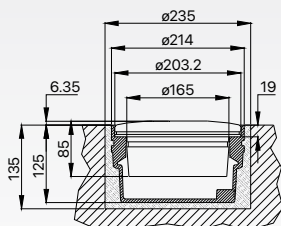
*\* Measured at 6.6 A and referred to the highest consumption configuration*

### POWER FACTOR

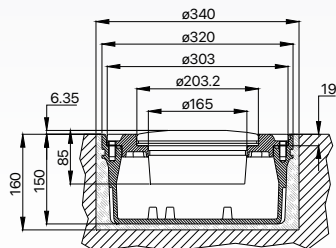
Input Step	2.8A	6.6A
Power Factor	0.96	0.98



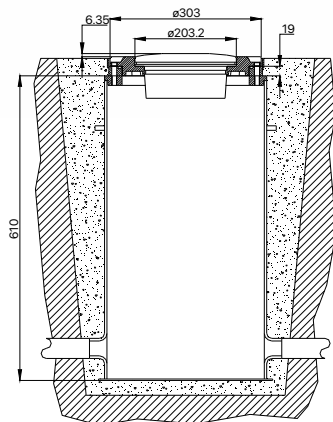
Light Fixture 8" dia.



Shallow Base 8" dia.



Shallow Base 12" dia.



L-868 Deep Base 12" dia.

LIRC - I - WR - 2P - 0 - M - A

Basic P/N

Compliance

I = ICAO

T = Rapid Exit Taxiway Centreline

Colour(Side A)/(Side B)

W = White

R = Red

Y = Yellow (R.E.T.I.L. and Rapid Exit Centreline ICAO)

G = Green (Rapid Exit Taxiway Centreline ICAO)

M = Blank (unidirectional dome)\*

Cable and plug

1P = One Plug (for Shallow Base, L = 25cm)

2P = Two Plugs (for Shallow Base, L = 25cm)

Mounting Assembly

0 = No Mounting Assembly

R = Adaptor Ring 12-"8" dia.

Monitoring

0 (Without Monitoring)

M (With Monitoring)

Arctic Kit

0 = Without Arctic Kit

A = With Arctic Kit

\* The aperture not finished "M" will be always on side "B"

## SHIPPING WEIGHTS & VOLUMES

	Light Unit	Shallow Base	Light Unit & Adaptor Ring
Weight(kg)	3.7	3.2	6.85
Volume(m³)	0.007	0.007	0.013

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