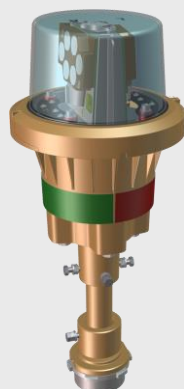


LERE



LED ELEVATED RUNWAY EDGE AND THRESHOLD/END LIGHT

COMPLIANCES

ICAO: Annex 14 - Volume I Fig. A2-3, A2-8, A2-9, A2-10, par. 5.3.9.8 e 5.3.9.9

FAA: L-862-E(L) AC150/5345-46 and EB No.67

IEC: TS 61827

NATO: STANAG 3316

CAA: CAP 168

TCCA: TP312

EASA: CS-ADR-DSN, Book 1, fig.U-13, U-14, U-7, U-12

CASA: Manual of Standard Part 139

APPLICATIONS

Runway edge and threshold/end for ICAO CAT I/II/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
- Customized gasket for glass cover to avoid the use of sealing
- 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

PERFORMANCES

- The electronic is strong-built and highly resistant to shock and vibration
- Power supply via series circuit (2.8 - 6.6 A)
- 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
- In bidirectional versions of runway edge light, the omnidirectional component for the "circling guidance" function is included
- Optional fixed brightness circular routing component for white and amber lights
- Lightweight and sturdy due to aluminium die-castings
- Powder coating surface finishing to provide good corrosion resistance
- Body balanced on the slipfitter for proper levelling by means of four external screws
- High jet blast resistance due to the small size of the fixture, 320 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

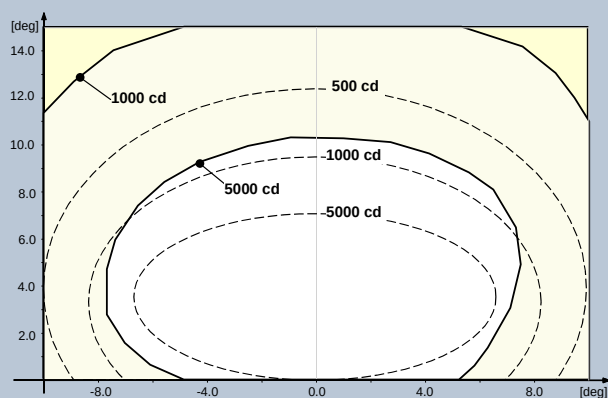


Fig. 1 ICAO Fig. A2-10 60 m – White

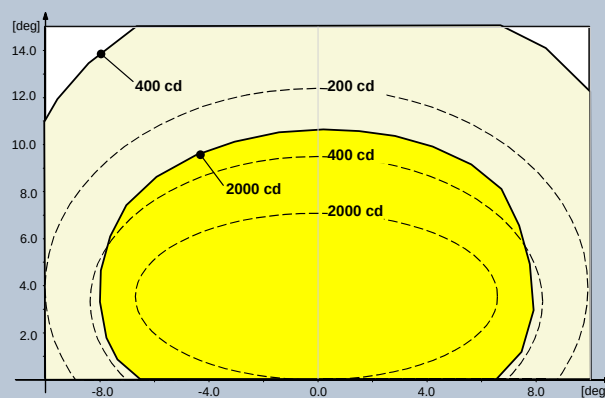


Fig. 2 ICAO Fig. A2-10 60 m – Yellow

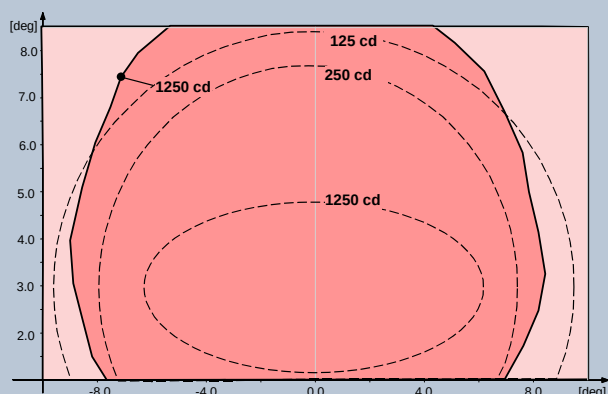


Fig. 3 ICAO Fig. A2-8 – Red

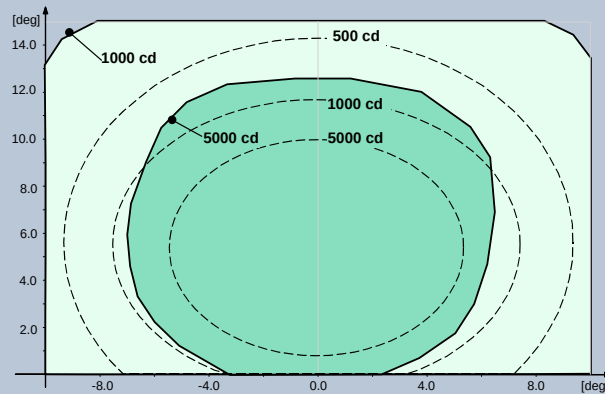


Fig. 4 ICAO Fig. A2-3 – Green

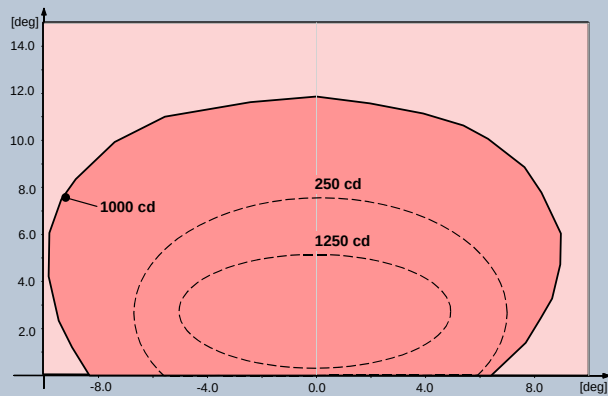


Fig. 5 FAA L-862E – Red

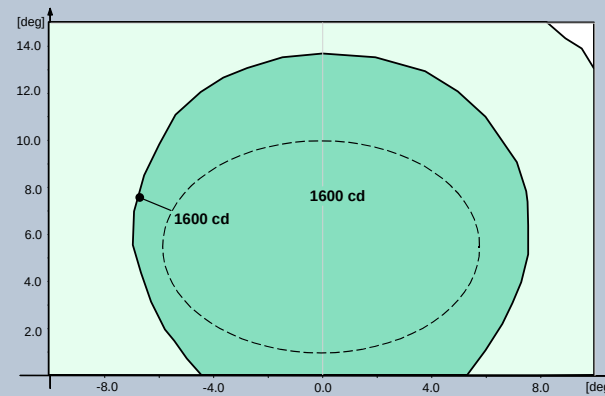


Fig. 6 FAA L-862E – Green

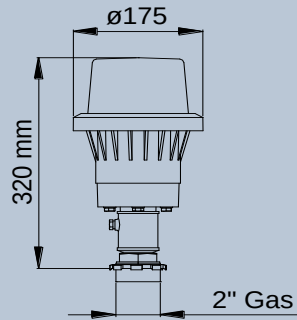
TABLES

POWER CONSUMPTION (WORST CASE)*

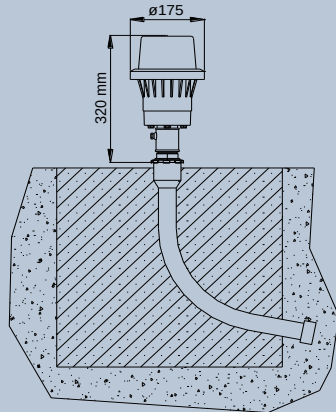
Power factor** >0,98		Primary Conductor Isolation Transformer		FIXTURE	
1IN/1OUT	Without Arctic Kit	42 W	42,4 VA	31,7 W	32,1 VA
	With Arctic Kit	57,7 W	57,9 VA	50,1 W	50,5 VA

* | Measured at 6,6 A with toroidal isolation transformer 65 W. The values reported refer to the maximum power absorbed between configurations and available colours (worst case). For further detail please refer to the product manual.

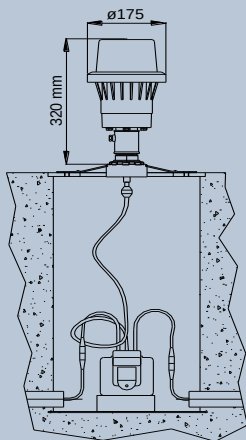
** | Measured at 6,6 A. The value reported refers to the minimum value between the configurations and the available options (worst case).



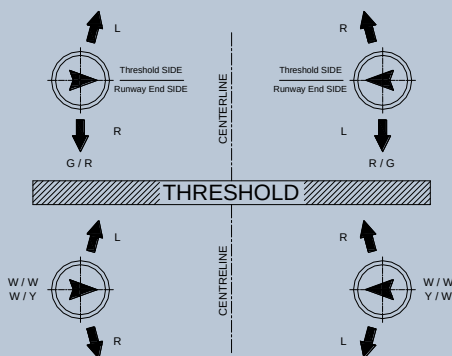
ICAO Overall Dimensions



Pipe Elbow



FAA L-867 Deep Base and Base Plate



LERE - F - T - WR - 14 - C - M - 0 - CG

Basic P/N: _____

Compliance: _____

S = ICAO 45 m Runway Edge and
Threshold/Runway End

I = ICAO 60 m Runway Edge

F = FAA

Use: _____

T = Threshold/End

E = Edge

Colour (Side L)/(Side R)*: _____

W = White

Y = Yellow

R = Red

G = Green (NO Runway Edge ICAO)

M = No LED Source (unidirectional light)

Height: _____

00 = Without pole (mandatory for "I" and "S"
Compliance) (**)

14 = 14"

20 = 20"

24 = 24"

30 = 30"

Breakable Coupling: _____

A = 1"1/2-12 UNF (for "14" to "30" Height)

B = 2"-11 1/2 NPS (for "14" to "30" Height)

C = 2"-11 GAS (mandatory for "00" Height)(**)

D = 2"-11 GAS (for "14" to "30" Height)(**)(***)

Monitoring: _____

0 = Without Monitoring

M = With Monitoring

Arctic Kit: _____

0 = Without Arctic Kit

A = With Arctic Kit

Options: _____

CG = With fixed brightness circling guidance component (only with W and Y colors) (**)

White >30cd from 2.8 A

>50cd from 4.1 to 6.6 A

Yellow >15cd from 2.8 A

>50cd only 6.6 A

* The beams aiming is not field adjustable

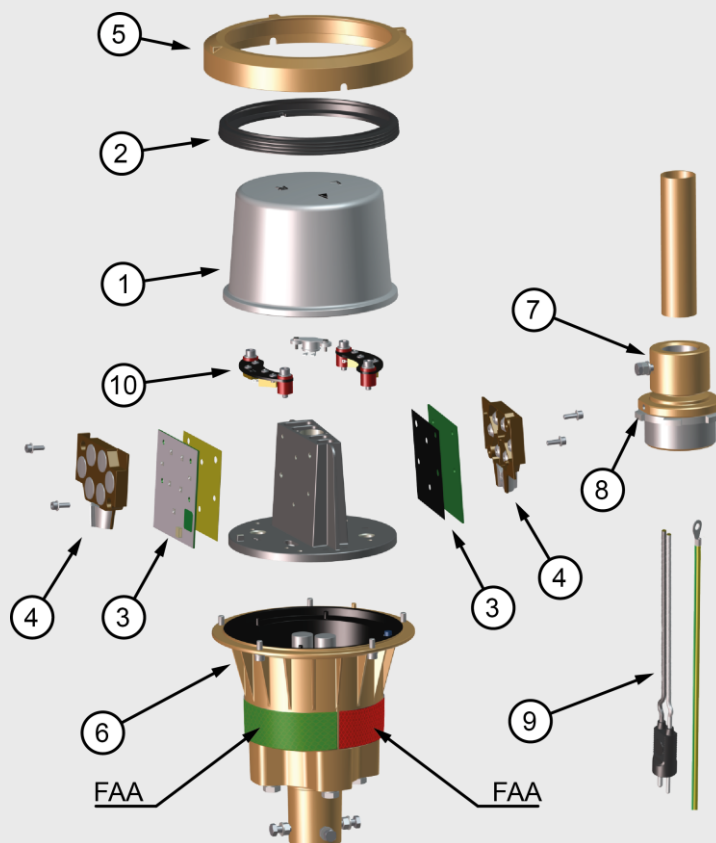
** Not defined by FAA.

*** For snow areas, with EMT 1" pole.

MAIN COMPONENTS OF THE LIGHT UNIT

- 1 Clear outer glass cover
- 2 Gasket for glass cover
- 3 LED module
- 4 Lens array
- 5 Glass cover locking ring
- 6 Body with electronic and plug
- 7 Breakable coupling
- 8 Ring nut (ICAO versions)
- 9 FAA L-823 plug
- 10 Arctic Kit

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

**ACCESSORIES**

- | | |
|----------|---|
| 013.0008 | Galvanized steel pipe elbow with upper threaded end only (2" - 11 GAS thread) |
| 315.3210 | Galvanized steel pipe elbow with both threaded ends (2" - 11 GAS thread) |
| 013.0010 | Set of two ryton rings for receptacle support inside pipe elbow |
| 315.1228 | Base L-867, Class IA, Size B, 24" Deep |
| 315.1062 | Baseplate for L-867 base with gasket and cable clamp (2"-11 GAS thread) |
| 315.1063 | Baseplate for L-867 base with gasket and cable clamp (2" - 11 1/2 NPS thread) |
| 315.1082 | Baseplate for L-867 base with gasket and cable clamp (1"1/2 - 12 UNF thread) |
| 332.4556 | Levelling device |

For any information about isolating transformers and connectors, please see the specific catalogue pages

Shipping Weights and Volumes	
	Light Unit
Weight (kg)	5.0
Volume (m ³)	0.016

We reserve the right to change the design or specification data without notice

UC-PU-0264_EN-Rev.P