

LETE

LED ELEVATED TAXIWAY EDGE LIGHT



COMPLIANCES

ICAO: Annex 14 - Volume I par. 5.3.18.8
EASA: CS ADR-DSM, Book 1, par.M.720 (c) (3)
FAA: L-861T(L) AC150/5345-46 and EB No.67
IEC: TS 61827
NATO: STANAG 3316
CAA: CAP 168
IAAE: TP312

APPLICATIONS

Taxiway edge for ICAO, FAA and military taxiways
White Omnidirectional Approach and Unserviceability lights

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 lenses 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 lens gasket to avoid the use of sealing
- No optical adjustment after LED module or lens replacement
- 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
- 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 three screws
- High jet blast resistance due to the small size of the fixture, 230 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

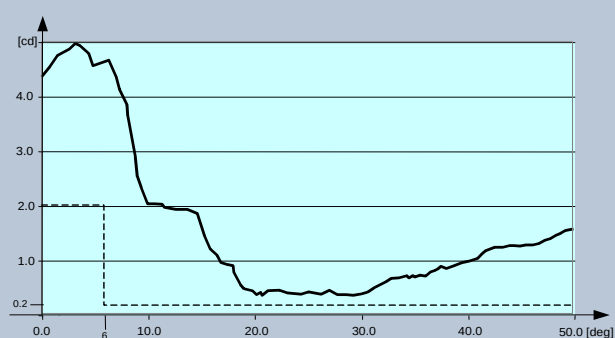


Fig. 1 ICAO par. 5.3.18.8 and FAA L-861T – Blue

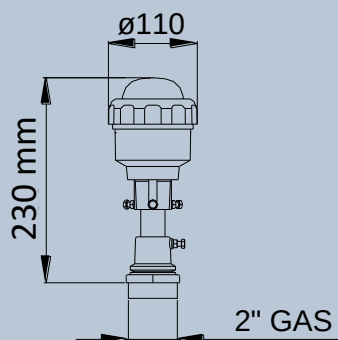
TABLES

POWER CONSUMPTION (WORST CASE)*

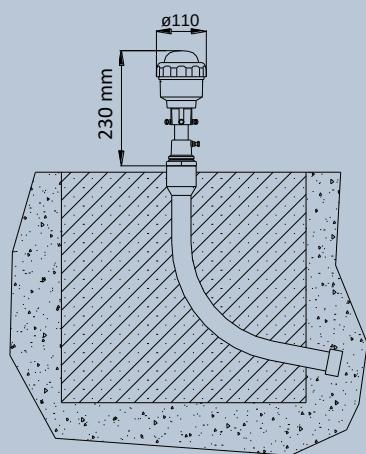
Power factor** >0,98		Primary Conductor Isolation Transformer		FIXTURE	
1IN/1OUT	Without Arctic Kit	13,9 W	14 VA	5,4 W	5,7 VA
	With Arctic Kit	20,9 W	20,9 VA	11,4 W	11,6 VA

* | Measured at 6,6 A with toroidal isolation transformer 20 / 25 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.

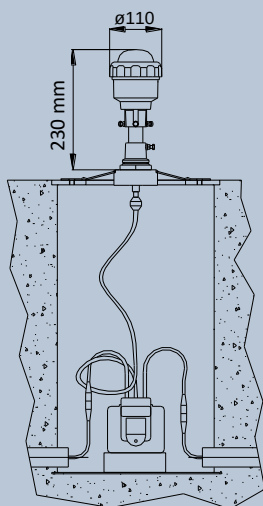
** | Measured at 6,6 A. The value reported refers to the minimum value between the configurations and the available options (worst case).



Overall Dimensions



Pipe Elbow



FAA L-867 Deep Base and Base Plate

LETE - F - 23 - A - M - A - 0

Basic P/N: _____

Compliance: _____

I = ICAO – IEC

S = STANAG

F = FAA

Height: _____

23 = 230 mm

28 = 280 mm

32 = 320 mm

35 = 350 mm (14")

50 = 500 mm (20")

61 = 610 mm (24")

76 = 760 mm (30")

Breakable Coupling: _____

A = 1"1/2 – 12 UNF

B = 2" – 11 1/2 NPS

C = 2" – 11 GAS - Only for I and S (NO F)

Monitoring: _____

0 = Without Monitoring

M = With Monitoring

Arctic Kit: _____

0 = Without Arctic Kit

A = With Arctic Kit

Options: _____

W = White Omnidirectional

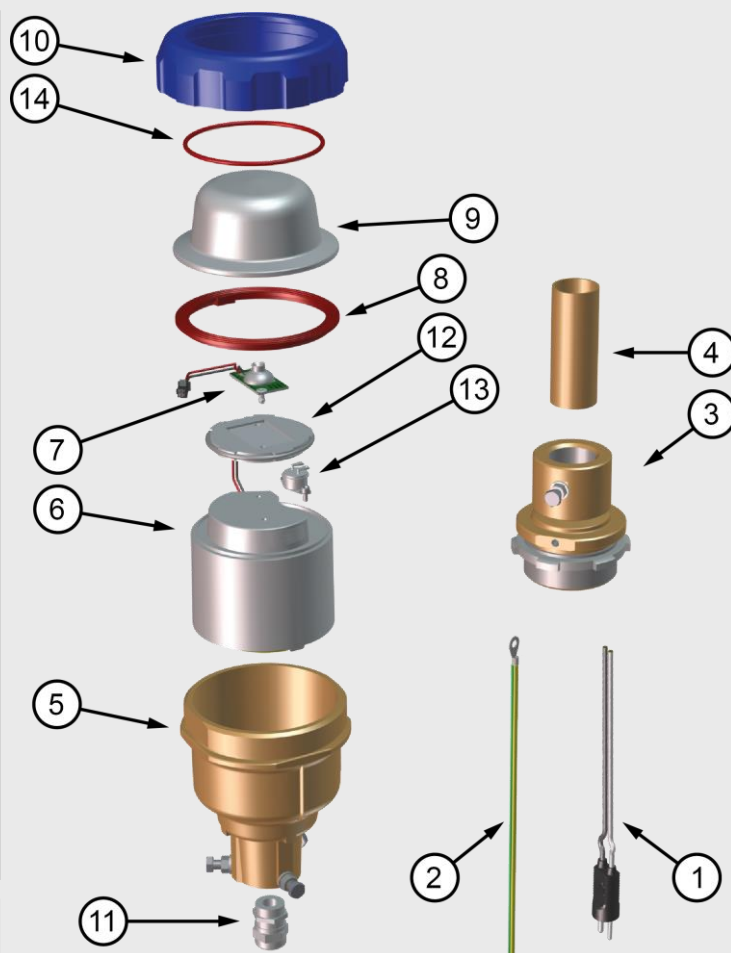
R = Red Unserviceability light

Y = Yellow – painted lens locking ring

MAIN COMPONENTS OF THE LIGHT UNIT

- 1 FAA L-823 plug
- 2 Fixture grounding wire
- 3 Breakable coupling
- 4 Standard 1-inch tube
- 5 Body with slipfitter
- 6 Electronic
- 7 LED module with accessories
- 8 Gasket for lens
- 9 Lens
- 10 Lens locking ring
- 11 Cable gland
- 12 Arctic kit thermostat
- 13 Arctic kit heater
- 14 O-Ring

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) |
| 332.3500 | Levelling device |

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

Shipping Weights and Volumes	
	Light Unit
Weight (kg)	1.3
Volume (m ³)	0.005

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

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