LED Elevated Taxiway Edge Light (LTE)

Compliance
- 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
- 60,000 hours LED rated life at full intensity, but over 100,000 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".
- Color emitted directly by LEDs: absence of colored lenses ensures no energy losses and no color shifts.
- Fully compatible with existing AFL infrastructure (for monitored fixtures, isolation transformer max size: 200 VA).
- 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.

Performance
- Rugged electronics built tough for high resistance 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 aluminum 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, 9.84" (250mm) high.
- Protection degree: IP67.
- Temperature range: -55°C (-67°F) to +55°C (131°F).

Installation
- The fixture can be installed on pipe elbow or baseplate.
- Specific tools available for easy and precise installation.

+1.800.806.3548 USA
+1.916.394.2800 Worldwide

www.flightlight.com
sales@flightlight.com

Flight Light Inc., 2708 47th Ave.
Sacramento, CA, 95822, USA

PHOTOMETRIC PERFORMANCES

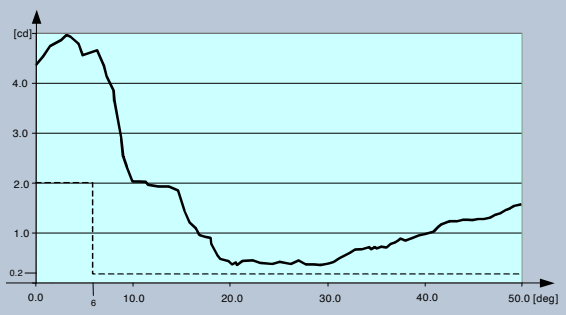


Fig. 1 ICAO par. 5.3.18.8 and FAA L-861T – Blue

TABLES

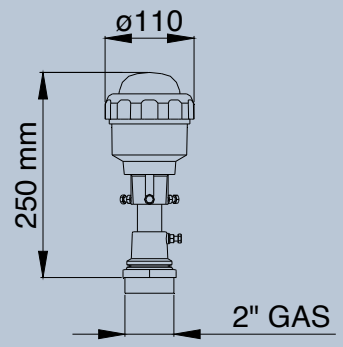
POWER CONSUMPTION*	
Electrical System	**1 Plug**
Omnidirectional (w/o Arctic Kit)	6 VA
Omnidirectional (with Arctic Kit)	18 VA
* Measured at 6.6 A and referred to the highest consumption configuration	

POWER FACTOR		
Input Step	**2.8 A**	**6.6 A**
Power Factor	0.96	0.98

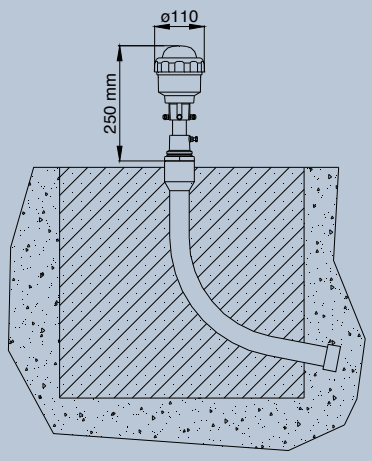
+1.800.806.3548 USA
+1.916.394.2800 Worldwide

www.flightlight.com
sales@flightlight.com

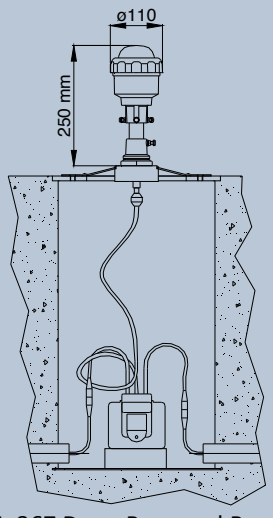
Flight Light Inc., 2708 47th Ave.
Sacramento, CA, 95822, USA



Overall Dimensions



Pipe Elbow



FAA L-867 Deep Base and Base Plate

LTE - F - 25 - A - M - A - 0

Basic P/N:

Compliance:
I = ICAO – IEC
S = STANAG
F = FAA

Height:
25 = 250 mm
28 = 280 mm
32 = 320 mm
35 = 350 mm
50 = 500 mm
61 = 610 mm
76 = 760 mm

Breakable Coupling:
A = 1”1/2 – 12 UNF
B = 2” – 11 1/2 NPS
C = 2” GAS
D = 2”-11 (for “14” to “30” Height)

Monitoring:
0 = Without Monitoring
M = With Monitoring

Arctic Kit:
0 = Without Arctic Kit
A = With Arctic Kit

Options:
W = White Omnidirectional Approach
R = Red Unserviceability light

+1.800.806.3548 USA
+1.916.394.2800 Worldwide

www.flightlight.com
sales@flightlight.com

Flight Light Inc., 2708 47th Ave.
Sacramento, CA, 95822, USA

RENEWAL PARTS FOR LIGHT UNIT

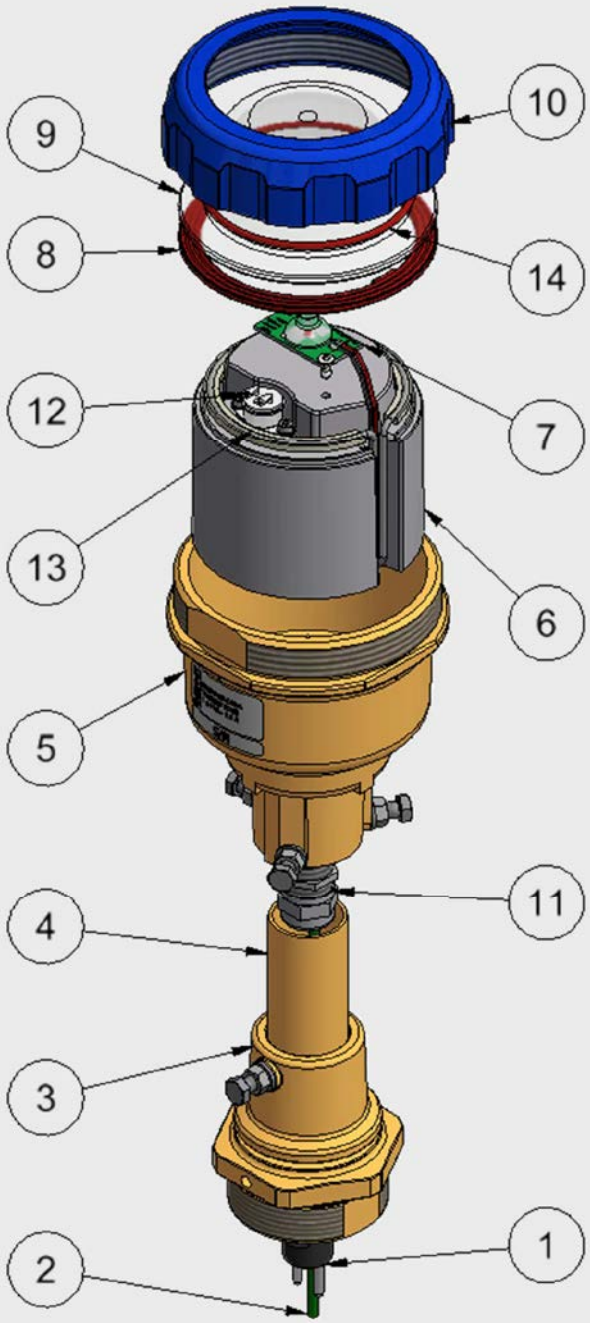
1 FAA L-823 plug
2 Fixture grounding wire
3 Breakable coupling
4 Standard 1-inch tube
5 Body with slipfitter
6 Electronic
7 LED module with accessories
8 Gasket for lens
9 Lens
10 Lens locking ring
11 Cable gland
12 Arctic kit thermostat
13 Arctic kit heater
14 O-Ring

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

+1.800.806.3548 USA
+1.916.394.2800 Worldwide
www.flightlight.com
sales@flightlight.com
Flight Light Inc., 2708 47th Ave.
Sacramento, CA, 95822, USA