

Led Elevated Medium Intensity Runway Light



RUNWAY EDGE
RUNWAY THRESHOLD
RUNWAY END
SHIFTED THRESHOLD
STOPWAY
LANDING ZONE
APPROACH
FILLET'S EDGE (CONNECTOR)

Elevated LED fixture, medium intensity type, omnidirectional, bidirectional or unidirectional, with adjustable height and with non-flashing light for runway edge, runway end and IFR non-precision instrument runways.

Applicable for the approach area, displaced threshold, wing bars and stopway, landing zone and fillets edge (rapid exit).

Compliance: **FAA**
FAA (AC150/5345-46, EB67)

Compliance: **ICAO**
AP-170 (Chapter 3.1)

Compliance: **CASA**
CASA (Manual of Standards Part 139)

Compliance: **TC**
TP-312 (Aerodrome Standards and Recommended Practices)



APPLICATIONS

Runway edge: FAAAC150/5345-46 L861, AP-170 Vol II §6.1, CASAMOS 139 §9.10 , TP-312 §5B-1 (medium/low intensity).

Runway threshold: FAAAC150/5345-46 L861E, AP-170 Vol II §6.1, CASA MOS 139 §9.10 (medium/low intensity).

Runway end: FAAAC150/5345-46 L861E, AP-170 Vol II §6.1, CASA MOS 139 §9.10 (medium/low intensity).

Wing bars: AP-170 Vol II §6.1

Displaced threshold: FAAAC150/5345-46 L861, L861E, L861SE, CASA MOS 139 §9.10 (medium/low intensity).

IFR non-precision instrument runways: FAAAC150/5345-46 L861, L861E, L861SE.

Approach area: AP-170 Vol II §6.1.

Landing zone: AP-170 Vol II §6.1.

Fillets light (rapid exit): AP-170 Vol II §6.1

FEATURES

- Degree of mechanical protection IP68.
- Operational temperature range admitted: between -55 °C and +55 °C (between -67 °F and +131 °F).
- Average life of LED: 60.000 h at maximum intensity; 100.000 h under normal operating conditions.
- Lower consumption compared with the traditional fixtures: lower loads, CCRs and lower-powered transformers.
- Variable light emission: in accordance with the standard FAA EB67.
- Colorimetric coordinates constant over time.
- High degree of compatibility with the existing airport installations.
- Low maintenance coefficient: fixtures designed with high modularity and minimal maintenance required over time and common spare parts for all the configurations.
- Degree of mechanical protection IP68: the seal of the dome does not require sealants.
- Absence of adjustments: the light sources are preconfigured and do not require adjustments.
- Usable with any type of constant current regulator realized in compliant with the rules FAA or IEC.

PERFORMANCE

- Electronics resistant to vibrations.
- Automatic adaptation to the frequency of the supply current.
- Equipped with surge protective device (FAA EB67).
- Geometry and structure designed to minimise the action of atmospheric precipitations on the optical emission of the fixture.

STRUCTURE & OPTIONS

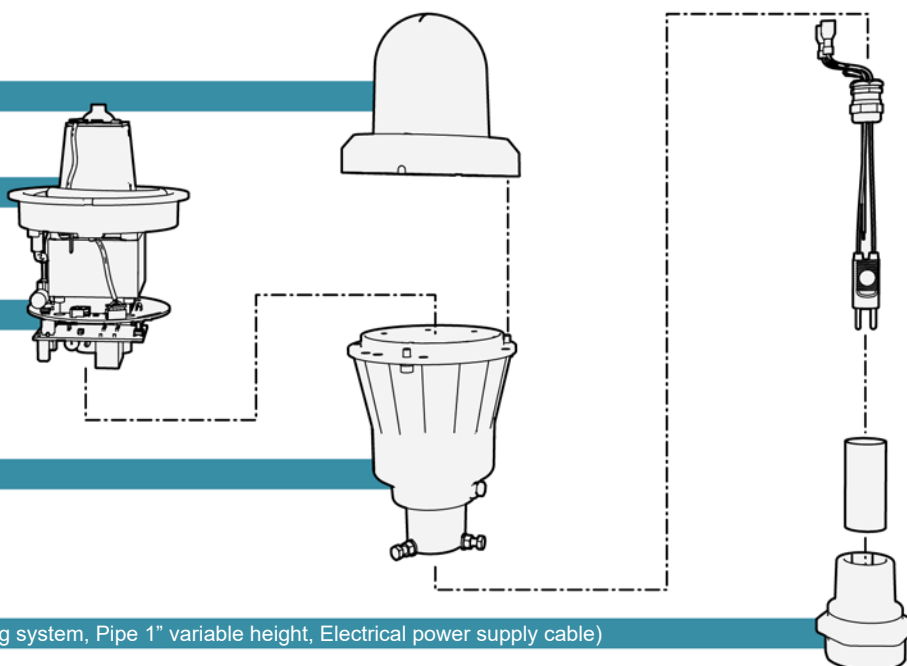
Dome Unit (Glass Dome)

Artic Kit (Optional)

Electronics (LED Sources/Board)

Dome Unit (Body)

Fastening system (Breakable coupling system, Pipe 1" variable height, Electrical power supply cable)



For spare parts refer to the user manual and to the spare parts catalogue.

ARTICLE CODE

Example: LEMIRL-F-E-RG-14-A-0		
F ¹	-	F (FAA/ICAO/TP312)*, R (AP-170), C (CASA MOS), T (FOR FUTURE USE), S (Special version)
E ²	F	0 = L-861 (L), E = L-861E (L), S = L-861SE (L)
	R	A = Approach, R = Runway edge, T = Threshold/Runway end
	C	M = Medium intensity, D = Shifted threshold, L = Low Intensity
	S	N = Unregulated
RG ³	-	W = White, Y = Yellow, R = Red*, G = Green, M = Obscured
14 ⁴	-	14 = 14" [35,5 cm], 20 = 20" [50,8 cm], 24 = 24" [60,9 cm], 30 = 30" [76,2 cm]
A ⁵	-	A = 1" 1/2 - 12 UNF, B = 2" - 11 1/2 NPS, C = 2" GAS - invalid for FAA
0 ⁶	-	0 = Without Arctic Kit, A = With Arctic Kit

* runway end version not compliant with TP-312 requirement

Legend: ¹ Reference standards; ² Code of conduct (according to the regulations); ³ LED colour [colourA-colourB]; ⁴ Height H [inches]; ⁵ Breakable coupling element; ⁶ Arctic Kit.

CODE OF USE | LED COLOUR

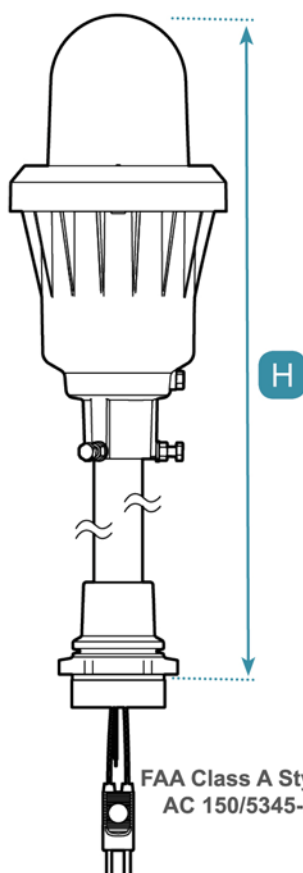
	FAA (F)	AP-170 (R)	CASA MOS (C)	FUTURE USE (T)	(S)
	L861 ○ ● (0)	Approach ○ (A) Runway edge ○ ● (R)	Medium intensity ○ ● (M) Shifted threshold ● (D) Low Intensity ○ ● (L)	Runway edge ○ (R)	● (N)
	L861 ● ● ● (0) L861E ● ● ● (E) L861SE ● ● (S)	Runway edge ● ● ● (R) Threshold/Runway end ● (T)	Medium intensity ● (M) Low Intensity ● (L)	Runway edge ● ● ● (R) Threshold/Runway end ● (T)	● (N)
	L861E ● (E) L861SE ● (S)	Runway edge ● ● (R) Threshold/Runway end ● (T)	Shifted threshold ● (D)	Threshold ● (T) Runway end ● (T)	● (N)

POWER CONSUMPTION (WORST CASE)*

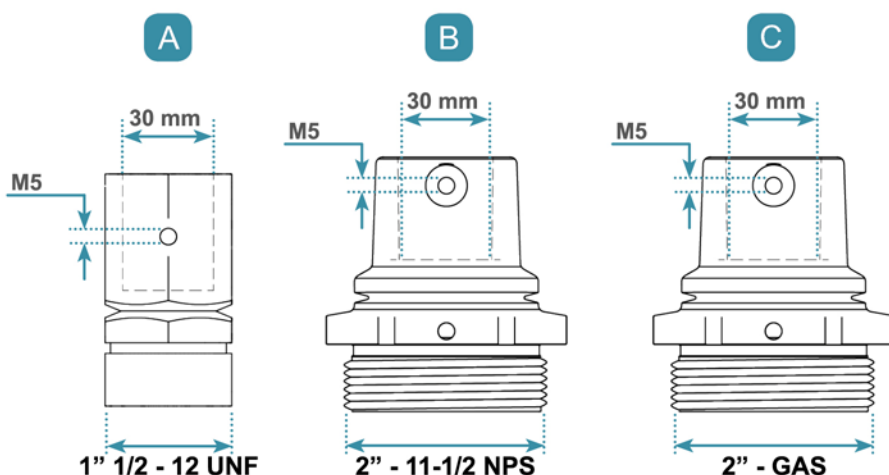
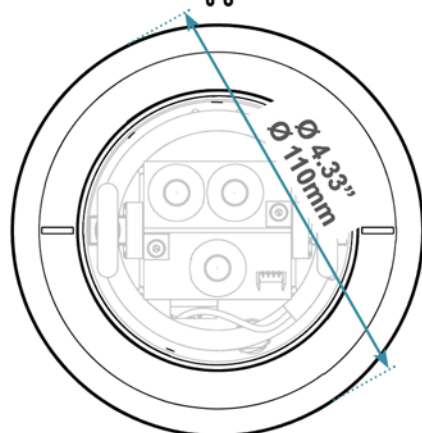
Power factor** >0,98		Primary Conductor isolation transformer		Fixture	
FAA L-861	Without Arctic Kit	21.9W	21.9VA	12.4W	12.5VA
	With Arctic Kit	42.2W	42.2VA	33.2W	33.3VA
FAA L-861 E	Without Arctic Kit	18.5W	18.6VA	9.0W	9.1VA
	With Arctic Kit	39.0W	39.1VA	29.5W	29.6VA
FAA L-861 SE	Without Arctic Kit	24.8W	24.9VA	14.9W	15.0VA
	With Arctic Kit	45.6W	45.7VA	34.9W	34.9VA
AP-170	Without Arctic Kit	31.1W	32.0VA	15.9W	16.2VA
	With Arctic Kit	53.1W	53.8VA	38.1W	38.4VA
CASA MOS	Without Arctic Kit	32.1W	33.2VA	17.1W	17.3VA
	With Arctic Kit	54.6W	54.9VA	39.2W	39.4VA

*| Measured at 6,6 A with toroidal isolation transformer 30 / 45W. The values reported refer to the maximum power absorbed between configurations and available colours (worst case). For further details please refer to the product manual.

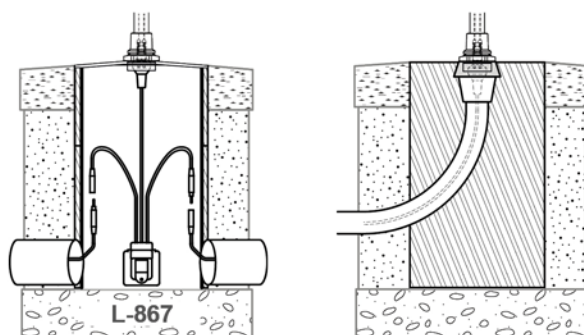
**| Measured at 6,6 A. The value reported refers to the minimum value between the configurations and the available options (worst case).



FAA Class A Style 6
AC 150/5345-26



INSTALLATION EXAMPLE



ITEM PACKAGE

	LEMIRL
Weight (kg)	2.2
Volume (m³)	0.019

ACCESSORY ARTICLES

Code	Description	Features
[*]	Base plate L-867B	Steel base plate for mounting on a deep base L-867B
[*]	Base plate L-867B RGL	Steel base plate for mounting on a deep base L-867B (version RGL Runway Guard Light)
[*]	Floor flange	Aluminium threaded flange
[*]	Pipe elbow	Galvanized iron pipe elbow
[*]	Tripod support	Aluminium tripod (ICAO Annex 14)
[*]	Threaded anchorage	Galvanized iron threaded anchorage
[*]	Deep base	Base FAA L-867 (B=12", D=16", E=24") high 21"
[*]	Threaded stake	Stake with galvanized steel threaded support, equipped with ground connector.
RISLI0012	Pipe 1" - length 14" [355mm]	Galvanized steel elevated mounting pipe (version H=14")
RISLI0008	Pipe 1" - length 20" [508mm]	Galvanized steel elevated mounting pipe (version H=20")
RISLI0009	Pipe 1" - length 24" [609mm]	Galvanized steel elevated mounting pipe (version H=24")
RISLI0010	Pipe 1" - length 30" [762mm]	Galvanized steel elevated mounting pipe (version H=30")
PAALS0001	Optical orientation system	Tool for installation LEMI

[*] Contact OCEM to obtain the code

The Manufacturer reserves the right to modify or update the technical parameters at any time without prior notice to Customer.

