

Led Elevated Medium Intensity Runway Light



**RUNWAY EDGE
RUNWAY THRESHOLD
RUNWAY END
DISPLACED THRESHOLD
STOPWAY
LANDING ZONE
APPROACH AREA
FILLET EDGE (RAPID EXIT)**

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, shifted threshold, wing bars and stopway, landing zone and fillets edge (with connector).

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

Compliance:
AP-170 (Capitolo 3.1)

Compliance:
CASA (Manual of Standards Part 139)

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APPLICATIONS

Runway edge: FAA AC150/5345-46 L861, AP-170 Vol II §6.1, CASA MOS 139 §9.10 (medium/low intensity).

Runway threshold: FAA AC150/5345-46 L861E, AP-170 Vol II §6.1, CASA MOS 139 §9.10 (medium/low intensity).

Runway end: FAA AC150/5345-46 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: FAA AC150/5345-46 L861, L861E, L861SE, CASA MOS 139 §9.10 (medium/low intensity).

IFR non-precision instrument runways: FAA AC150/5345-46 L861, L861E, L861SE.

Approach: 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 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 compliance with the FAA or IEC rules.

PERFORMANCE

- Electronics resistant to the vibrations.
- Automatic adaptation 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

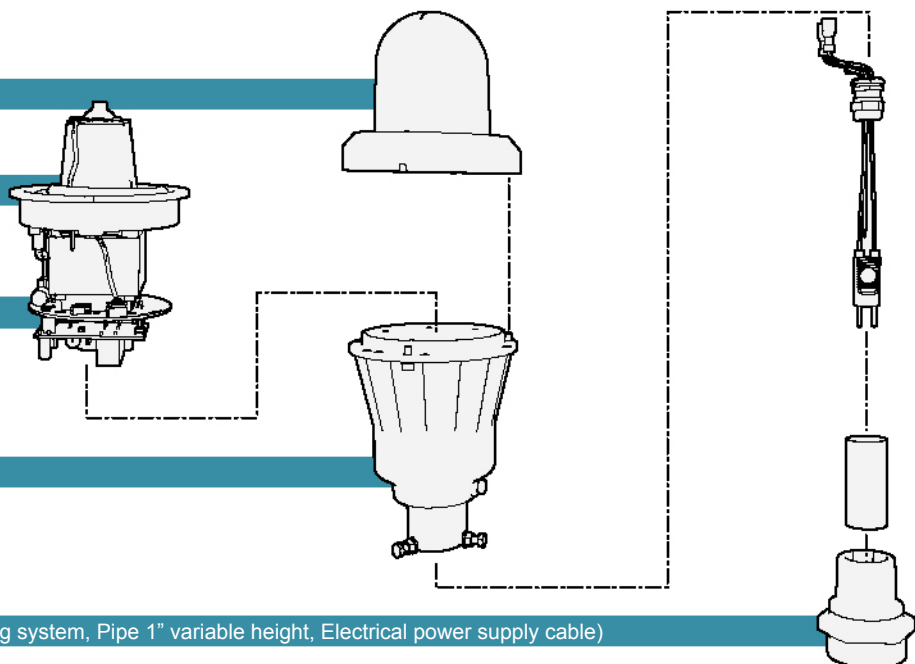
Dome Unit (Glass Dome)

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), 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 = Displaced 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 |

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 Artic Kit.

CODE OF USE | LED COLOUR

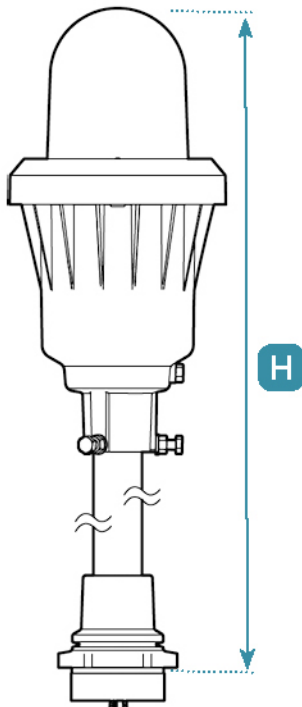
| | FAA (F) | AP-170 (R) | CASA MOS (C) | FUTURE USE (T) | (S) |
|---|---|---|--|---|-------|
|  | L861 ○ ● (0) | Approach ○ (A) Runway edge ○ ● (R) | Medium intensity ○ ● (M) Displaced Threshold ● (D) Low Intensity ○ ● (L) | Runway edge ○ (R) | ● (N) |
|  | L861 ● ● ● (0) L861E ● ● (E) L861SE ● (S)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

POWER CONSUMPTION (MAXIMUM CONSUMPTION)*

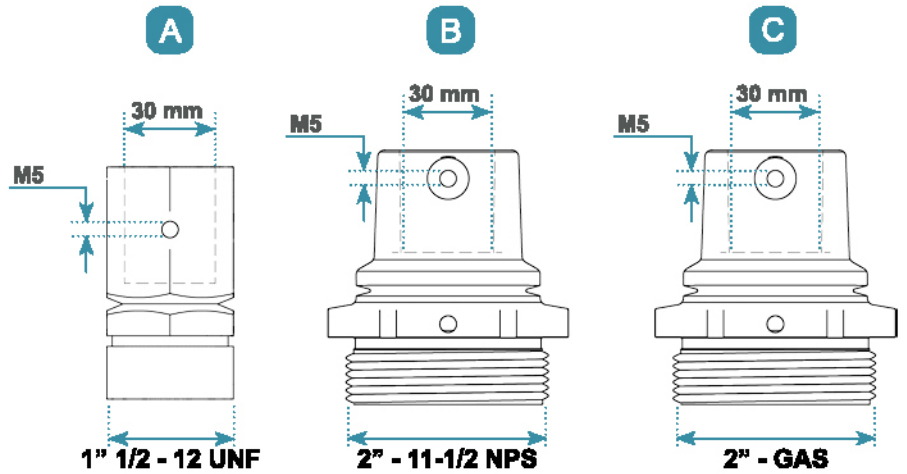
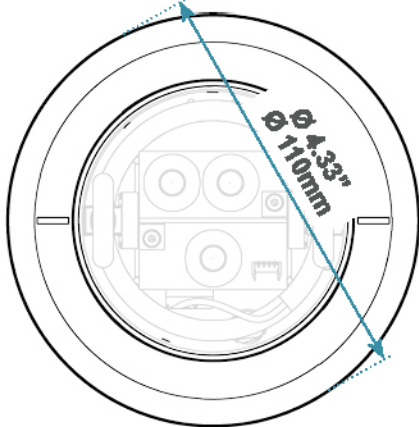
| Power factor** >0,98 | | Isolation transformer Primary lead | | Fixture | |
|----------------------|--------------------|------------------------------------|--------|---------|--------|
| FAA L-861 | Without Arctic Kit | 21.9W | 21.9VA | 12.4W | 12.5VA |
| | With Arctic Kit | 42.2W | 42.2VA | 33.2W | 33.3VA |
| FAA L-861 SE | 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 E | 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 30/45W toroidal isolation transformer. Reported values refer to the maximum power consumption among available configurations and colours (worst case). For more details refer to the product manual.

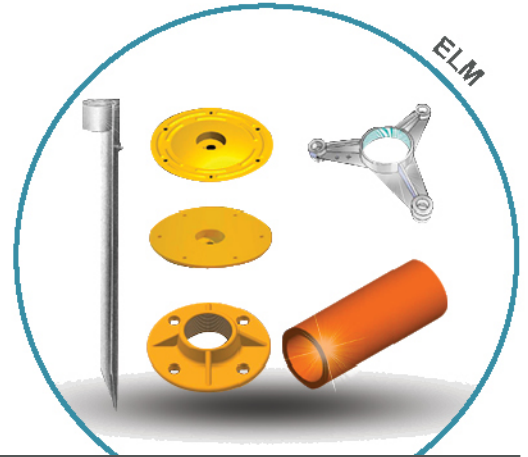
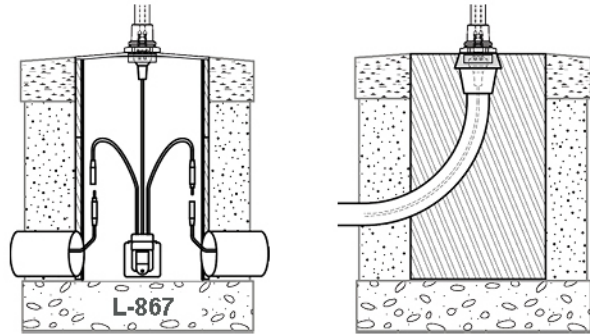
**] Measured at 6.6 A. The reported value refer to minimum value among available configurations and options (worst case).



FAA Class A Style 6
AC 150/5345-26



INSTALLATION EXAMPLE



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 LEM! |

[*] Contact OCEM to obtain the code

The Manufacturer reserves the right to variation and/or modification the technical parameters at any time without notice.

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