RUNWAY LIGHTING

IRTM

Incandescent In-pavement Runway Threshold/End Light

MILITARY & ICAO STYLE 2, HIGH-INTENSITY

Runway End

Runway Threshold/End

Compliance with Standards

Military: Designed according to L-850D AC 150/5345-46 (Current Edition) and photometry tested to UFC 3-535-01 Fig 4-5 (green) and Fig 4-10 (red).

ICAO: Annex 14, Vol. 1, par 5.3.10.10 (Runway Threshold) and par 5.3.11 (Runway End).

Uses

ICAO and U.S. Military

- Runway end light (unidirectional red, one 105 W lamp)
- Runway threshold light (unidirectional green, two 105 W lamps)
- Runway threshold/end (bidirectional red/ green: one 105 W lamp, red; two 105 W lamps, green)

Features

- FAA Style 2–Low protrusion above ground of ≤ 0.50 inch reduces vibrations caused by aircraft landing gear in both the light fixture and the landing gear, increasing lamp life
- Designed and built with simplicity and ease of maintenance in mind
- Light channel in front of prism windows protects prisms from damage and prevents rubber buildup thereby maintaining optimal light output
- Low-energy/long-life halogen lamps are 105W with a rated life of 1,000 hours at 6.6 A
- Low-temperature lights. Temperature rise at center of top cover remains below FAA-specified limit of 320 °F (160 °C).
- Fixture uses aluminum alloy cover and inner cover, stainless steel hardware, and aluminum alloy and stainless steel optical assembly
- Includes a UL 467 rated ground lug, which accepts an AWG 6 earth ground wire

Ordering Code

44A6247 - X X X X

Threshold Beam
0 = Obscured
1 = Green Straight
2 = Green Right Toed
3 = Green Left Toed
4 = Red Straight
5 = Red Right Toed
6 = Red Left Toed

Runway End Beam
0 = Obscured
1 = Red Straight
2 = Red Right Toed
3 = Red Left Toed
4 = White Right Toed[1]
5 = White Left Toed[1]
6 = Yellow Right Toed[1]
7 = Yellow Left Toed[1]
8 = Yellow Straight
9 = White Straight

Film Disc Cutout
1 = Included
2 = Not Included

Base Mounting
1 = One Cord Set
2 = Two Cord Sets

Notes

- External fixture-to-base can O-ring, Part No. 7080.90.650, is ordered separately if needed for installation. For FAA installations, this O -ring is normally included with the flange ring.

[1] 3° toe-in for high-intensity displaced threshold/runway edge applications.

Optional Snow Plow Ring

Depending on installation method and snow plowing technique used, a snow plow ring may be necessary. Snow plow rings are available for either standard or stainless steel adjustable Size B L-868 cans. Contact the ADB Safegate Sales Department for additional details.

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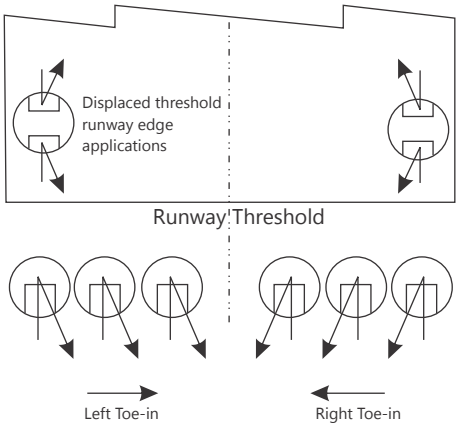
Toe-in Coding Threshold/End Only

- Toe-in direction for green side is from the pilot's perspective on approach. Opposite side (runway end/red side) is straight.
- Position the fixtures on either side of the runway so that the fixture toe-in points to the runway centerline
- In a displaced threshold/runway edge application, the toe-in is always towards the runway centerline. When ordering always choose the same toe-in direction as the threshold beam. For example, if the threshold beam is toed right, the runway edge light is toed right.



Packaging

	Runway End	Threshold/End
In cardboard box:	7 × 13 × 13 in (18 × 33 × 33 cm)	7 × 13 × 13 in (18 × 33 × 33 cm)
Weight with packing:	15.3 lb (6.94 kg)	18.5 lb (8.4 kg)
Weight w/out packing:	12.3 lb (5.58 kg)	15.5 lb (7 kg)