

Runway Threshold and End Light



RTEL

Compliances: FAA AC 150/5345-46: L-850D
ICAO Annex 14
USAF Regulation 88-14
USN NAVAIR 51-50AAA-2
NATO STANAG 3316

Applications

The RTEL is a high intensity bidirectional light used on runways where the threshold and end lighting are co-located. The green threshold light's main beam may be straight or toed-in 3.5 degrees. The red runway end light has a straight beam. The two lamps are typically connected to separate circuits with red side operated by the runway edge lighting circuit.

Features

- FAA Approved L-850D
- Proven Reliability
- Variety of Mounting Methods
- Optional Nickel-Molybdenum Alloy Casting: 2.3 times the tensile strength of ductile iron.
- Optional Metallic-Ceramic Coating for greatly increased corrosion resistance

Application Notes

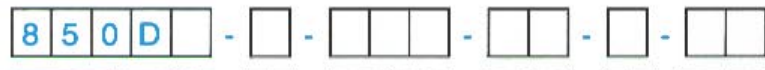
- Sectional Class I bases may be required for proper installation.
- Size C RTEL will also mount on a FAA-L867D base for special applications.
- All bases must have 1.25 inch thick plywood covers. Setting material must be purchased separately for Class II bases: 100 lbs. per base.
- FAA Size B fixtures require that the bases be installed with any two opposite mounting bolt holes parallel to the runway centerline.

Ordering Information

How to Order: Select the number of leads to match the number of isolation transformers to be used. Choose the letter to match the FAA base size to be installed. Add designations for the lamp wattage and colors. The orientation of the color symbols determines the optical beam toe-in.

Example:

An 850D2-C-185-RG is a bidirectional threshold and end light with right toe-in on the green beam and a straight red beam. It mounts on a 14.25 inch bolt circle base. This fixture is furnished with two 185 watt lamps. It has two leads for making connections with two 200 watt isolation transformers.



FAA Type: _____

Number of Leads: _____
 1 or 2 with L-823 Plugs

FAA Base Size: _____
 B = 11.25 Inch Bolt Circle
 C = 14.25 Inch Bolt Circle

Lamp Wattage*: _____
 115 = 2 x 115w Lamps
 185 = 2 x 185w Lamps
 200 = 2 x 200w Lamps

Color/Color:** _____
 C = Clear
 G = Green
 R = Red
 Y = Yellow
 X = Opaque/Blank

Beam Orientation: _____
 S = Straight Beams Both Sides
 No Symbol means there is toe-in**

Options: _____
 NM = High Strength Casting Nickel-Molybdenum
 CR = Corrosion Resistant Coating

* Use "115" for VFR approaches only.
 Use "185" for precision approaches.

** Refer to the color symbol position:
 The red beam is always straight.
 RG means right toe-in of the green beam.
 GR means left toe-in of the green beam.

