



Inset Threshold and Approach Light



Compliances: FAA AC 150/5345-46: L-850E
ICAO Annex 14: Fig. A2-1, A2-2, A2-3 & A2-4
UFC 3-535-01
U.S. Navy NAVAIR 51-50AAA-2: Fig. 5
NATO STANAG 3316: Fig. 1 & 2

ITAL

Applications

Known as the **TriLITE™**, the ITAL does triple duty as an inset approach light, an inset threshold light, and an inset runway end light. The ITAL is a unidirectional light with one or two 150 W lamps depending upon the application. It may be used for any category ICAO or military runway and for FAA CAT I runways.

Features



- ETL Certified*
- Meets USAF and ICAO photometric requirements for threshold, end and approach lighting systems
- Metallic-Ceramic Coating for greatly increased corrosion resistance
- Common Optical System for all applications
- Dual-Light Channels with narrow windows
- Center Rib between windows resists military tailhook damage
- One-Piece 12-inch Casting resists snowplow damage
- Soft-Mount Optical System to resist shock damage
- Pressure Tested for watertightness
- Single Plug Lead Assembly for use with one isolation transformer
- Optional Standby Lamp Transfer to reduce light maintenance for single lamp applications (Option - A)
- Optional High Strength Casting: approximately 2 times the tensile strength of ductile iron

Ordering Information

How to Order: Select the basic catalog number for the application from Table A on the following page. Add symbols for options as required. Order separately a single isolation transformer and a mounting base. See beam orientation diagram on following pages.

Example: 850EA-B-2-150-R-S-A is a unidirectional red runway end light with one operating 150 W lamp and one standby 150 W lamp. Upon failure of the first lamp, power is automatically transferred to the spare lamp. The light operates on a single 150 or 200 W isolation transformer powered by a series circuit.

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Fixture Type: [Line to 8]

Model: [Line to 5]

Base Size: [Line to 0]
B = 11.25-inch Bolt Circle

Number of Lamps: [Line to E]
1 = 1 x Lamp 20710 6.6 A
2 = 2 x Lamp 20710 6.6 A

Operating Wattage: [Line to A]
150 = 1 x 150 W**
300 = 2 x 150 W

Color: [Line to -]
C = Clear G = Green R = Red

Beam Orientation: [Line to -]
L2 = Left Toe-in 2 degree L3 = Left Toe-in 3.5 degree
R2 = Right Toe-in 2degree R3 = Right Toe-in 3.5degree
S = Straight 0 degree

Options: [Line to -]
NM = High-Strength Casting
A = Standby Lamp (Series Circuit): Energizes standby lamp upon failure of operating 150 W lamp.**

* Crouse-Hinds catalog number 850EA-B-1-150-G-S only.

** For Option A, select basic catalog number 850EA-B-2-150-X-XX-A.

Technical Data

Table A

Compliance	Application**	Color	Catalog Number***
ICAO	Threshold	Green	850EA-B-2-300-☆-3
	Threshold: Wing Bar	Green	850EA-B-2-300-☆-2
	Runway End	Red	850EA-B-1-150-R-S
	Approach: Centerline Barrette	Clear	850EA-B-2-300-C-S
	Approach: Side Row Barrette	Red	850EA-B-2-300-R-☆-2
NATO	Threshold*	Green	850EA-B-2-300-G-S
	Runway End	Red	850EA-B-1-150-R-S
	Approach: Centerline Barrette	Clear	850EA-B-2-300-C-S
	Approach: Terminating Bar	Red	850EA-B-2-300-R-S
	Approach: Inboard Wing Bar	Red	850EA-B-2-300-R-S
	Approach: Side Row Barrette	Red	850EA-B-2-300-R-S
USAF	Threshold*	Green	850EA-B-2-300-G-S
	Runway End	Red	850EA-B-1-150-R-S
	Approach: Centerline Barrette	Clear	850EA-B-2-300-C-S
	Approach: Terminating Bar	Red	850EA-B-2-300-R-☆-2
	Approach: Pre-Threshold Bar	Red	850EA-B-2-300-R-☆-2
	Approach: Side Row Barrette	Red	850EA-B-2-300-R-☆-2
FAA	Threshold*: Category I	Green	850EA-B-1-150-G-S
	Runway End	Red	850EA-B-1-150-R-S

* Includes Wing Bars.

** If the runway category is not noted, then the catalog number is used for all applicable categories.

*** Add options as required.

☆ Select equal quantities of left and right toe-in.

