REIL

Runway End Identifier Lights

Compliances:

FAA/AC 150/5345-51; L-849 A,B,E,F
ICAO Annex 14

Applications

The primary application of a REIL system is to positively identify the end or the threshold of a visual or instrument non-precision runway.

This REIL system consists of two synchronized flashing lights. One flasher unit is located at each side of the runway threshold.

Features

- ETL Certified
- CSA Certified
- Easy to install – each REIL unit consists of a flash head and a control box, mounted on the same support leg(s).
- Easy to maintain – special tools are not required.
- Does not require separate control cabinet – REIL Master Unit with integral system control.
- Elapsed time meter
- Safety interlock in each control box and flash head.
- Weather resistant – painted parts are coated with U.V. resistant paint, electrostatically applied

Note: Each current (series circuit) operated REIL must be powered by a dedicated 4kW (minimum) constant current regulator.

Ordering Information

How to Order: To the Basic Catalog Number, add the symbols for FAA Style and Input Power, as shown below. Add Option numbers as required.

F	T	S	-			2	-			

Fixture Type:

Beam Orientation:
4 = Omni Directional (FAA Style B,F)
8 = Uni Directional (FAA Style A,E)

Input Type:
1 = Voltage operated with internal (SC 415) controller**
3 = Current (series) operated***

Voltage* (Input Type 1 Only):
240 = 240 V. 60 Hz
230 = 230 V. 50 Hz

* For optional 120 V, 60 Hz consult factory
** For optional current sensing control of the voltage operated REIL, also order FTC-435 Controller and (1) 30/45W isolation transformer
*** For current operation two 300W isolation transformers and connector kit are required.

FTS SERIES products are manufactured by Flash Technology, Franklin, TN.

Technical Data

Instruction Manua: FTS 400/800
FTS 430/830

Primary Power:
Voltage Unit, 240VAC +10% 60Hz / 230VAC +10% 50Hz , 1 Phase
Current Unit, Direct connect to secondary of standard FAA type L830

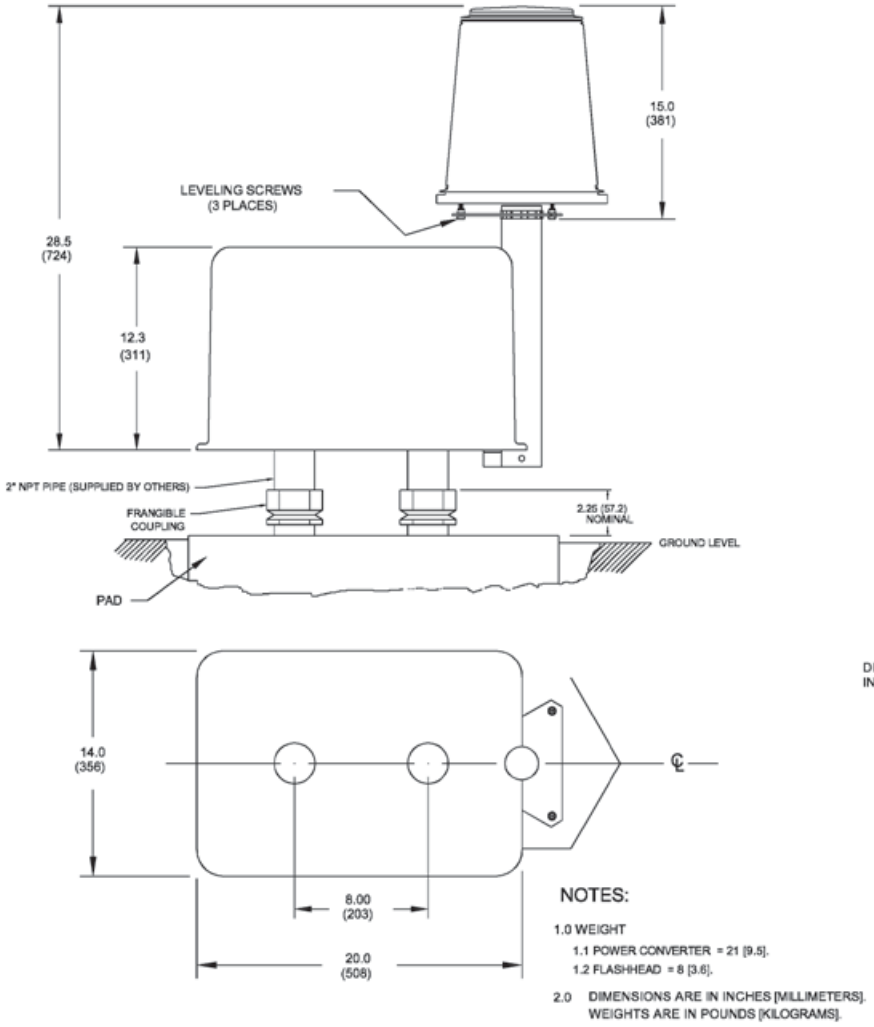
Isolating Transformer:
120 Watts (High) 85 Watts (Med) 65 Watts (Low)
300 Volt Amperes (High Intensity)

Effective Intensity:
Style A, E = 20,000, 2000, 450 effective candelas.
Style B, F = 300 ± 50%, 1,500 ± 5% and 5,000 ± 5% effective candelas

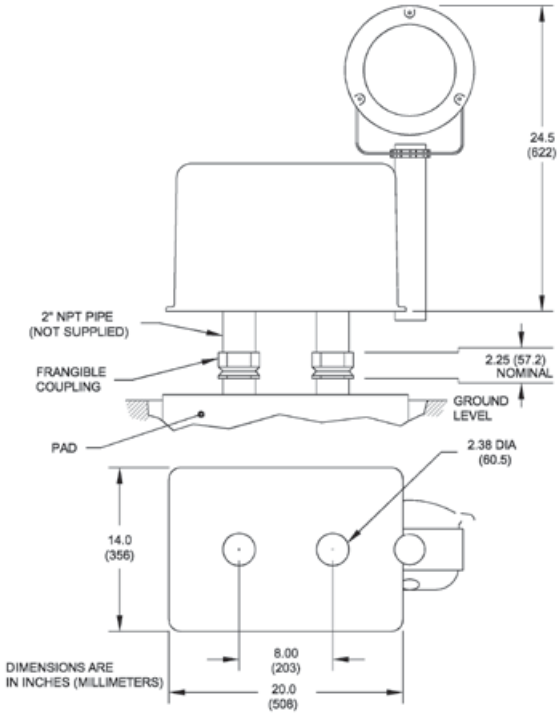
Flash Rate:
60 Flashes per minute (400)
120 Flashes per minute (800)

Beam Pattern:
Omnidirectional coverage: 360 degrees horizontal, 8 degrees vertical
Unidirectional coverage: 30 degrees horizontal, 10 degrees vertical

Outline Drawings



FTS 4 Series Co-Mounted
Omni Directional



FTS 8 Series Co-Mounted
Uni Directional

Dimensions:	Inches (mm)

Renewal Parts

Description	Part Number	Description	Part Number
Clamp, Lens (FH400)	3893201	RC Network RC101 (FH400 & FH800)	1403411
Flash Tube FT 101 (FH400)	8384329*	Retaining Bezel (FH800)	3735202
Flash Tube FT 101 (FH800)	4901700*	Spacer, Ceramic (FH400)	5900844
Lens (FH400)	8743701	Terminal Screw Lug (FH400)	3379102
Post, Ceramic (FH800)	5900842	Trigger Transformer (FH400 & FH800)	8288201

Shipping Weights and Volumes

REIL Catalog Number	Shipping Weight		Shipping Volume	
	lb.	kg.	cu. ft.	cu. m.
FTS 4 Series	29	13.1	37	1.048
FTS 8 Series	25	11.3	37	1.048