



FTS 800(L) | REIL / RTIL / RAIL

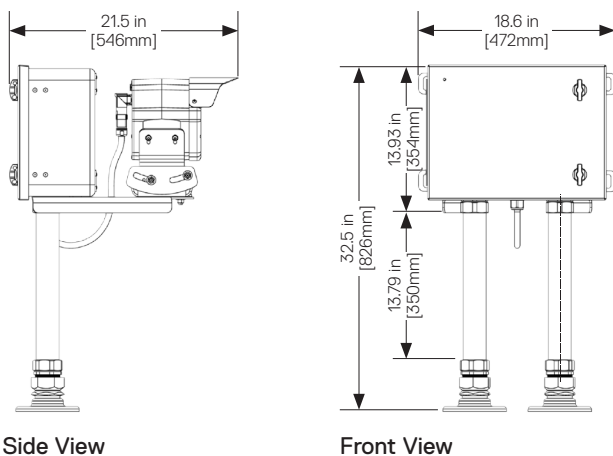
The LED voltage-driven FTS 800(L) aids in acquisition of an active runway. Configurable as a 2 light REIL or a 3 to 30 light RAIL for SSALSF, MALSF, SSALSR, MALSR, ALSF-I and II.

Key Features

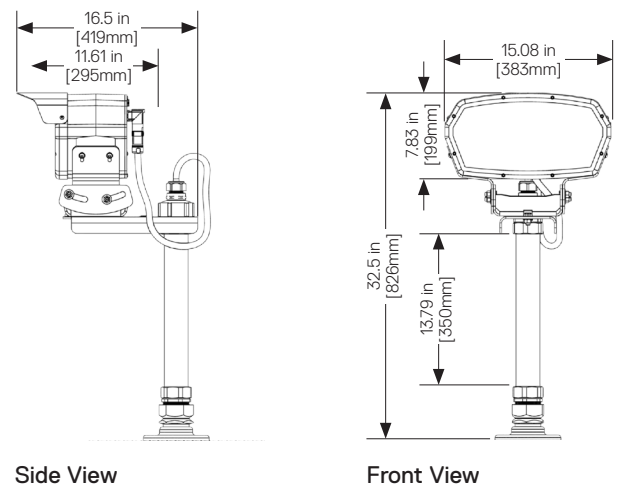
- Certified to FAA AC 150/5345-51B
FAA L-849V,I (L) Style A, E, Engineering Brief No. 67D
- ICAO, TP312 & FAA 6850.2C Compliant
- Configure to 1 or 3 Step Intensity
- Compatible with Air-to-Ground Radio Controllers and Ground-to-Ground Remote Systems



Co-Mount



Remote Mount



Specifications

Light Characteristics	Light Source	LED		
	Available Colors	White / IR		
	LED Life Expectancy (hours)	45,000 hrs		
	Intensity (Nominal)	15,000cd (B3) / 1,500 (B2) / 300 (B1)		
	Horizontal beam coverage	30 degrees (minimum)		
	Vertical beam coverage	10 degrees (minimum)		
Electrical Characteristics	Input Voltage Range	120-240VAC		
	Input Frequency	50/60 Hz		
	Circuitry	Solid State Circuitry		
	Internal Surge Protection	Yes		
	Interlocks	Yes		
	Power Cable between Light Head & Power Converter	16AWG 3ft [0.9m] (Min) / 16AWG 200ft [60m] (Max) (optional) 14AWG 350ft [105m] (Max)		
	Comms Cable between Power Converters	22AWG Shielded 3000ft [900m] (Max)		
Power Consumption*		High (B3)	Medium (B2)	Low (B1)
	Single Flash Head with Controller (60 fpm / 120 fpm)	60fpm - 18.6W	60fpm - 8.3W	60fpm - 7.7W
		120fpm - 35.5W	120fpm - 9.6W	120fpm - 7.7W
	Two Flash Heads with Controller	60fpm - 37.8W	60fpm - 13.4W	60fpm - 11.4W
		120fpm - 64.5W	120fpm - 15.9W	120fpm - 11.9W
Physical Characteristics	Body Material	Powdercoated Aluminum Flash Head and Power Converter		
	Body Color Options	Aviation (FAA) Orange		
	Hardware Material	Stainless Steel		
	Lens Material	PMMA		
	Mounting	Co-Mount and Remote Mount		
	Elevation Angle	Adjustable elevation angle 0 to 25°		
		Co-Mount	Remote Mount	
	Height (inches/mm)	Minimum: 19 / 483**		Minimum: 14 / 356**
	Width (inches/mm)	18.6 / 473		15.08 / 383
	Length (inches/mm)	21.5 / 546		16.5 / 419
	Mass (lbs/kg)	37.9 / 17.2**		18.8 / 8.5**
	Service Life	service life of 12 years under typical operating conditions		
Environmental	Temperature	-40 to 131 °F / -40 to +55 °C 50-95%RH		
	Ingress	IP65, NEMA 4		
Certification	FAA	AC 150/5345-51B L-849 I(L) Style A and Style E Engineering Brief No. 67D		
Compliance	EMC	FCC Part 15b		
	ICAO	Annex 14, Volume 1, 8th Edition		
	Transport Canada	TP 312 5th Edition		
Other	Quality Assurance	ISO 9001:2015		
	Trademarks	AVLITE® is a registered trademark of SPX Aids to Navigation a brand of SPX Aids to Navigation (a division of SPX Technologies)		
	Warranty	Visit avlite.com for Warranty Statement and Terms and Conditions		

* Power and amperage reflects two FH800(L) connected to one PC800(L).
** Does not include 2" EMT conduit or any fittings below it.

Configuration

Model (REIL/RTIL)	FTS 800(L)
Certifications	FAA L-849 V(L) Style A, Style E
Model (RAIL)	FTS 813(L) FTS 815(L) FTS 8121(L)
* 30 Stations can connect in one system	
Mounting	Co-Mount Remote Mount
Output	Visible, IR, Both
Power	120-240VAC 50/60Hz
Control	Wired (4 Remote Contact) Manual FTC435 Series Interface Flash Rate, Flash SyncTiming Visible / IR
Monitoring	Local Alarm Dry Contact System Alarm Dry Contact Seg Displays, Status Indicators

