



Vanguard® Medium FTS 370d LED

The Vanguard Medium FTS 370d is a dual FAA L-864/L-865 medium intensity LED lighting system for structures between 200' and 700' AGL (FAA E-type towers). The system also meets FAA L-885 low intensity catenary requirements. It complies with CAR 621 2nd edition for medium intensity CL-864/CL-865 flashing lights and ICAO 6th edition standards for medium intensity type A/type B obstacle lights.

The FTS 370d uses a single cable for communications as well as beacon and marker power. Firmware can be upgraded for future compatibility with no need for controller modification. The single enclosure houses a low-voltage environment, removing the need for an interlock switch and allowing alarms to remain active when the door is open.



Standard Features

- Infrared (IR) lighting – NVG and NVIS compatibility using 850nm IR LEDs on the flashhead per FAA AC 150/5345-43J
- Interleaved LEDs and by-pass circuitry provide longer life by allowing the loss of individual LEDs up to the 25% limit
- Surge immunity of 25kA to withstand 99% of all lighting strikes
- LTE modem for improved communication stability
- Ruggedized photodiode in metal housing with shielded cable
- Input power breaker switch eliminates replaceable fuses
- Outdoor Wi-Fi antenna for onsite diagnostics and lighting inspections
- Patented Fresnel optics to minimize ground scatter
- Aircraft Detection Lighting Systems (ADLS) interface
- Automatic failsafe switches to day mode if no mode change detected
- 4-line OLED backlit display for visibility in any lighting conditions
- Dry contact monitoring (day, night, marker, PED, GPS, comm alarms and mode status)
- Compliant with FAA AC 70/7460-1L
- 5-year warranty

System Options

- Infrared LEDs on L-810 marker lights
- SMART card – monitor and control the system remotely, and receive full diagnostic information through LTE modem or ethernet-based connectivity. SNMP, Modbus or Eagle protocols may be used.
- GPS synchronization
- Upgrade firmware remotely
- TECK90 support – provides protection from RF interference and damage on high-power broadcast towers up to 700' AGL

FTS 370d

SPECIFICATIONS

Regulatory Compliance	FAA AC 150/5345-43J L-864, L-865, L-866, L-885
	ICAO Annex 14 6th edition Medium Intensity types A and B
	Transport Canada CAR 621 2nd edition CL-864/CL-865
	DGAC L-864/L/865
	CSA CE
Input Voltage	100-240 VAC ±24 VDC (optional) ±48 VDC (optional)
Frequency	50-60 Hz
FH Dimensions	15.8 dia. x 7.3" (400 dia. x 190.5 mm)
FH Weight	26.3 lbs (11.92 kg)
FH Aerodynamic Wind Area	99.1 in ² (0.06 m ²)
Marker Power Consumption*	2.1w (3.4w with IR)
Marker Dimensions	9 x 2.8 x 2.1" (228.6 x 69.9 x 54.1 mm)
Marker Weight	1.6 lbs. (0.7 kg)
Controller Dimensions	23 x 17.1 x 6.4" (584.2 x 434.3 x 162.6 mm)
Controller Weight	44 lbs (20 kg)
Protection Rating	IP66, NEMA 4X

POWER CONSUMPTION

		Wattage (IR)	Flash Rate**	Flash Intensity
L-864/ L-865	Day (white)	80w (70w)	40 fpm	20,000 ±25%ECD
	Night (red)	40w (40w)	20/30/40 fpm	2,000 ±25%ECD
	Night (white)	40w (40w)	40 fpm	2,000 ±25%ECD
L-866/ L-885	Day (white)	110w (100w)	60 fpm	20,000 ±25%ECD
	Night (red)	50w (50w)	60 fpm	2,000 ±25%ECD
	Night (white)	50w (50w)	60 fpm	2,000 ±25%ECD

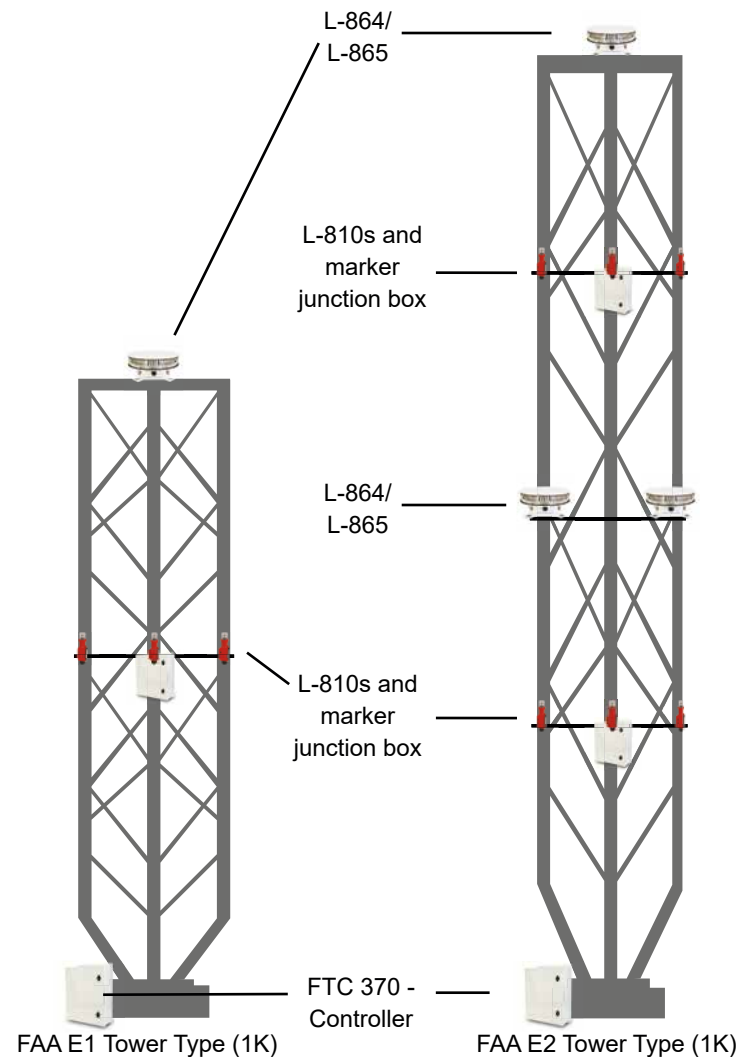
FAA DUAL TOWER LIGHTING

FAA AC 70/7460-1L

- **Tower Type E1:** 200-350' including any appurtenances with 1 dual medium intensity L-864/L-865 beacon and 2 or more L-810 marker lights flashing in sync with the L-864 at 30 fpm
- **Tower Type E2:** 350-500' including any appurtenances with 3 dual medium intensity L-864/L-865 beacons

FAA AC 70/7460-1K

- **Tower Type E1:** 200-350' including any appurtenances with 1 dual medium intensity L-864/L-865 beacon and 2 or more steady-burn L-810 marker lights
- **Tower Type E2:** 350-500' including any appurtenances with 3 dual medium intensity L-864/L-865 beacons and 6 steady-burn L-810 marker lights (8 markers if square)



*Not included in system power consumption.

**Only 30 fpm is applicable for FAA-certified applications files under AC 70/7460-1L, and requires the use of L-810(f) depending on the height of the structure.

FLASH TECHNOLOGY

flashsales@spx.com | flashtechology.com/obstruction | 1.615.503.2000

©2020 Flash Technology. All rights reserved. Data and specifications subject to change without notification. ISO 9001:2015. D370D-01 Rev F