

Vanguard® Red FTS 371

The Vanguard Red FTS 371 is a low-power FAA L-810/L-864 red obstruction lighting system for FAA type A0/A1 structures. It meets changing FAA regulations (AC 150/5345-43J) for flashing markers.

With LED replacing incandescent lighting and marker power consumption decreasing by as much as 98%, a new approach for accurate monitoring is required. The FTS 371 uses a patent-pending current feedback monitoring technology that will not fluctuate with changes in incoming power and temperature, providing consistent and predictable results.

Standard Features

- Flash rate of 20, 30, 40 or 60 flashes per minute (200 ms flash duration)*
- Red and infrared (IR) LEDs for compliance with FAA AC150/5345-43J and low power consumption
- Mode override switch
- Photodiode control with alarm inhibit option
- 1 dry contact relay (primary alarm)
- Support for up to 4 markers and 1 beacon
- 5-year warranty

Regulatory Compliance

- FAA types L-864 and L-810 under AC 150/5345-43J
- Accommodates FAA AC 70/7460-1K, 1L and 1M marker requirements (steady, flashing and IR)
- Transport Canada CAR 621.19 type CL-864
- ICAO Annex 14 (7th edition) medium intensity types B and C
- DGAC Mexico type L-864



A1 configuration



A0 configuration

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SPECIFICATIONS

Input Voltage	85-265 VAC at 50/60 Hz 12-48 VDC ± 10% (12 VDC for markers only)
FH Aerodynamic Wind Area	99.125 in ²
Protection Rating	IP66, NEMA 4X

DIMENSIONS AND WEIGHT

Component	Dimensions	Weight
Polycarbonate Controller	7.8 x 8.25 x 4" (198.1 x 209.6 x 101.9 mm)	AC/DC 2.1 lbs. (0.95 kg)
Flashhead	15.75" dia. x 7.5" (400 dia. x 190.5 mm)	AC/DC 25.6 lbs. (11.7 kg)
Single L-810	9" x 2.75" x 2.13" (228.6 x 69.9 x 54.1 mm)	DC 1.6 lbs. (0.7 kg)
Double L-810	11.0" x 5.0" x 8.75" (279.4 x 127 x 222.25 mm)	DC 5.4 lbs. (2.45 kg)

POWER CONSUMPTION

		20 fpm	30 fpm*	Steady
FTC 371	AC	0.9	0.9	0.9
	DC	0.8	0.8	0.8
FH 371	AC	4.0	5.3	30
	DC	4.0	5.3	30
Single L-810	DC	-	0.5	2.5
			0.8 IR	3.9 IR
Double L-810	DC	-	1.0	5.0
			1.6 IR	7.8 IR

RED TOWER LIGHTING

FAA AC 70/7460-1M

- **Tower Type A0:** Less than 150' including appurtenances, marked with 1 steady-burn double red/infrared L-810 (OL2) for night
- **Tower Type A1:** 150-300' including appurtenances, marked with 1 red/infrared/white L-864 medium intensity beacon and 2 or more single red/infrared L-810 marker lights configured to flash in sync with the L-864 at 30 fpm for night

FAA AC 70/7460-1L

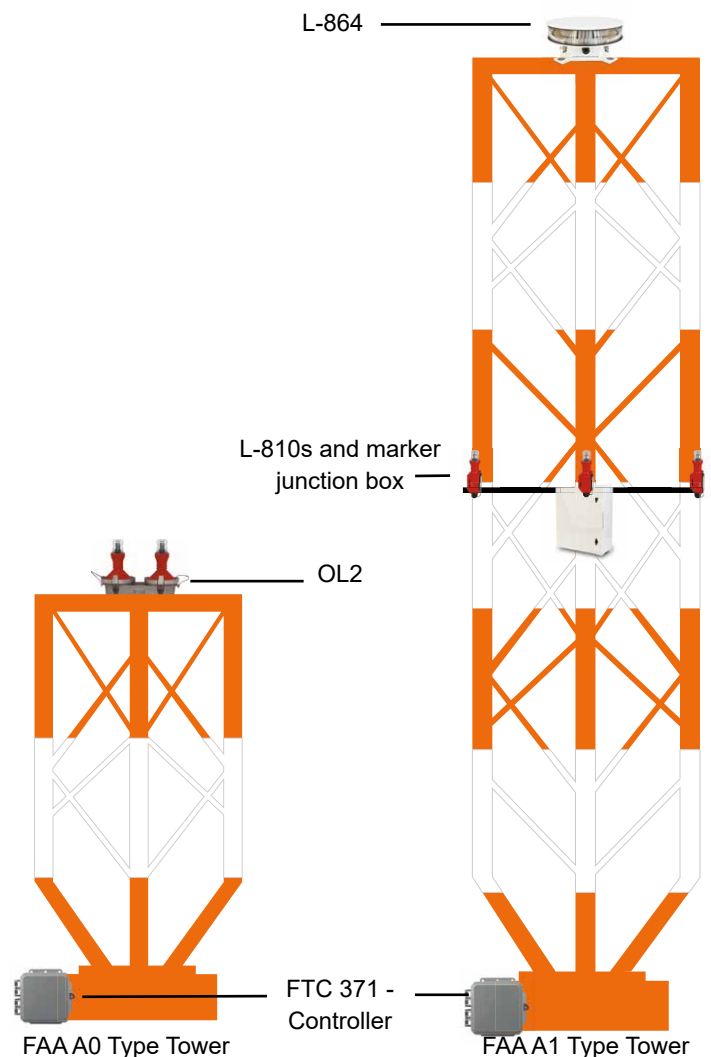
- **Tower Type A0:** Less than 150' including appurtenances, marked with 1 steady-burn double L-810 (OL2) for night
- **Tower Type A1:** 150-300' including appurtenances, marked with 1 L-864 medium intensity beacon and 2 or more single L-810 marker lights configured to flash in sync with the L-864 at 30 fpm for night

FAA AC 70/7460-1K

- **Tower Type A0:** Less than 150' including appurtenances, marked with 1 steady-burn double L-810 (OL2) for night
- **Tower Type A1:** 150-300' including appurtenances, marked with 1 L-864 medium intensity beacon and 2 or more low intensity type B steady red lights for night

ICAO Annex 14

- **Type B Lighting:** 45-105 m including appurtenances, marked with 1 medium intensity type B flashing beacon and 2 or more steady-burn single L-810 marker lights for night
- **Type C Lighting:** 45-105 m including appurtenances, marked with 3 medium intensity type C steady-burn red beacons for night



* Only 30 fpm is applicable for FAA-certified applications files under AC 70/7460-1M.

FLASH TECHNOLOGY

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