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.

A1 configuration

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

A0 configuration

Vanguard® Red FTS 371

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 in²
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
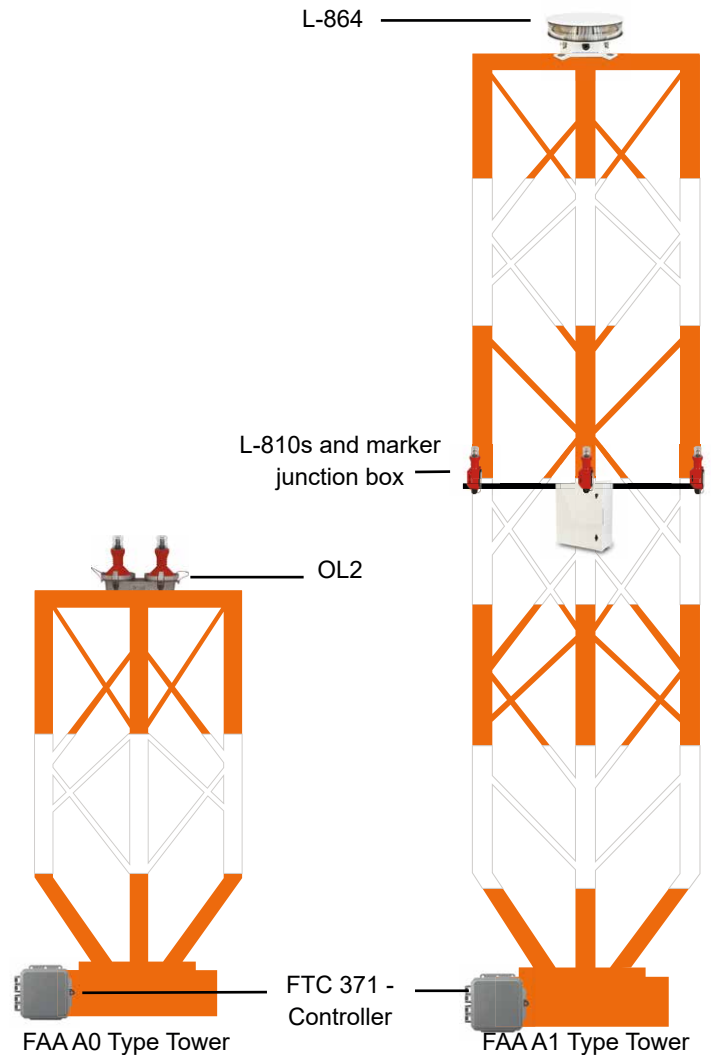
FAA AC 70/7460-1L

↗ **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

L-864

L-810s and marker junction box

OL2

FTC 371 - Controller

FAA A0 Type Tower

FAA A1 Type Tower

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

FLASH TECHNOLOGY ⁄⁄⁄