

Vanguard® Red FTS 371 SMART with SNMP

The Vanguard Red FTS 371 SMART is an FAA L-810/ L-864 red lighting system for FAA A0/ A1/A1+1 structures. It meets FAA regulations for flashing markers and complies with L-885 for catenary applications.

The system offers Ethernet-based SNMP monitoring. An optional LTE modem is available for Flash Technology NOC monitoring, or the Ethernet port can be used for third party monitoring using SNMP v2c or v3.

Data can be uploaded to the Flash Technology web portal for monitoring data, reporting and remote diagnostics. 24/7/365 monitoring and call center services are available with Flash Technology monitoring.

Meets FAA AC 150/5345-43J and can accommodate both AC 70/7460-1K, 1L and 1M marker requirements.

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
- Photodiode control with alarm inhibit option
- Support for up to 8 markers and 2 beacons for AC; 1 beacon for DC
- GPS synchronization
- 8 dry contact monitoring data points
- SMART interface provides compliance with FCC quarterly lighting inspection (QLI) waiver
- 5-year warranty on lighting system
- 2-year warranty monitoring components

System Options

- LTE modem (AT&T or Verizon)

SNMP Monitoring Interface

On-site or remote web interface provides the following capabilities:

- Lighting system status and diagnostics
- Ability to configure and change mode
- Perform lighting inspections



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SPECIFICATIONS	
Regulatory	FAA AC 150/5345-43J: L-864, L-885 and L-810
	ICAO Annex 14: Medium Intensity Types B and C and Low Intensity Type B (7th edition)
	Transport Canada CAR 621.19: CL-864, CL-885 and CL-810
	DGAC Mexico: L-864 and L-810
CE	
Input Voltage	85-265 VAC at 50/60 Hz 12-48 VDC ± 10% (12 VDC for markers only)
FH Aerodynamic Wind Area	99.1 in ² (0.06 m ²)
Protection Rating	IP66, NEMA 4X

POWER CONSUMPTION (WATTS)				
		20 fpm	30 fpm	Steady
FTC 371	AC	3.8	3.8	3.8
	DC	1.3	1.3	1.3
FH 371	AC	4.0	5.3	30
	DC	4.0	5.3	30
Marker 371 (Single L-810)	DC	-	0.5 0.8 IR	2.5 3.9 IR
OL2 (Double L-810)	DC	-	1.0 1.6 IR	5.0 7.8 IR

DIMENSIONS		WEIGHT	
Controller	23" x 17.13" x 6.44" (584.2 x 434.3 x 162.6 mm)	AC	31 lbs. (14.1 kg)
Flashhead	15.75" dia. x 7.5" (400 dia. x 190.5 mm)	AC/DC	25.85 lbs. (11.7 kg)
Marker (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)
OL2 (Double L-810)	11.0" x 5.0" x 8.75" (279.4 x 127 x 222.25 mm)	DC	5.40 lbs. (2.45 kg)

RED TOWER LIGHTING

FAA AC 70/7460-1M

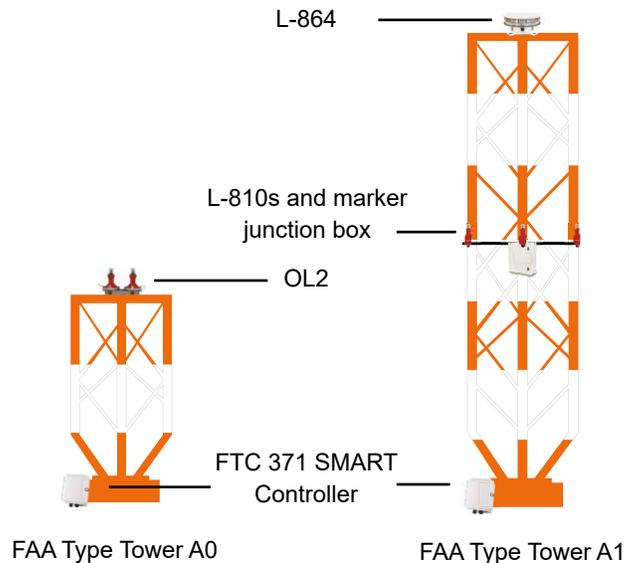
- **Tower Type A0:** Less than 150' including appurtenances, marked with 1 steady-burn double red/infrared L-810 (OL2) for night
- **Tower Type A1:** 150-300' including appurtenances, marked with 1 L-864 red/infrared/white medium intensity beacon and 2 or more single red/infrared L-810 marker lights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

FAA AC 70/7460-1L and 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 single L-810 marker lights configured to flash in sync with the L-864 at 30 fpm 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 flash rate is applicable for FAA certified applications filed under AC 70/7460-1M.

FLASH TECHNOLOGY

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