

FTS 371

VANGUARD® OBSTRUCTION LIGHTING SYSTEM

The Vanguard® FTS 371 red LED obstruction lighting system is designed for FAA type A0/A1 structures, helping operators maintain FAA compliance even in environments where power fluctuations and temperature extremes can impact light performance. Its patent-pending current feedback monitoring technology ensures consistent light output, resulting in reliable, continuous aviation safety while minimizing operational disruptions.

Key Features

- Intertek Certified to FAA AC 150/5345-43J
- Compliant with ICAO and other regulatory standards
- Turnkey solutions include lights, cables, and installation hardware
- **Optional** Solar Power Supply

FTS 371 RED OBSTRUCTION LIGHTING SYSTEMS



A0 CONFIGURATION



A0 CONFIGURATION



A1 CONFIGURATION



A1 CONFIGURATION



A0/A1/A1+1 CONFIGURATION

	FTS 371	FTS 371 SMART	FTS 371 SMART WITH SNMP
DRY CONTACTS FOR MONITORING	1	4	8
BEACONS (maximum number supported)	1	AC 2 DC 1	AC 2 DC 1
MARKERS (maximum number supported)	4	8	8
MODBUS FTU SERIAL RS-485	-	Yes	Yes
GPS SYNCHRONIZATION	-	Optional	Included
MONITORING	-	FTM 190	Integrated
GLI WAIVER COMPLIANCE	-	Yes	Yes
LTE MODEM	-	-	AT&T or Verizon

Technical Specifications

LIGHT CHARACTERISTICS	
LIGHT SOURCE	High-powered LED
AVAILABLE COLORS	Red, Red/IR
FLASH CHARACTERISTICS	Steady-on and Multiple Flash Patterns
LED LIFE EXPECTANCY	>100,000 Hours
INPUT VOLTAGE	85-265 VAC 50/60 Hz 12-48 VDC ±10%
FH AERODYNAMIC WIND AREA	99.1 in ² (0.06 m ²)
PROTECTION RATING	IP66, NEMA 4X

POWER CONSUMPTION					
		20 FPM	30 FPM	STEADY	
FTC 371	AC	3.8W	3.8W	3.8W	
	DC	1.3W	1.3W	1.3W	
FH 371	AC	4.0W	5.3W	30W	
	DC	4.0W	5.3W	30W	
MARKER 372 (SINGLE L-810)	DC	-	0.5W	2.5W	
			1.5W IR	6.9W IR	
OL2 (DOUBLE L-810)	DC	-	1.0W	5.0W	
			3.0W IR	13.8W IR	

COMPLIANCE		
FAA	FAA L-864/L-810, L-885 FAA AC 150/5345-43J	
ICAO	ICAO Annex 14 Medium Intensity Types B and C	
TRANSPORT CANADA	CAR 621.19: CL-864, CL-885, and CL-810	
AFAC MEXICO	L-864/L-810	
QUALITY ASSURANCE	ISO 9001:2015	
WARRANTY	Light Monitoring	5 Years 2 Years
TRADEMARKS	Flash and Flash Technology® are brand of SPX Aids to Navigation (a division of SPX Technologies)	

PHYSICAL CHARACTERISTICS						
	LENGTH	WIDTH	DEPTH	WEIGHT	BODY MATERIAL	BODY COLOR
FTS 371 CONTROLLER	8.25 in (209.6 mm)	4 in (101.9 mm)	7.8 in (198.1 mm)	2.1 lb (0.9 kg)	Polycarbonate	Grey
FTS 371 SMART CONTROLLER	10 in (254 mm)	6 in (155.4 mm)	8 in (203.2 mm)	AC 5.6 lb (2.5 kg) DC 4.9 lb (2.2 kg)	Polycarbonate	White
FTS 371 SMART W/ SNMP CONTROLLER	23 in (584.2 mm)	6.4 in (162.6 mm)	17.1 in (434.3 mm)	31 lb (14.1 kg)	Aluminum	White
FLASHHEAD	15.75 in (400 mm)	15.75 in (400 mm)	7.5 in (190.5 mm)	25.6 lb (11.7 kg)	Aluminum	White
SINGLE L-810	9 in (228.6 mm)	2.13 in (54.1 mm)	2.75 in (69.9 mm)	1.6 lb (0.7 kg)	Aluminum	Red
DOUBLE L-810	11 in (279.4 mm)	8.75 in (222.3 mm)	5 in (127 mm)	5.4 lb (2.4 kg)	Aluminum	Red

RED TOWER LIGHTING GUIDELINES

FAA AC 70/7460-1M

A0

- Less than 150' including appurtenances
- (1) Steady-burn double L-810 (OL2) for night

A1

- 150-300' including appurtenances
- (1) L-864 red/infrared/white medium intensity beacon
- (2) or more single red/infrared L-810 marker lights configured to flash in sync with the L-864 at 30 fpm for night

ICAO Annex 14

Type B

- 45-105 meters including appurtenances
- (1) medium intensity type B flashing beacon at night
- (2) or more steady-burn single low intensity marker lights for night

Diagram illustrating the FAA Type Tower A0 and A1 configurations. The A0 tower is a single tower with OL2 (Double L-810) at the top. The A1 tower is a taller tower with L-864 at the top, L-810s and Marker Junction Box in the middle, and OL2 at the bottom. Both are connected to an FTC 371 Controller.

FAA TYPE TOWER A0

FAA TYPE TOWER A1