



## Vanguard® Red FTS 371 SMART

### Medium Intensity RED LED Aviation Obstruction Lighting System



A1 configuration



A0 configuration

The FTS 371 SMART is a low-power FAA L-810/L-864 red lighting system for FAA type A0/A1 structures. It meets changing FAA regulations for flashing markers and also complies with FAA L-885 for catenary applications.

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.

The FTS 371 SMART meets FAA AC 150/5345-43H and can accommodate both AC 70/7460-1K and 1L marker requirements. The system also meets Transport Canada CAR 621.19, ICAO Type B and Type C (7th Edition) and DGAC Mexico.

#### STANDARD FEATURES

- Flash rate of 20, 30, 40 or 60 flashes per minute (200 ms flash duration) \*
- Infrared beacon LEDs for night vision compatibility
- Mode override switch
- Photodiode control with alarm inhibit option
- Modbus RTU Serial RS-485
- (4) dry contact relays (PHD, BCN and MKR alarms, MODE status relay)
- Support for up to 8 markers and 2 beacons for AC; 1 beacon for DC
- Sync input/output interconnects multiple boards for sync without GPS
- (5) year warranty






\* Only 30 fpm flash rate is applicable for FAA certified applications filed under AC 70/7460-1L.

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## SYSTEM OPTIONS

- **Negative 24-48VDC ± 10%** (Isolated DC Power Supply)
- **GPS Synchronization**
- **Powder Coated Aluminum Enclosure**
- **SNMP Monitoring through FTM 190**
- **Infrared Marker LEDs**

## GENERAL SPECIFICATIONS

<b>Input Voltage</b>	85-265 VAC at 50/60 Hz 12-48 VDC ± 10% (12 VDC for markers only)
<b>FH Aerodynamic Wind Area</b>	99.125 in <sup>2</sup>
<b>Protection Rating</b>	IP65, NEMA 4X
<b>Certifications</b>	    

Component	Dimensions	Weight	
<b>Polycarbonate Controller</b>	10" x 8" x 6" (254 x 203.2 x 155.4 mm)	AC	5.6 lbs. (2.54 kg)
		DC	4.9 lbs. (2.22 kg)
<b>Aluminum Controller</b>	16.1" x 10.5" x 4.9" (408.9 x 266.7 x 124.5 mm)	AC	9.5 lbs. (4.3 kg)
		DC	8.8 lbs. (4 kg)
		(-) 24 VDC	10.7 lbs. (4.8 kg)
		(-) 48 VDC	10.7 lbs. (4.8 kg)
<b>Flashhead</b>	15.75" dia. x 7.5" (400 dia. x 190.5 mm)	AC/DC	25.85 lbs. (11.7 kg)
<b>Marker</b> (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)
<b>OL2</b> (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)

Power Consumption (Watts)				
		20 fpm	30 fpm	Steady
<b>FTC 371</b>	AC	3.8	3.8	3.8
	DC	1.3	1.3	1.3
<b>FH 371</b>	AC	4.0	5.3	30
	DC	4.0	5.3	30
<b>Marker 371</b> (Single L-810)	DC	-	0.5	2.5
			0.8 IR	3.9 IR
<b>OL2</b> (Double L-810)	DC	-	1.0	5.0
			1.6 IR	7.8 IR



Bright Ideas. Brilliant Results.

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