



FTS 370d Vanguard® Medium

Medium Intensity Dual LED Aviation Obstruction Lighting System



The FTS 370d Vanguard Medium is a dual FAA L-864/L-865 medium intensity LED lighting system for structures between 200' and 700' AGL (*FAA E-type towers*). The system also meets FAA L-885 low intensity catenary requirements. It complies with CAR 621 2nd edition for medium intensity CL-864/CL-865 flashing lights and ICAO 6th edition standards for medium intensity type A/type B obstacle lights.

The Vanguard Medium uses a single cable for communications as well as beacon and marker power. Firmware can be upgraded for future compatibility with no need for controller modification. The single enclosure houses a low voltage environment that removes the need for an interlock switch, allowing alarms to remain active when the door is open.

STANDARD FEATURES

- Industry-leading 25kA surge immunity
- LTE modem for greater reliability
- Ruggedized photodiode in metal housing with shielded cable
- Input power breaker switch eliminates replaceable fuses
- Outdoor Wi-Fi antenna for diagnostics and lighting inspections
- Patented Fresnel lens minimizes ground scatter
- Interleaved LEDs and by-pass circuitry provide longer life
- ADLS interface
- Configurable to meet AC 70/7460-1L (*avian-friendly*)
- Dry contact monitoring (*day, night, marker, PED, GPS, comm alarms and mode status*)
- (5) year warranty

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OPTIONAL FEATURES

- **Infrared Lighting** - NVG and NVIS compatibility using 850nm infrared (IR) LEDs
- **SMART Card** - Monitor and control the system remotely and receive full diagnostic information through LTE modem or ethernet-based connectivity; SNMP, Modbus or Eagle Protocols can be used
- **GPS Synchronization**
- **Remote Upgradeable Firmware**
- **Tek90 Support** - Protects from RF interference and damage on high-power broadcast towers up to 700' AGL

GENERAL SPECIFICATIONS

Input Voltage	100-240 VAC ±24 VDC (optional) ±48 VDC (optional)
Frequency	50-60 Hz
Marker Power Consumption	2.1 watts per marker (not included in system consumption) 3.4 watts with IR (not included in system consumption)
Marker Dimensions	9" x 2.75" x 2.13" (228.6 x 69.9 x 54.1 mm)
Marker Weight	1.6 lbs. (0.7 kg)
FH Dimensions	15.75" dia. x 7.31"
FH Weight	26.3 lbs. (11.92 kg)
FH Aerodynamic Wind Area	99.125 in ²
Controller Dimensions	23" x 17.13" x 6.44"
Controller Weight	44 lbs. (20 kg)
Protection Rating	IP65, NEMA 4X
Certifications	    

	Power Consumption (with IR)	Flash Rate (per min)	Flash Intensity
L-864 L-865	Day (white) 80w (70w)	40 flashes	20,000 ±25% ECD
	Night (red) 40w (40w)	20/30/40 flashes	2,000 ±25% ECD
	Night (white) 40w (40w)	40 flashes	2,000 ±25% ECD
L-866 L-885	Day (white) 110w (100w)	60 flashes	20,000 ±25% ECD
	Night (red) 50w (50w)	60 flashes	2,000 ±25% ECD
	Night (white) 50w (50w)	60 flashes	2,000 ±25% ECD

* Only 30 fpm flash rate is applicable for FAA certified applications filed under AC 70/7460-1L, and requires the use of L-810(F) depending on the height of the structure.



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