

# FTS 370w Vanguard® Medium

## Medium Intensity White LED Aviation Obstruction Lighting System

### Compliance and Applications

The FTS 370w Vanguard Medium is a (white) FAA L-865 medium intensity LED aviation obstruction lighting system for structures between 200' and 700' AGL (FAA D-tower types). The system also meets CAR 621 2nd edition standards for medium intensity CL-865 flashing obstruction lights as well as ICAO 6th edition standards for medium intensity type A obstacle lights.

The Vanguard Medium uses a single cable for flash head power, marker power and communication. 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 opened.

### Standard Features

- Infrared Lighting - NVG and NVIS compatibility using 850nm infrared (IR) LEDs
- 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

### Optional Features

- 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 highpower broadcast towers up to 700' AGL



### General Specifications

<b>Input Voltage</b>	100-240 VAC ±24 VDC (optional) ±48 VDC (optional)
<b>Frequency</b>	50-60 Hz
<b>FH Dimensions</b>	15.75" dia. x 7.31"
<b>FH Weight</b>	26.3 lb. (11.92 kg)
<b>FH Aerodynamic Wind Area</b>	99.125 in <sup>2</sup>
<b>Controller Dimensions</b>	23" x 17.13" x 6.44"
<b>Controller Weight</b>	44 lb. (20 kg)
<b>Protection Rating</b>	IP65, NEMA 4X

### Certifications



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