



## FTS 370d Vanguard® Medium for Wind Turbines

Medium Intensity Dual LED FAA L-864/L-865, ICAO Type A, Type B



The FTS 370d Vanguard Medium is a dual (*red and white*) FAA L-864/L-865 medium intensity LED obstruction lighting system. With a separate flashhead and system controller, it is a split system. The FTS 370d brings the benefits of Vanguard technology to wind turbines with white and red LED flashing lights for day and night mode operation. With significant advances in lifespan, operation, maintenance and ease of installation, the Vanguard series can significantly lower total cost of ownership.

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

- 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**

## 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 lbs. (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 lbs. (20 kg)
<b>Protection Rating</b>	IP65, NEMA 4X

**Certifications**

ETL Intertek C, CSA US, Transport Canada

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



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### D370E-01 Rev B

Data and specifications subject to change without notification.

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