

## Vanguard® FTS 370i Wind Turbine Lighting

The Vanguard FTS 370i IR is uniquely designed to accommodate the latest developments in wind turbines. In addition to being certified to the new FAA specification (FAA AC 150/534-43J), this lighting system is designed to work with Aircraft Detection Lighting System (ADLS) radars from market leaders like Detect™ and Terma™. Flash Technology's new FTC 370 Lighting Control Module (LCM) enables wind farms to eliminate light pollution and realize significant energy savings.

The compact FTS 370i is a fully integrated, stand-alone LED obstruction light that does not have a controller taking space inside the nacelle. Incorporating patented optics and industry-leading surge protection, the FTS 370i has proven its reliability through years of field operations. With both FAA L-864 and ICAO Type B certifications, the FTS 370i can be used in standalone or dual configurations (turbine rotor tip height greater than 500 feet) specified by the FAA, ICAO and other regulatory agencies.



### Standard Features

- Fully integrated system – no external controller
- Designed to work with market-leading Aircraft Detection Lighting Systems (ADLS)
- Infrared (IR) LEDs for compatibility with NVG and NVIS per FAA AC 150/5345-43J
- Patented Fresnel optics to reduce light pollution by minimizing ground scatter
- Industry-leading surge immunity of 25kA withstands 99% of all lighting strikes
- GPS for synchronized flashing
- Patented 360-degree light collector to switch light on at night
- Dry contact relay: beacon, sync and mode status
- Field configurable flash rate to 20 or 30 fpm
- 5-year parts warranty

### System Options

- Mounting brackets available for multiple turbine manufacturers
- Overvoltage protection device (OVP) protects against lightning strikes (approved for Siemens turbines)

### Regulatory Compliance

- FAA L-864 per AC 150/5345-43J and AC 70/7460-1M
- ICAO Annex 14 6th edition, medium intensity type B
- DGAC L-864
- CSA

# FTS 370i

## SPECIFICATIONS

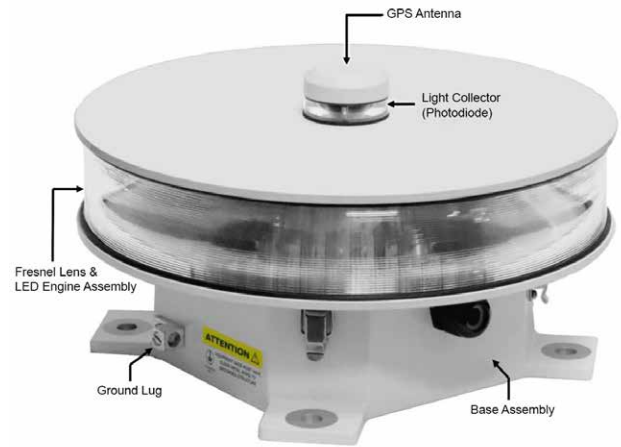
Input Voltage	120-240 VAC
Frequency	50-60 Hz
FH Dimensions	15.75 dia. x 7.31" (8.7" top of GPS) 400 dia. x 180.6 mm (220.7 mm top of GPS)
FH Weight	26.3 lbs. (11.9 kg)
FH Aerodynamic Wind Area	99.125 in <sup>2</sup> (63,900.51 mm <sup>2</sup> )
Protection Rating	IP66

## POWER CONSUMPTION

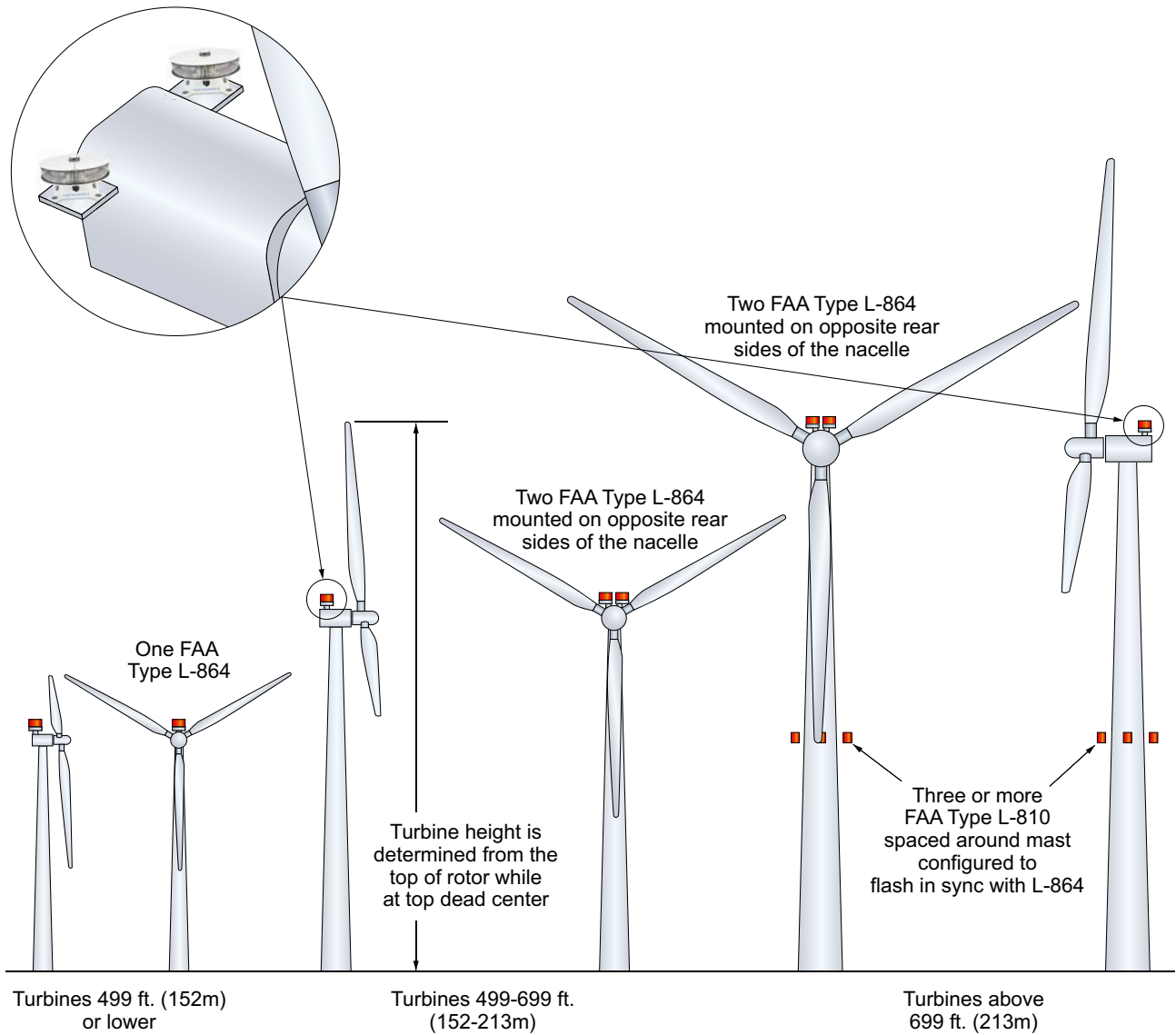
	20 fpm	30 fpm	40 fpm
L-864 red night at 2,000 ± 25% ECD flash intensity	7W	10W	13W

Power consumption is 2 watts in stand-by.

## FTS 370I-2 COMPONENTS



## FAA WIND TURBINE LIGHTING



# FLASH TECHNOLOGY

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