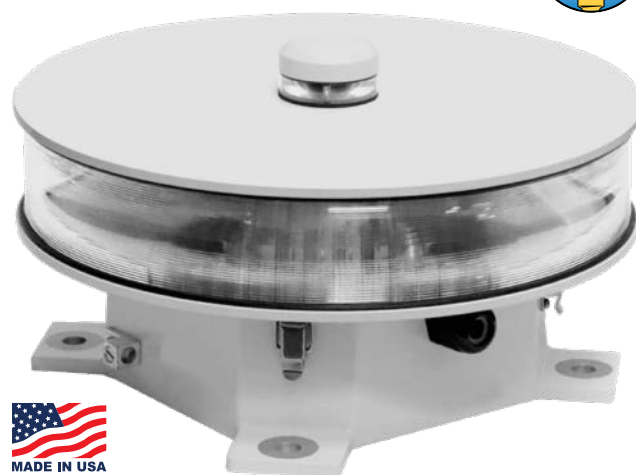


FTS 370i Vanguard®

Medium Intensity Red LED Aviation Obstruction Lighting System for Wind Turbines



Compliance and Applications

The FTS 370i Vanguard® is available as an FAA L-864 or ICAO Type B medium intensity aircraft warning light. Since it is an integrated system, no external system controller is required. Utilizing red LEDs and infrared LEDs, the design creates a perfect solution for wind turbine lighting systems.

For wind turbines with a rotor tip height between 500' and 700', two Vanguard 370i lights can be used together on one nacelle to meet FAA AC 70/7460-1L specifications. The Vanguard FTS 370i features standard GPS synchronization to ensure proper flashing characteristics.

Standard Features

- Infrared Lighting - NVG and NVIS compatibility using 850nm infrared (IR) LEDs.
- Interleaved LEDs and by-pass circuitry provide longer life by allowing the loss of individual LEDs up to the 25% limit.
- 200kA surge suppression.
- Patented Fresnel optics to minimize ground scatter.
- Aircraft Detection Lighting Systems (ADLS) interface.
- Versatile mounting options.
- Patented 360° light collector.
- Ruggedized GPS antenna for reliable synchronization.
- Field configurable flash characteristics.
- Single dry contact alarm conveys LED, sync and mode status.
- 5 year warranty.

Optional Features





- Overvoltage Protection - Additional overvoltage protection device mounted inside the nacelle for lightning protection zone 1 (LPZ 1).
- Adjustable Mounting Pedestal - For mounting in variable mounting positions.

Ordering Code

FTS 370i: 38-FTS370i



General Specifications

Input Voltage	120-240 VAC
Frequency	50-60 Hz
FH Dimensions	15.75" dia. x 7.31" (8.69" top of GPS) (400.1 dia. x 185.67 mm) (220.73 mm to top of GPS)
FH Weight	26.3 lb. (11.93 kg)
FH Aerodynamic Wind Area	99.125 in ² (63,951.485 mm ²)
Protection Rating	IP65, NEMA 4X
Certifications	   

	Power Consumption 20fpm (with IR)	Flash Rate (per min)	Flash Intensity
FTS 370i	Day (standby)	5W	-
	Night (red)	7W (7W)	2,000 ± 25% ECD
FTS 370i ICAO	Day (standby)	5W	-
	Night (red)	9W (9W)	2,000 ± 25% ECD

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