



FTS 350i Wind Turbine Lighting System

The FTS 350i is an economical FAA L-864 / ICAO Type B red LED lighting system specifically designed for wind turbine applications that do not require the advanced features of the FTS 370i.

Small and light, this stand-alone obstruction light does not have a controller taking up scarce space inside the nacelle. The weather-proof, UV-resistant, polycarbonate construction provides a 90% weight reduction over the FTS 370i.

The FTS 350i is compliant to FAA AC 70/7460-1M and 1L requirements for turbines with rotor tip heights less than 699 feet and is certified to AC 150/5345-43J with infrared LEDs.



Standard Features

- Fully integrated system – no external controller
- Easy to carry and install on turbines due to extremely low weight
- Infrared (IR) LEDs for compatibility with NVG and NVIS per FAA AC 150/5345-43J
- Fresnel optics minimize ground scatter, making the light more community friendly
- 10kA surge protection, two times the FAA-specified minimum
- GPS for synchronized flashing
- Handheld remote controller simplifies light setup
- Field-configurable flash rate of 20 or 30 fpm
- Dry contact alarm for beacon, GPS sync and mode change
- 2-year replacement warranty

Optional Features

- Adaptor plates for existing mounting brackets
- Mounting brackets available for multiple turbine manufacturers
- Overvoltage protection device (OVP)

| PRODUCT COMPARISON | FTS 350i | FTS 370i |
|-----------------------------|--|--|
| Surge Protection | 10kA | 25kA |
| Warranty | 2-year replacement | 5-year parts |
| Weight | 2.9 lbs. (1.3 kg) | 26.3 lbs. (11.9 kg) |
| Wind Area | 26.8 in ² (17,290 mm ²) | 99 in ² (63,870.8 mm ²) |
| Power Consumption at 30 fpm | 9 W | 10 W |
| GPS Sync | ✓ | ✓ |
| Alarm Relay | ✓ | ✓ |
| Infrared LEDs | ✓ | ✓ |
| Radar Interface | – | ✓ |

FTS 350i

SPECIFICATIONS

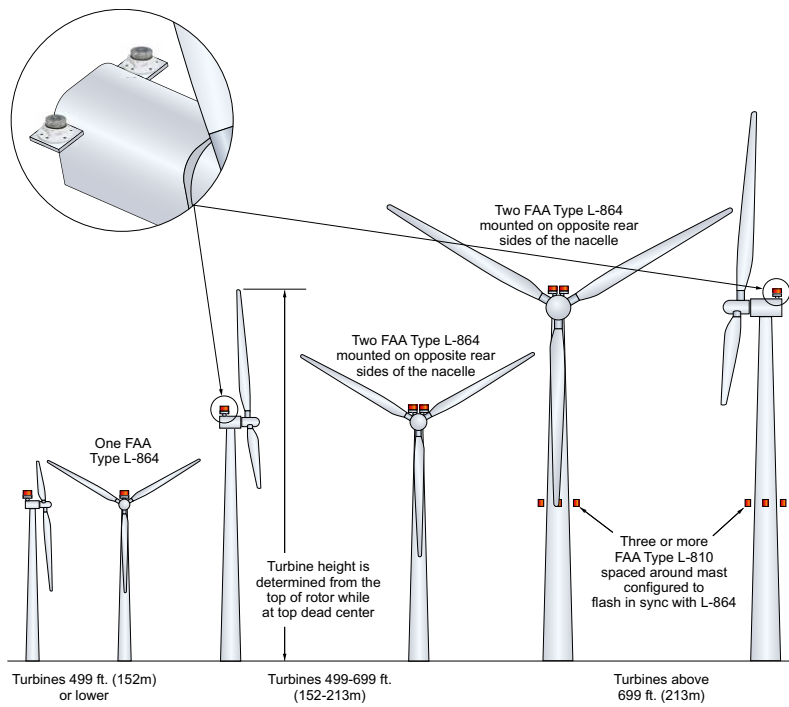
| | |
|--------------------------|--|
| Input Voltage | 120-240 VAC |
| Frequency | 50-60 Hz |
| FH Weight | 2.9 lbs. (1.3 kg) |
| FH Aerodynamic Wind Area | 26.8 in ² (17,290 mm ²) |
| Protection Rating | IP66 |

POWER CONSUMPTION

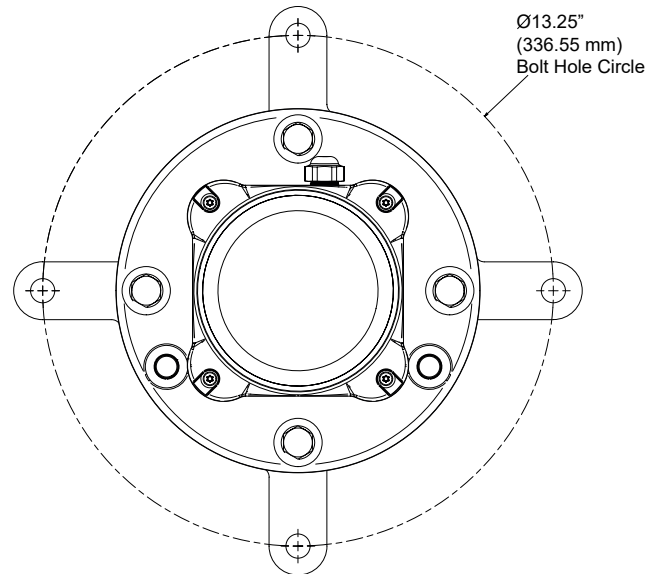
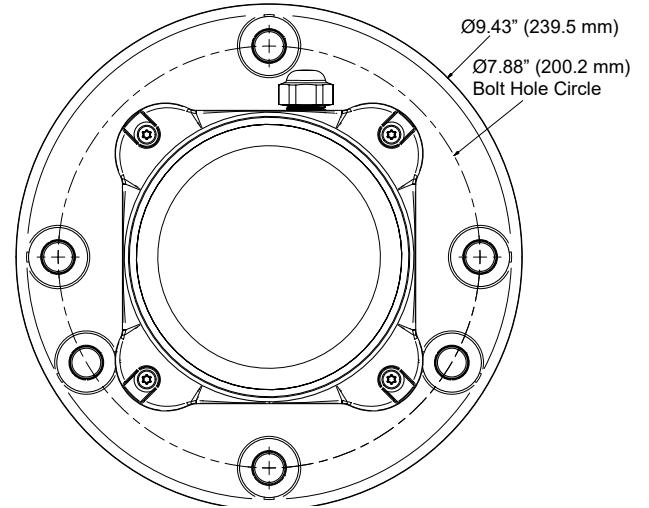
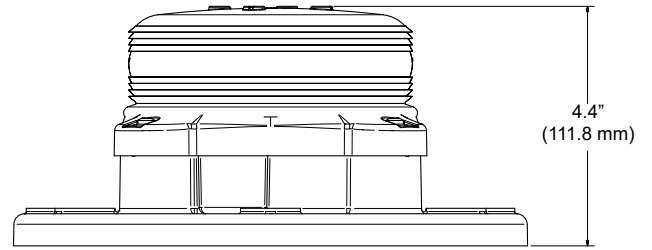
| | 20 fpm | 30 fpm |
|--|--------|--------|
| L-864 red night at 2,000 ± 25% ECD flash intensity | 6W | 9W |

Power consumption is 1 watt in stand-by.

FAA WIND TURBINE LIGHTING



DIMENSIONS



FTS 350i with
Adaptor Plates

FLASH TECHNOLOGY

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