



# FTS 372 Vanguard®

## Medium Intensity LED Aviation Obstruction Lighting Systems

### Compliance

- Certified FAA AC 150/5345-43J: L-864/L-865 medium intensity light
- Meets FAA L-885 low intensity catenary requirements
- Compliant with FAA AC 70/7460-1M
- ICAO Annex 14: Medium Intensity Type A/Type B
- Transport Canada: CAR 621 (CL-864/CL-865)

### Applications

Designed to simplify multi-beacon installations, the Vanguard Medium FTS 372 is a medium intensity lighting system for structures between 200' and 700' AGL. It is configurable for FAA Type E (red/white), D (white) and A (red) applications. This system implements RS-485 communication for improved system reliability and is heavily shielded to reduce susceptibility to electromagnetic interference (EMI).

The FTS 372 does not require binding operations. The firmware for all components on the tower can be remotely updated, eliminating the cost of site visits and emergency tower climbs. The IP66 rated enclosures house a low voltage environment, making it safer for technicians to service during active operation.

### Standard Features

- Multi-flashhead systems require only two enclosures, reducing the mounting footprint and simplifying installation
- Enhanced remote diagnostic capabilities to provide real-time visibility, early warnings and remote interventions
- Industry-leading 25kA surge suppression rating, protecting against 99% of lightning strikes, when properly installed and grounded
- Ability to monitor and control up to eight LED flashheads
- RS-485 communication allows for remote firmware (FW) upgrades to all tower devices, reducing unnecessary site visits and tower climbs
- Intelligent FW eliminates incidences of white/day mode during nighttime operation
- Power module consolidated into one modular assembly to expedite and simplify repairs
- Dry contact monitoring (day, night, marker, PHD, GPS, comm alarms and mode status)
- 5-year warranty



### System Options (SMART Capabilities)

- Monitor and control the entire system remotely, and receive full diagnostic information through LTE modem or Ethernet-based connectivity. SNMP, Modbus or Eagle protocols may be used.
- GPS and Real-Time-Clock mode change fail-safe protects the community against light pollution, in the event of a photodiode failure
- Advanced monitoring of your onsite backup generator
- Battery back-up controller to monitor internal battery health
- Enhanced data transmission speeds with optional fiber optic kit
- Outdoor Wi-Fi antenna for onsite diagnostics and lighting inspections



# Vanguard® Medium FTS 372

## SPECIFICATIONS

|                          |  |
|--------------------------|--|
| Regulatory Compliance    | FAA AC 150/5345-43J L-864, L-865, L-885      |
|                          | ICAO Annex 14 Medium Intensity Types A and B |
|                          | Transport Canada CAR 621 CL-864, CL-865      |
|                          | CSA<br>CE                                    |
| Input Voltage            | 100-240 VAC, 277 VAC<br>±48 VDC (optional)   |
| Frequency                | 50-60 Hz                                     |
| FH Dimensions            | 15.8 dia. x 7.3" (401 dia. x 185 mm)         |
| FH Weight                | 26.3 lbs. (11.9 kg)                          |
| FH Aerodynamic Wind Area | 0.7 ft <sup>2</sup> (0.2 m <sup>2</sup> )    |
| Marker Dimensions        | 9 x 2.8 x 2.1" (228 x 69 x 54 mm)            |
| Marker Weight            | 1.6 lbs. (0.7 kg)                            |
| Controller Dimensions    | 23.8 x 17.5 x 8.5" (584 x 434 x 162 mm)      |
| Controller Weight        | 44 lbs. (20 kg)                              |
| Protection Rating        | IP66   |

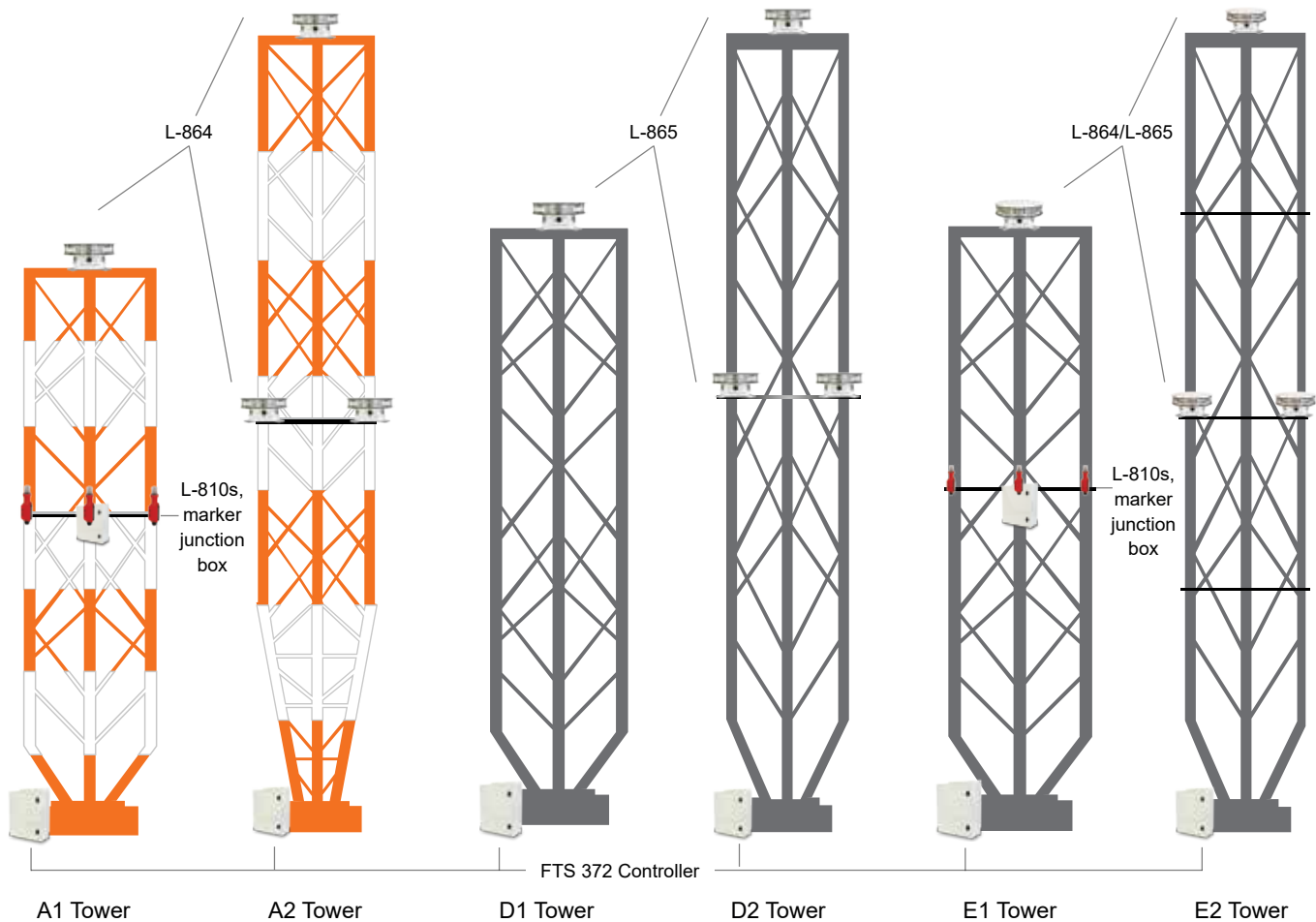
## SPECIFICATIONS CONT...

|                            |   |         |
|----------------------------|---|---------|
| Power Converter Dimensions | 23.8 x 17.5 x 8.5" (584 x 434 x 162 mm) |         |
| Power Converter Weight     | 1 Flashhead                             | 27 lbs. |
|                            | 2 Flashheads                            | 37 lbs. |
|                            | 3 Flashheads                            | 47 lbs. |
| Protection Rating          | IP66                                    |         |

## POWER CONSUMPTION

|       | Mode                 | Wattage | Flash Rate*     | Flash Intensity |
|-------|----------------------|---------|-----------------|-----------------|
| L-865 | Day (white)          | 81      | 40 fpm          | 20,000 +/- 25%  |
|       | Night (white)        | 27      | 40 fpm          | 2,000 +/- 25%   |
| L-864 | Night (red)          | 36      | 20/30/40/60 fpm | 2,000 +/- 25%   |
| L-810 | Night (red)          | 7.1     | Steady          | >32             |
|       | Night (red)/infrared | 1.5     | 30 fpm          | >32             |

## FAA AC 70/7460-1M TOWER LIGHTING



\* Only 30 fpm is applicable for FAA-certified applications filed under AC 70/7460-1M.

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