

Vanguard[®] Medium FTS 372 Lighting System

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 and uses RS-485 for reliable communication and trouble-free operation.

Designed to be robust and easy to use, 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. The IP66 rated enclosures house a low voltage environment, making it safer for technicians to service during active operation.

Regulatory Compliance

The Vanguard Medium FTS 372 is certified to FAA AC 150/5345-43J as an L-864/L-865 medium intensity light. It also meets FAA L-885 low intensity catenary requirements and complies with ICAO (Medium Intensity Type A/Type B) and Transport Canada CAR 621 (CL-864/CL-865).

Standard Features

- Infrared (IR) lighting − NVG/NVIS compatibility per FAA AC 150/5345-43J
- Industry-leading 25kA surge suppression rating, protecting against 99% of lightning strikes when properly installed and grounded
- Interleaved LEDs and by-pass circuitry provide longer life by compensating for individual LED loss
- **7** Patented Fresnel optics minimizes ground scatter to surrounding community
- RS-485 communication allows for remote firmware upgrades to all tower devices, reducing unnecessary site visits and tower climbs
- 7 Multi-flashhead systems require only two enclosures, reducing the mounting footprint and simplifying installation
- **7** Internal power breaker switch to enhance technician safety
- **7** 4-line OLED backlit display for visibility in any lighting conditions
- **7** Dry contact monitoring (day, night, marker, PHD, GPS, comm alarms and mode status)
- Compliant with FAA AC 70/7460-1M
- 5-year warranty

System Options

- SMART Capability monitor and control the system remotely, and receive full diagnostic information through LTE modem or Ethernetbased connectivity. SNMP, Modbus or Eagle protocols may be used.
- GPS mode change fail-safe protects the community against light pollution, in the event of a photodiode failure
- SMART battery back-up controller to monitor battery health
- **7** Outdoor Wi-Fi antenna for onsite diagnostics and lighting inspections
- TE modem for improved communication stability



Vanguard[®] Medium FTS 372

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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		
	CE		
Input Voltage	100-240 VAC, 277 VAC		
	±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 ² (0.2 m ²)		
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 Dimensions23.8 x 17.5 x 8.5" (584 x 434 x 162 mm)Power Converter Weight1 Flashhead27 lbs.2 Flashhead37 lbs.3 Flashhead3 Flashhead47 lbs.Protection RatingIP66

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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