

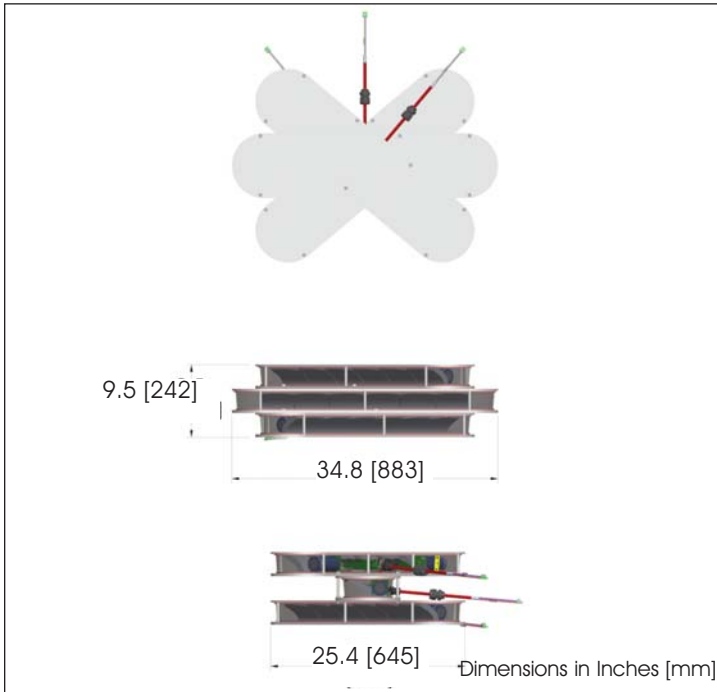
US Patent #7,281,821 other patents pending

Vigilant® LED Based L-864 / L-856 High Intensity (Red / White) Strobe

Application:

The Dialight Vigilant® High Intensity Red/White Strobe is the first all LED L-856 / L-864 unit designed for the lighting of communication towers, smoke stacks, broadcast towers and other tall obstructions to aerial navigation, as specified by the FAA. A high intensity system consists of 3 flash heads, 3 power supplies per level and 1 controller for the entire system. The flash heads will be placed on up to six levels of the structure for a maximum of 18 synchronized flash heads for a single tower. The 3 flash heads will provide 360 degrees of coverage.

Unlike conventional Xenon flashtube technology, Dialight's LED system requires little or no maintenance during its lifetime, drastically reducing costs associated with tower climbs. Working voltages of less than 200VDC are significantly less than those of Xenon flashtube designs; therefore, this system represents an advance in safety. Use of LED technology also provides a more shock and vibration resistant design, ensuring consistent flash intensity every time.



Unit Weight:	63 lbs
Operating Voltage:	Universal 120 - 277V AC 50/60Hz
Effective Intensity:	White Day 270,000 cd White Twilight 20,000 cd White Night 2,000 cd Red 2,000 cd
Wattage:	White Day 220W White Twilight 40W White Night 30W Red Night 30W
Power Factor:	>0.9
Ambient Temp:	-40°F to +131°F (-40°C to +55°C)
Synchronization:	Multiple unit sync from single controller (Operates with other manufacturers of GPS sync devices)

Certifications & Ratings

- FAA Approved
(Check FAA Website for current certification)
- IP 66

Qualified By

- Intertek ETL

Compliant To

- Canadian Aviation Regulation CAR 621 (Transport Canada)
- DGAC Mexico

Part Number	Description	Voltage	Certification / Compliance
D266-A57-SYS	Base System Configuration	120-277V AC	FAA (TC) L-864 / L-856
D266-A57-270	Flash Head and Power Supply	208-277V AC	FAA (TC) L-864 / L-856
D266-A57-CTR	Controller	120-277V AC	FAA (TC) L-864 / L-856
D256-6000-PEC	Twilight / Night photocell, 3/4" conduit entry		FAA (TC) L-864 / L-856
D156-6001JBX	Surge Junction box		
D1RW-C13-009	Antenna Obstruction Light and AOL interface boards with Enclosure		FAA (TC) L-864 / L-856

Accessory