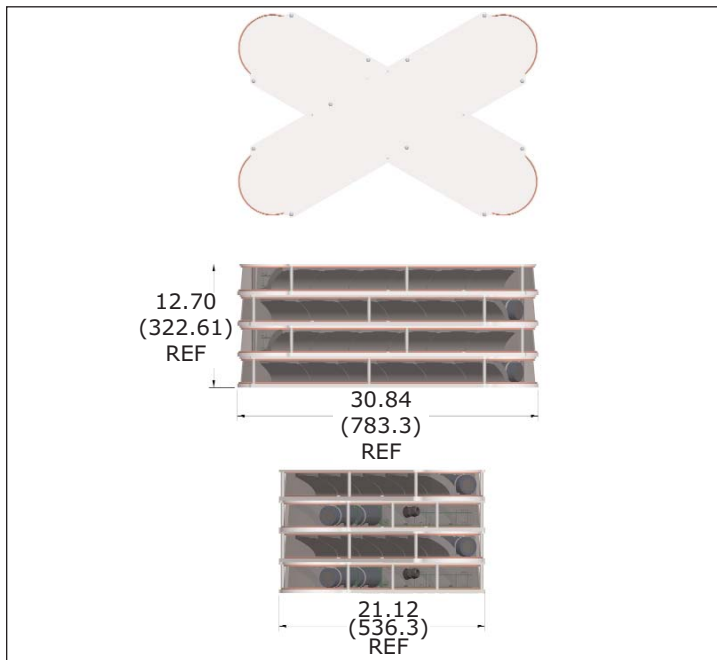




US Patent #7,281,821 Other patents pending

Vigilant™ Series LED Based L-856 High Intensity (White) Strobe



Certifications & Ratings:

- ▷ FAA AC NO: 150/5345-43F
- ▷ FAA Engineering Brief No. 67

Qualified By :

- ▷ Intertek ETL

Compliant to:

- ▷ DGAC Mexico

Features & Benefits:

- ▷ Complete performance 5 year warranty
- ▷ Shock and vibration resistant
- ▷ Patented optic with sharp beam cutoff
- ▷ Minimum ground scatter (community friendly light pattern)
- ▷ High impact polycarbonate lens
- ▷ Specialized lens coating providing superior UV, scratch, and chemical resistance
- ▷ Factory sealed for an IP66 water ingress protection
- ▷ Rugged all metal mounting base
- ▷ Extremely low RF interference

Application:

The Dialight Vigilant™ Series High Intensity LED White Strobe is the first all LED L-856 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, little or no maintenance is required during its lifetime, drastically reducing maintenance 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.

This IP66 rated product is factory sealed to ensure water tight seals are not compromised over the life of the strobe. Additionally, like all of Dialight's Obstruction Lights, patented optics provide sharp cutoff drastically minimizing light pollution and ground scatter.

Flashhead Weight:	85 lbs
Operating Voltage:	Universal 120 - 277 240VAC 50/60Hz
Effective Intensity:	White Day 270,000 cd White Twilight 20,000 cd White Night 2,000 cd
Wattage:	White Day 250W White Twilight 30W White Night 10W
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)

Order code:

Part Number	Description
D156-A33-270	(1) - L-856 flash head and supply
D156-A33-CTR	(1) - Controller
D156-A33-SYS	(3) - L-856 flash heads and supplies, (1) - Controller, (1) Junction Box
D156-A33-LVL	(3) - L-856 flash heads and supplies, (1) Junction Box
D1RW-C13-008	(1) - L-864/L-865 antenna obstruction light and AOL interface boards

Dialight reserves the right to make changes at any time in order to supply the best product possible.

The most current version of this document will always be available at:

http://www.dialight.com/Assets/Brochures_And_Catalogs/Signaling/MDTF856X001.pdf