



## Features

- 5 year warranty; 10+ year life expectancy
- Easy access, color coded terminal blocks for quick and easy installation.
- Hinged Flash Head with color coded terminal block for secure cable install.
- Strategically placed control components to simplify troubleshooting.
- “No-Fault” current limiters built in to protect system from incorrect installs.
- No high voltages as found in Xenon systems
- Patented optics eliminate ground scatter
- No moving or serviceable parts in Flash Head, all replacement components located at tower base.
- Resistant to shock and vibration
- Tested and passed surge tests up to 1.9 Million Volts
- No EMI or RF
- IP66 rated
- GPS synchronization to sync flash rate with other controllers and lights
- Optional S4 stainless steel enclosure

### Certified to:

FAA AC 150/5345-43F  
 FAA Engineering Brief No. 67  
 ICAO (Annex 14 - Fourth Edition, July 2004)  
 ICAO Aerodromes Design Manual, Chapter 18  
 Interlek ETL

Meets US Fish & Wildlife Services recommendation for proposed rule meeting the FCC standards (WT Docket No 03-187, FCC 06-164) regarding the protection of migratory birds

## Application

The all LED Medium Intensity Lighting System is designed for the lighting of chimneys, silos, flarestacks and other obstructions to aerial navigation as specified by the FAA and FCC. The L864/ L865 uses LED technology for light output for the Red/White LED Strobe. Unlike conventional Xenon flashtube technology, little or no maintenance is required during its lifetime. Working voltages of less than 200 VDC are significantly less than those of Xenon flashtube designs. Therefore, this system represents an advance in safety. The system operates from a universal 100/230 VAC 50/60 Hz supply, and controller which can be located up to 550 ft away from the Flash Head.

## Specifications

<b>Operating Voltage:</b>	Universal 100/230 VAC, 50/60 Hz power factor corrected supply	
<b>Wattage:</b>	White Day	90W
	Red Night	20W
<b>Candela:</b>	White Day	20,000 cd
	Red Night	2,000 cd
<b>Power Factor:</b>	> .9	
<b>Operating Temperature:</b>	-40° F to +131° F (-40° C to +55° C)	
<b>Flash Head Weight:</b>	26 lbs.	
<b>Synchronization:</b>	Multiple unit sync from single controller	
<b>Warranty:</b>	5 years	

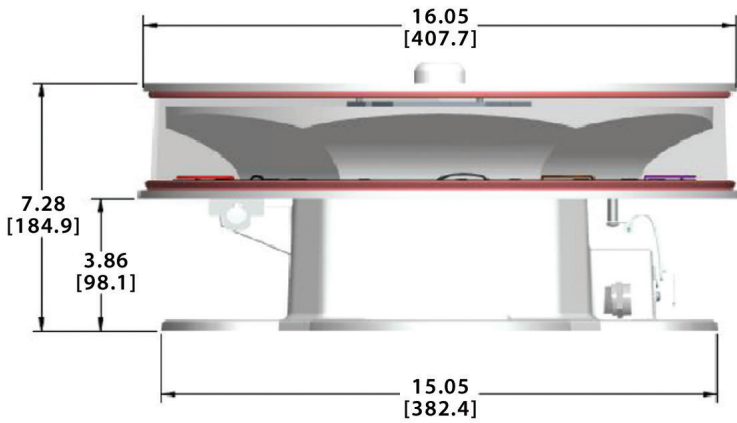
## System Part Numbers

Part Number for D1 System:	Description
DLS(X*)-008-GPS	Dual Red/ White Lighting System - Controller with GPS

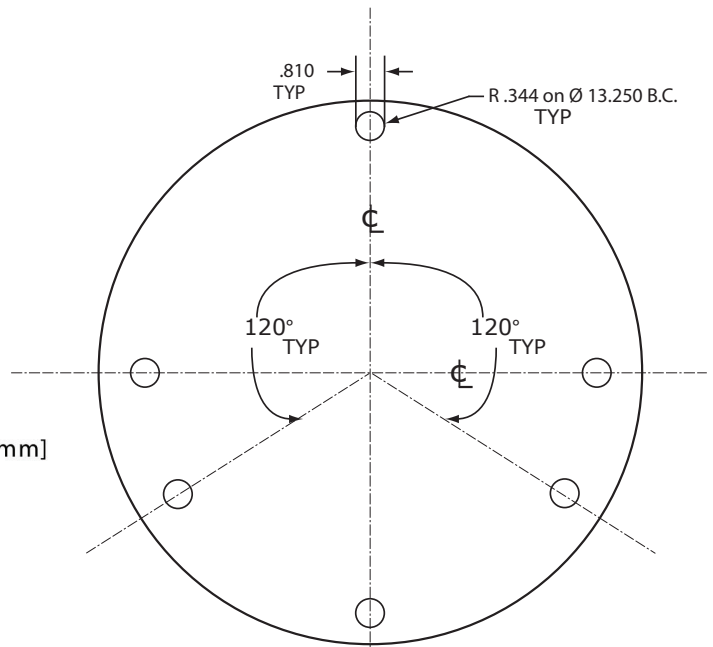
\*Note: X=1 120VAC or X=2 230VAC

**Mechanical Dimensions**

**Light Engine Dimensions**



Dimensions in inches [mm]



**Base - Bottom View**

Six (6) mounting holes are provided on the Light Engine base. These mounting holes will align with most tower pedestals.

