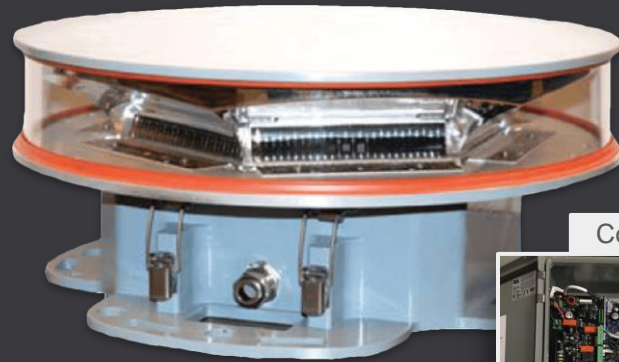


DLS L-864 / L-865

Integrated Infrared Medium Intensity Dual LED Smart System

Certified or Complies to: FAA AC 150/5345-43J | Engineering Brief No. 67
 Transport Canada CAR 621 | Qualified by Interlek ETL | ICAO (Annex 14 - Fourth Edition, July 2004) | ICAO Aerodromes Design Manual, Chapter 18 | IP66 / NEMA 4X



Control Box



Application

The LED IR Medium Intensity Smart System is designed for lighting cell towers, chimneys, silos, flare stacks and other obstructions to aerial navigation as specified by the FAA and FCC. The Dual L864/ L865 uses integrated IR & LED technology for light output for both Day and Night Mode. Unlike older lighting technologies, little or no maintenance is required during its lifetime. The system operates at 120VAC and the controller can be located up to 850 ft away from the Flash Head.

Advanced Monitoring provides SNMP traps upon alarm and integrates detailed diagnostic information and remote control for troubleshooting. The unit has a built in ethernet port to connect to customer's plant network. SLA Batteries also included to support monitoring communications only during a power loss. An optional cellular Gateway can be supplied to enable cellular connection to customer's own network or customer can optionally purchase Unimar's Monitoring Services.

Specifications

Operating Voltage	120 VAC, 50/60 Hz power factor corrected supply
Wattage	White Day 98W (90 Watt with modem) White Night 63W (75 Watt with modem)
Candela	Red Night 53W (65 Watt with modem)
Power Factor	White Day 20,000 cd White Night 2,000 cd
Operating Temperature	Red Night 2,000 cd
Flash Head Weight	> .9
Synchronization	-40° F to +131° F (-40° C to +55° C)
Warranty	26 lbs. Multiple unit sync from single controller 5 years

Key Features

- 5 year warranty; 10+ year life expectancy
- Tested and passed surge tests up to 1.9 Million Volts
- Strategically placed control components to simplify troubleshooting
- No moving or serviceable parts in Flash Head, all replacement components located at ground level
- Resistant to shock and vibration
- Optional GPS Sync device for unique obstructions
- Avian Compliant (switch selectable)
- Integrated User Interface to simplify Diagnostics and troubleshooting (see next page)

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

System Part Number

Part # for E1 System	Description
U429C-SYS	E1 Dual Lighting System - Controller/Monitor

Integrated User Interface

Unimar, Inc.
Monitoring System Site Dashboard

Home
Setup
List
Upload
AST
Logout

Site Info:

Site: Unimar, Syracuse
System Type: Avian E1

Alarm Relay Status

- Power Fail
- Red Beacon
- White Beacon
- Side Lights
- Photocell

System Override:

Auto

Manual

DO NOT use your Browser's Refresh. Doing so will repeat last Override. Use Menu Buttons Instead.

Clear All Faults/Traps

Operating Mode:

System Status: ●
Mode: Day, Automatic

Currently Active Alarms: None

Diagnostic Data:

- Battery Volts: 13.47, Charged
- Side Lights Row 1: Good, Current: 0mA
- Dialight Comms
- Micro-Filter Board
- Dimming Mode: 100%
- ----- White Driver 1 -----
Bad LED Strings: 0
Voltage: 253
- ----- White Driver 2 -----
Bad LED Strings: 0
Voltage: 255
- ----- Red Driver -----
Red Driver Current: Normal
Voltage: 148
Current: 227
Driver control: 26
- ----- Flash Head -----
- ----- Flash Head Cable -----

RTU Data:

Version: 3.38
Time and Date: 10:38:39 08/13/2018

----- Inputs -----

Power Fail Alarm: OK
Photocell input: DAY
AuxPB input: Not Pressed
Manual Toggle (if equipped): AUTO
Day/Night/Auto PB Input: Not Pressed

----- Setup Switch Settings -----

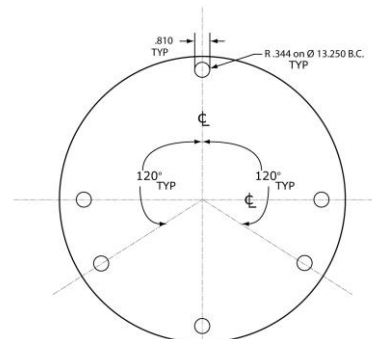
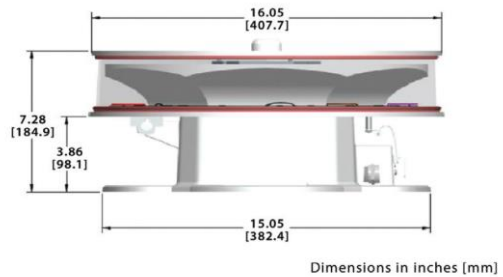
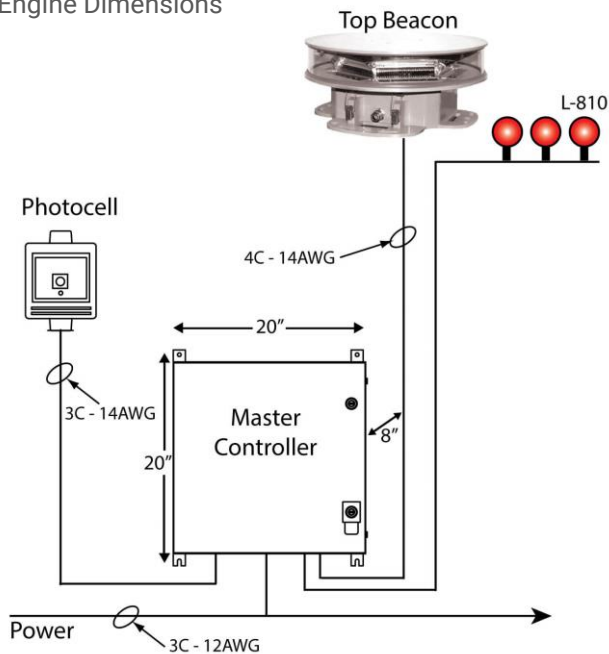
Ctype0: OFF
Ctype1: ON
Ctype2: OFF
PCAEEnable: Enabled
QLIEnable: Enabled
SNMPEnable: Enabled
CalSideLights: Disabled
AvianEnable: Enabled

----- Outputs -----

PEC Override Enable Relay: OFF
PEC Override Relay: OFF
ForceSidelight Fail Relay: ON
SideLightsRow1: OFF
SideLightsRow2: OFF

Mechanical Dimensions

Light Engine Dimensions



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