

# WL

## UNI-HAZ™ LED Medium Intensity White Beacon L-865 Class I, Div. 2, Groups B,C,D, T5

Complies To: FAA AC 150/5345-43H | FAA Engineering Brief No. 67  
Class I Div.2 Groups B, C, D | ICAO (Annex 14 - Fourth Edition, July  
2004) | ICAO Aerodromes Design Manual, Chapter 18



### Application

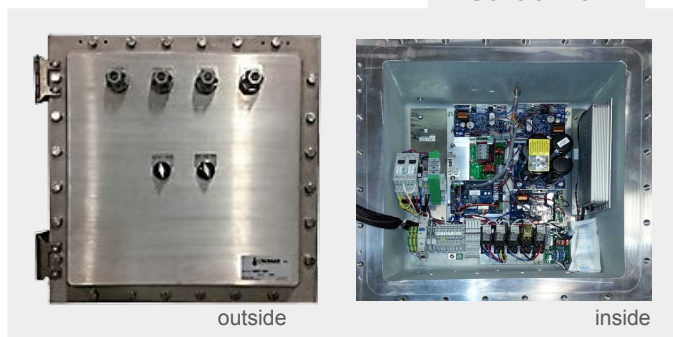
The UNI-HAZ™ all LED medium intensity White Strobe Beacon for hazardous locations is designed for the lighting of chimneys, silos, flarestacks and other obstructions to aerial navigation as specified by the FAA and FCC. The UNI-HAZ™ L-865 uses LED technology for light output for the white Strobe.

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 UNI-HAZ™ L865 LED Beacon operates from a number of different voltages. The power supply/control box can be located up to 680 ft away from the light engine, such as at the base of the tower.

### Smart System (available as an option)

The Controller integrates Unimar's Self Monitoring technology along with an intuitive user interface to remotely display status and for remote diagnostics and troubleshooting. Status changes and alarms can be sent via SNMP messaging Informs over the built in Ethernet port. A cellular modem is optional and can also be purchased with Unimar's 24/7/365 monitoring service with full NOTAM management.

Control Box



outside

inside

### Key Features

- 20,000cd nominal daytime white; 2,000cd nighttime white
- Designed to replace Xenon Strobe Units: FAA type L865; ICAO Medium Intensity Type A
- Resistant to shock and vibration
- Universal 100/230 VAC input; 50/60 Hz
- Integrated Ethernet Port\*\*
- Integrated User Interface to display status, override system and advanced diagnostics\*\*
- Alarming and status sent via standard SNMP v2c Informs\*\*
- Optional cellular gateway and Monitoring service with NOTAM management \*\*
- Main directly controls 1 Beacon and 2 rows sidelights and up to 7 additional secondary controllers/beacons
- Meets or exceeds industry EMI/RFI standards
- Flashhead: IP66 / NEMA 4X, Class I, Div.2
- Controller: IP66 / NEMA 7 / 4X

**\*\* Smart System Option only**

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 Matrix: WL-AB-49-CDE-FG

Choose the codes in **red**, following the descriptions shown below

**A** - Operating voltage

1= 120vac

2= 240vac

3= 48vdc

**B** - Controller type

M= main

S= secondary

**C** - External indicator lights for power and alarms

Y= yes

N= no

**D** - External System Override / Switches-auto/manual, Day/

Y= yes (Main Controller Only)

N= no (no external switches, always no for secondary controllers)

**E** - Controller type

A= see data sheet- unimar smart system with gateway

B=see data sheet- unimar smart system

C=classic system dry contacts only for alarming

**F** - Enclosure type

A= n/a

B= n/a

C= n/a

D= nema 7/4x class1 div.2 group b,c,d cast aluminum

E= nema 7/4x class1 div.2 group b,c,d cast aluminum epoxy painted for additional corrosion resistance.

F= class1 div.2 group b,c,d z purged system with 316 stainless steel enclosure

**G** - class1 div.2 group b,c,d beacon

Y = yes

N = no

***Please contact us with any questions or selection assistance***



### Ordering Information - Dual

Choose the codes in **red**, following the descriptions shown below

## WL - **A B** - 49- **C D E** - **F G**

Input the value of the corresponding option of your choice: **A** □ 1, 2, or 3

**A** - Operating voltage

- 1 = 120v AC
- 2 = 240v AC
- 3 = 48v DC

**B** - Controller type

- M = main
- S = secondary

**C** - External indicator lights for power and alarms

- Y = yes
- N = no

**D** - External System Override /

Switches-auto/manual, Day/

- Y = yes (Main Controller Only)
- N = no (no external switches, always no for secondary controllers)

**E** - Controller type

- A = see data sheet- unimar smart system with gateway
- B = see data sheet- unimar smart system
- C = classic system dry contacts only for alarming

**F** - Enclosure type

- A = n/a
- B = n/a
- C = n/a
- D = nema 7/4x class1 div.2 group b,c,d cast aluminum
- E = nema 7/4x class1 div.2 group b,c,d cast aluminum epoxy painted for additional corrosion resistance.
- F = class1 div.2 group b,c,d z purged system with 316 stainless steel enclosure

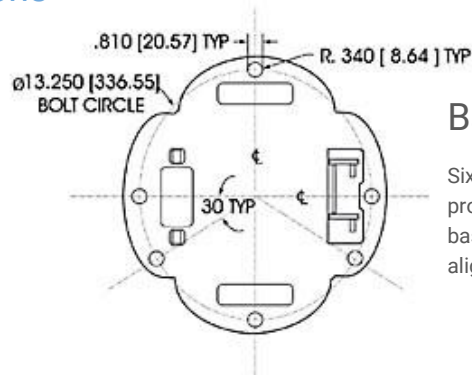
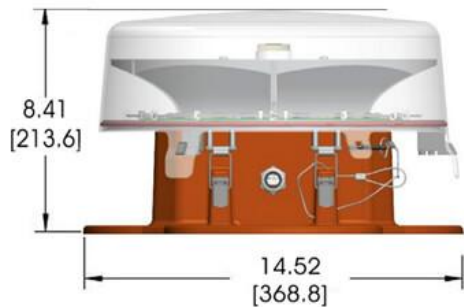
**G** - Class1 div.2 group b,c,d beacon

- Y = yes
- N = no

### Specifications

<b>Operating Voltage:</b>	120VAC, 240VAC, -48VDC 50/60 Hz power factor corrected supply
<b>Wattage:</b>	White Day 90W White Night 35W
<b>Candela:</b>	White Day 20,000 cd White Night 2,000 cd
<b>Power Factor:</b>	> .9
<b>Operating Temp:</b>	-40° F to +131° F (-40° C to +55° C)
<b>Temperature Code:</b>	T5*
<b>Synchronization:</b>	Multiple unit sync from single controller (see Unimar Synchronized Flasher Control-SFC)
<b>Warranty:</b>	5 years

### Light Engine - Mechanical Dimensions



**Base (Bottom View)**

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

### System Diagram

