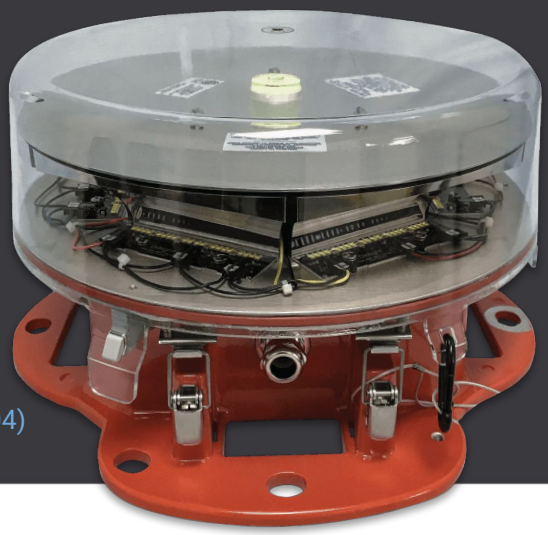
UNIMAR
Brighter lighting solutions

DL

UNI-HAZ™ LED Dual Medium Intensity Red/White Beacon L-864/L-865 Class I, Div. 2, Groups B, C, D T5 IP66 for hazardous locations

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 and Red Beacon for hazardous locations is designed for the lighting of chimneys, silos, flare stacks and other obstructions to aerial navigation as specified by the FAA and FCC. The UNI-HAZ™ Dual L864/L865 uses LED technology for light output for both the Red Beacon and the White Strobe. The UNI-HAZ™ Dual L864/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.

Control Box

outside

inside

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.

Key Features

- 20,000cd nominal daytime white; 2,000cd nighttime red
- FAA type L865/L864; ICAO Medium Intensity Type A/B
- 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/ 4 /4X

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

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Dual Beacon L-864/L-865 Class I, Div. 2

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System Part Number Matrix: DL-AB-49-CDE-FG-H-IJK

*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 - total number of L-810 sidelights, RTO series only
- Enter number 0, 1, 2, 3, 4, 5, 6, 7, or 8

D - type of L-810 sidelights
- A= double with primary backup function. failure of one light causes the other light to turn on with primary light alternating every photo cell transition.
- D= double both lights on simultaneously
- N= none
- P= double with primary backup function. failure of primary light will turn on backup light.
- S= single

E - L-810 operation mode
- F= flashing
- N= none
- S= steady burn

F - external indicator lights for power and alarms
- Y= yes
- N= no

G - external system override switches-auto/manual, day/night
- Y= yes (main controller only)
- N= no (no external switches, always no for secondary controllers)

H - 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

I - 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

J - n/a (enter x in part number)

K - Class 1 div.2 group B, C, D light
- Y = yes
- N = no

Please contact us with any questions or selection assistance

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Dual Beacon L-864/L-865 Class I, Div. 2

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Ordering Information - Dual

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

D L - A B - 4 9 - C D E - F G - H - I J K

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 - total number of L-810 sidelights, (RTO series only)
- Enter number 0 - 8

D - type of L-810 sidelights
- A= double with primary backup function. failure of one light causes the other light to turn on with primary light alternating every photo cell transition.
- D= double both lights on simultaneously
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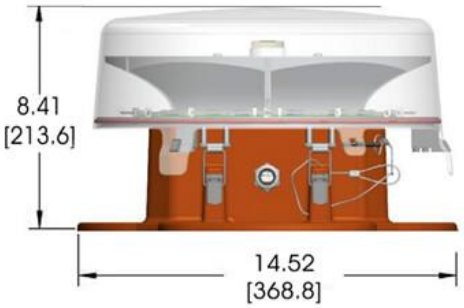
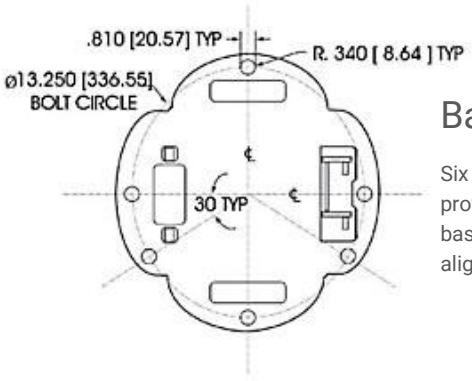
Specifications

Operating Voltage:	120VAC, 240VAC, -48VDC 50/60 Hz power factor
Wattage:	White Day 90W White Night 35W Red Night 25W
Candela:	White Day 20,000 cd White Night 2,000 cd Red Night 2,000 cd
Power Factor:	> .9
Operating Temp:	-40° F to +131° F (-40° C to +55° C)
Temperature Code:	T5*
Synchronization:	Multiple unit sync from single controller (see Unimar Synchronized Flasher Control-SFC)
Warranty:	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