

HUGHEY & PHILLIPS

HORIZON™ Series Dual Mode, Medium Intensity LED w/ IR System

FAA Type: L-864/865 Medium Intensity Lighting

ICAO Type: Type A/B/C Medium Intensity Obstacle Light

ETL Certified:

FAA Advisory Circular 150/5345-43J (Pending)

Compliant to:

ICAO Annex 14 MIL-C-7989 DGAC of Mexico CAR 621.19 IECS-0005

Patents:

No.8,525,425 No.9,010,969 No.9,297,514



The HORIZON LED Medium Intensity Dual (Red/White) Lighting System combines a daytime White LED light and a nighttime Red LED light with intergrated IR LEDs into a single flashhead. The self-contained power supply, with available GPS sync and day/night sensor, simplifies wiring but also accepts external signals if desired. Advanced features include replaceable LED modules, cutting edge optics, individual LED monitoring/bypass, and active lightning protection (patent pending). The unit also monitors the system and provides a NO or NC alarm contact upon any system failure.

Use:

Medium intensity obstruction lighting systems are typically used on structures between 150' (45M) and 700' (213M) above ground level to provide aviation safety. The use of a medium intensity white strobe during the daytime typically eliminates the need to paint the structure with aviation orange and white stripes. The use of a red flashing beacon at night provides a "community friendly" light. Hughey & Phillips medium intensity obstruction lights are designed for lighting tall structures such as communication, television and radio towers, chimneys, cooling towers, tall buildings, catenary river crossings and bridges.

Part Numbers:

50-2005-001	HZN L-864/865 IR AC 30/40FPM
50-2005-001-A	HZN L-864/865 IR AC 30/40FPM GPS
50-2005-001-B	HZN L-864-865 IR AC 30/40FPM GPS PCELL
50-2005-010	HZN L-864/865 IR DC 30/40FPM
50-2005-010-A	HZN L-864/865 IR DC 30/40FPM GPS
50-2005-010-B	HZN L-864/865 IR DC 30/40FPM GPS PCELL
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50-2005-001-S	HZN L-864/865 IR AC ICAO TYPE C STEADY RED ON
50-2005-001-SA	HZN L-864/865 IR AC ICAO TYPE C STEADY RED ON GPS
50-2005-001-SB	HZN L-864/865 IR AC ICAO TYPE C STEADY RED ON GPS PCELL

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HUGHEY & PHILLIPS

FEATURES	BENEFITS
Original Equipment Manufacturer	 Designed, engineered and manufactured by Hughey & Phillips One source for fixtures and complete lighting systems
Single Flashhead Construction	Compact designPatent No. 9,010,969
Integrated Day/Night Sensor	Built-in Photocell module (optional)
GPS Sychronization	Built-in GPS SYNC module (optional)
Failsafe Redundancy	 Automatic bypass of failed LEDs for continued operation Patent No.8,525,425
Wiring Compatibility	 Existing tower wiring can be used for retrofit applications Environmentally sealed connectors Fewest number of control wiring
Interchangeable LED Modules	 Single screw access Built-in safety switch Fully Field Servicable unit Integrated Infrared LED
Cutting Edge Optics Design	 H&P exclusively designed 'Ekclipse' optics package Community friendly lighting system Patent No. 9,297,514
Lightest Flashhead	17 poundsEase of handling and maintenance
AC Universal Input	Operation Voltage of 100 to 265 VAC, 50/60Hz
DC Universal Input	Operation Voltage of +48 VDC

Specifications:

Unit Weight: 17 pounds (7.7kg)

Supply Voltage (AC): 100 to 265 VAC 50/60Hz Universal Input

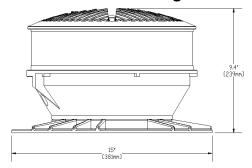
Average Power (AC): White: 57 Watts @ 100 VAC, 126 Watts @ 265 VAC

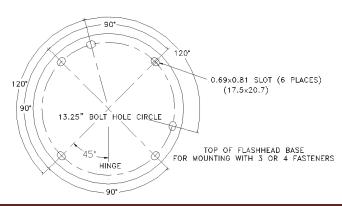
Red: 35 Watts @ 100 VAC, 50 Watts @ 265 VAC

Supply Voltage (DC): +48 VDC

Average Power (DC): 50 Watts Day, 25 Watts Night
Operating Temperature: -40°C to +55°C (-40°F to +131°F)

Dimensions & Mounting:





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