



HUGHEY & PHILLIPS

HORIZON™ 2009 Series Red Medium Intensity LED w/ IR System

FAA Type: L-864 Medium Intensity Lighting
ICAO Type: Type B/C Medium Intensity Obstacle Light
PANAMANIAN Type: Type B Medium Intensity Obstacle Light

ETL Certified:

FAA Advisory Circular 150/5345-43J

Compliant to:

ICAO Annex 14
MIL-C-7989
DGAC of Mexico
CAR 621.19
RACP of Panama

Patents:

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



The HORIZON™ Red LED Medium Intensity Lighting System is a night-time red LED light with Intergrated IR LED's. 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 red obstruction lighting systems are typically used on structures between 150' (45M) and 2200' (670M) above ground level to provide aviation safety. The use of a medium intensity red LED during the night-time typically requires the need to paint the structure with aviation orange and white stripes for daytime marking. The use of a red flashing LED 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:

50-2002-001	HZN L-864 IR AC 30FPM
50-2002-001-A	HZN L-864 IR AC 30FPM GPS
50-2002-001-B	HZN L-864 IR AC 30FPM GPS PCELL
50-2002-010	HZN L-864 IR DC 30FPM
50-2002-010-A	HZN L-864 IR DC 30FPM GPS
50-2002-010-B	HZN L-864 IR DC 30FPM GPS PCELL
50-2002-001-S	HZN L-864 IR AC ICAO TYPE C STEADY RED ON
50-2002-001-SA	HZN L-864 IR AC ICAO TYPE C STEADY RED ON GPS
50-2002-001-SB	HZN L-864 IR AC ICAO TYPE C STEADY RED ON GPS PCELL

FEATURES	BENEFITS
Original Equipment Manufacturer	<ul style="list-style-type: none"> Designed, engineered and manufactured by Hughey & Phillips One source for fixtures and complete lighting systems
Single Flashhead Construction	<ul style="list-style-type: none"> Compact design Patent No. 9,010,969
Integrated Day/Night Sensor	<ul style="list-style-type: none"> Built-in Photocell module (<i>optional</i>)
GPS Synchronization	<ul style="list-style-type: none"> Built-in GPS SYNC module (<i>optional</i>)
Failsafe Redundancy	<ul style="list-style-type: none"> Automatic bypass of failed LEDs for continued operation Patent No. 8,525,425
Wiring Compatibility	<ul style="list-style-type: none"> Existing tower wiring can be used for retrofit applications Environmentally sealed connectors Fewest number of control wiring
Interchangeable LED Modules	<ul style="list-style-type: none"> Single screw access Built-in safety switch Fully field servicable unit Integrated Infrared LED
Cutting Edge Optics Design	<ul style="list-style-type: none"> H&P exclusively designed 'Ekclipse' optics package Community Friendly lighting system Patent No. 9,297,514
Lightest Flashhead	<ul style="list-style-type: none"> 17 pounds Ease of handling and maintenance
AC Universal Input	<ul style="list-style-type: none"> Operation voltage of 100 to 265 VAC, 50/60Hz
DC Universal Input	<ul style="list-style-type: none"> Operation Voltage of +48 VDC

Specifications:

Unit Weight: 17 pounds (7.7kg)
 Supply Voltage (AC): 100 to 265 VAC 50/60 Hz Universal Input
 Average Power (AC): 30 Watts @ 100 VAC, 50 Watts @ 265 VAC
 Supply Voltage (DC): +48 VDC
 Average Power (AC): 25 Watts
 Operating Temperature: -40°C to +55°C (-40°F to +131°F)

Dimensions & Mounting:

