



# HUGHEY & PHILLIPS

## HORIZON™ 2000 Series White Medium Intensity LED System

FAA Type: L-865 Medium Intensity Lighting  
ICAO Type: Type A 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

### Patents:

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



The HORIZON White LED Medium Intensity Lighting System combines daytime and nighttime White LED light 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. 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:

<b>50-2003-001</b>	<b>HZN L-865 AC 40FPM</b>
<b>50-2003-001-A</b>	<b>HZN L-865 AC 40FPM GPS</b>
<b>50-2003-001-B</b>	<b>HZN L-865 AC 40FPM GPS PCELL</b>
<b>50-2003-010</b>	<b>HZN L-865 DC 40FPM</b>
<b>50-2003-010-A</b>	<b>HZN L-865 DC 40FPM GPS</b>
<b>50-2003-010-B</b>	<b>HZN L-865 DC 40FPM GPS PCELL</b>



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

## Specifications:

Unit Weight: 17 pounds (7.7kg)  
 Supply Voltage (AC): 100 to 265 VAC 50/60Hz Universal Input  
 Average Power (AC): Day: 57 Watts @ 100 VAC, 126 Watts @ 265 VAC  
                                   **Night: 35 Watts**  
 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:

