HORIZON™ 3000CAT

Dual (Red/White) Medium Intensity LED System

FAA Type: L-866/885 Medium Intensity Lighting

ETL Certified:
FAA Advisory Circular 150/5345-43G

Compliant to:
ICAO Annex 14
MIL-C-7989
DGAC of Mexico
CAR 621.19

The HORIZON LED Medium Intensity Dual (Red/White) Lighting System combines a daytime white LED light and a night-time red LED light into a single flashhead. Its 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:

The HORIZON Catenary LED obstruction lighting system is used on Transmission Towers and Poles to provide an early warning to pilots of the catenary span between two structures. The flash rate of 60 FPM along with the three (3) tier MIDDLE-TOP-BOTTOM flash sequence, provides visual indication to pilots of the approaching transmission wires. The GPS module within the TOP light provides the synchronization between multiple catenary structures. An external photocell is used to provide transition between DAY-NIGHT. The EKLIPSE optics provides a community friendly light. Special consideration is taken for structures used to support High Voltage Transmissions, >250kV, with our shielded lighting system.

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<th>Part Number</th>
<th>Description</th>
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<td>50-0012-001</td>
<td>L-866/885 LED, MI, HORIZON, 100-265VAC, 60FPM, Middle Light</td>
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<td>50-0012-007</td>
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**FEATURES** | **BENEFITS**
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Original Equipment Manufacturer | • Designed, engineered and manufactured by Hughey & Phillips
• One source for fixtures and complete lighting systems
Single Flashhead Construction | • Compact design
High Voltage Power Lines | • Specially designed units for High Voltage Power Lines
GPS Synchronization | • Built-in GPS SYNC module *(optional)*
Wiring Compatibility | • Simple five (5) wire installation
• Environmentally sealed connectors
• Fewest number of control wiring
Interchangeable LED Modules | • Single screw access
• Built-in safety switch
• Fully field servicable unit
Cutting Edge Optics Design | • H&P exclusively designed *Ekclipse* optics package
• Community Friendly lighting system
Lightest Flashhead | • 17 pounds
• Ease of handling and maintenance
Universal Input | • Operation voltage of 100-265 VAC, 50/60Hz

**Specifications:**
- Unit Weight: 17 pounds (7.7kg)
- Supply Voltage: 100-265VAC 50/60Hz Universal Input
- Average Power: 78 Watts Day, 27 Watts Night
- Operating Temperature: -40°C to +55°C (-40°F to +131°F)