### Contents:
- 1 PC LED Driver
- 1 PC Lanyard
- 1 PC LED Retrofit lamp
- 1 PC Re-lamping label
- 1 PC Installation instructions

### INSTALLATION REQUIREMENTS

<table>
<thead>
<tr>
<th>Input Voltage</th>
<th>120-277VAC (USA)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency</td>
<td>50/60Hz</td>
</tr>
<tr>
<td>Lamp Holder</td>
<td>EX39</td>
</tr>
</tbody>
</table>

### Approved Fixtures and Locations
- Outdoor Luminaires
- Indoor Luminaires

### Minimum Fixture Size
- A minimum of 2” spacing between lamp and fixture housing is required to meet heat rating of LED lamp

### Approved Lamp Orientations
- Base Up

### Moisture Rating
- UL approved for wet environments

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**IMPORTANT SAFETY INSTRUCTIONS FOR LED RETROFIT CONVERSION:**

FOR USE ONLY WITH HID LUMIN AIRES IN ACCORDANCE WITH THE INSTRUCTIONS PROVIDED WITH THIS RETROFIT KIT.

⚠️ **WARNING - RISK OF FIRE OR ELECTRICAL SHOCK.** LED retrofit kit installation requires knowledge of the existing luminaire’s electrical design.

⚠️ **WARNING - RISK OF FIRE OR ELECTRICAL SHOCK.** Install this kit only in luminaires that have the features and dimensions shown in the requirements box.

⚠️ **WARNING - Do not make or alter any open holes in an enclosure of wiring or electrical components during kit installation.**

⚠️ **WARNING - To prevent wiring damage or abrasion, do not expose wiring to sharp edges of housing or other sharp surface.**

⚠️ **WARNING - Suitable for wet LOCATIONS. Not for use with magnetic ballast.**

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**THIS DEVICE IS NOT INTENDED FOR USE WITH EMERGENCY EXITS.**
Installation:
1.) Turn off light at switch and circuit breaker.
2.) Allow system to cool.
3.) Remove old lamp.
4.) Remove or bypass ballast and install LED driver
5.) Connect the 2 common wires to the brown and blue wires on the driver.
   N – Neutral wire from power source connects to CAN Blue wire on Driver
   L – Load wire from power source connects to ACL Brown Wire on Driver
6.) Connect V+ (Red) wire from driver and V- (Black) wire to socket as shown below.
7.) Ensure that lamp holder is in good condition and can support the lamp.
8.) Screw lamp into socket.
9.) Install lanyard so that it can support the lamp in case of socket failure.
10.) Apply silver retrofit label to the inside of fixture near the ballast compartment.
11.) If dimming will be utilized, please see diagrams below.
LED-8034M Installation Instructions

SKU          Description
LED-8034M50    150W High Bay LED, 120-277V, 5000K

※ Built-in 3 in 1 dimming function, output constant current level can be adjusted through output cable by 1~10Vdc, 10V PWM signal or resistance between DIM+ and DIM-.
※ Please DO NOT connect “DIM+” to “-V”.
※ Reference resistance value for output current adjustment (Typical)

<table>
<thead>
<tr>
<th>Resistance value</th>
<th>Single driver</th>
<th>Multiple driver (in the output current dimming circuit)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>10KΩ</td>
<td>20KΩ</td>
</tr>
<tr>
<td>10KΩN</td>
<td>20KΩN</td>
<td>30KΩN</td>
</tr>
</tbody>
</table>

Percentage of rated current
10% 20% 30% 40% 50% 60% 70% 80% 90% 100% 95~108%

※ 1~10V dimming function for output current adjustment (Typical)

<table>
<thead>
<tr>
<th>Dimming value</th>
<th>1V</th>
<th>2V</th>
<th>3V</th>
<th>4V</th>
<th>5V</th>
<th>6V</th>
<th>7V</th>
<th>8V</th>
<th>9V</th>
<th>10V</th>
<th>OPEN</th>
</tr>
</thead>
<tbody>
<tr>
<td>Output current</td>
<td>10%</td>
<td>20%</td>
<td>30%</td>
<td>40%</td>
<td>50%</td>
<td>60%</td>
<td>70%</td>
<td>80%</td>
<td>90%</td>
<td>100%</td>
<td>95~108%</td>
</tr>
</tbody>
</table>

※ 10V PWM signal for output current adjustment (Typical): Frequency range: 100Hz ~ 3KHz

<table>
<thead>
<tr>
<th>Duty value</th>
<th>10%</th>
<th>20%</th>
<th>30%</th>
<th>40%</th>
<th>50%</th>
<th>60%</th>
<th>70%</th>
<th>80%</th>
<th>90%</th>
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<td>20%</td>
<td>30%</td>
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<td>50%</td>
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<td>80%</td>
<td>90%</td>
<td>100%</td>
<td>95~108%</td>
</tr>
</tbody>
</table>

※ Using the built-in dimming function on HLG-150H can’t turn the lighting fixture totally dark. Please refer to the connection method below to achieve 0% brightness of the lighting fixture connecting to the LED power supply unit.

Dimming connection diagram for turning the lighting fixture ON/OFF:

1. Output constant current level can be adjusted through output cable by connecting a resistor or 1~10Vdc or 10V PWM signal between DIM+ and DIM-.
2. The LED lighting fixture can be turned ON/OFF by the switch.