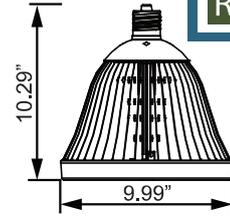




<u>SKU</u>	<u>Description</u>
LED-8034M50	150W High Bay LED, 120-277V, 5000K
LED-8034M50-HV	150W High Bay LED, 240-480V, 5000K



Contents:

- 1 PC **LED Driver**
- 1 PC **Lanyard**
- 1 PC **LED Retrofit lamp**
- 1 PC **Re-lamping label**
- 1 PC **Installation instructions**

Read this before you start installation:

1. To avoid possible electric shock, power supply must be turned off at fuse box or circuit breaker before installing or servicing.
2. Check your local electrical code. This code sets wiring standards for your area and should carefully studied before starting installation. High voltage wiring connecting the fixture must have a temperature rated minimum of 194°F.
3. Inspect existing fixture:
 - Sure fixture meets minimum size requirements listed at right.
 - Ballast must be removed or bypassed and supplied included LED driver installed between line and lamp holder.

<u>INSTALLATION REQUIREMENTS</u>	
Input Voltage	120-277VAC (USA) 240-480VAC ("HV" Models)
Frequency	50/60Hz
Lamp Holder	EX39
Approved Fixtures and Locations	<u>Outdoor Luminaires</u> Open <u>Indoor Luminaires</u> Open
Minimum Fixture Size	A <u>minimum</u> 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

IMPORTANT SAFETY INSTRUCTIONS FOR LED RETROFIT CONVERSION:

FOR USE ONLY WITH HID LUMINAIRES 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.**

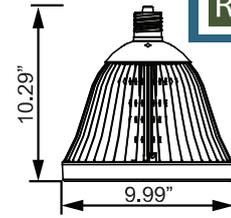
THIS DEVICE IS NOT INTENDED FOR USE WITH EMERGENCY EXITS.



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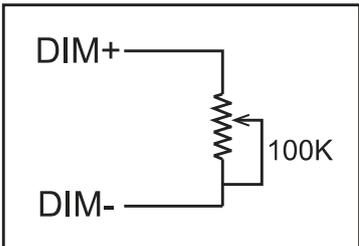
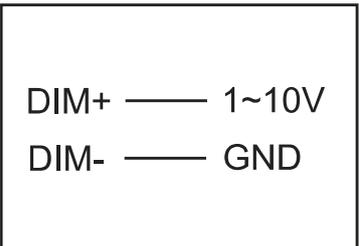
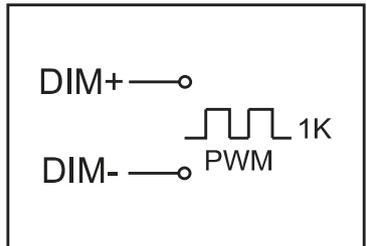
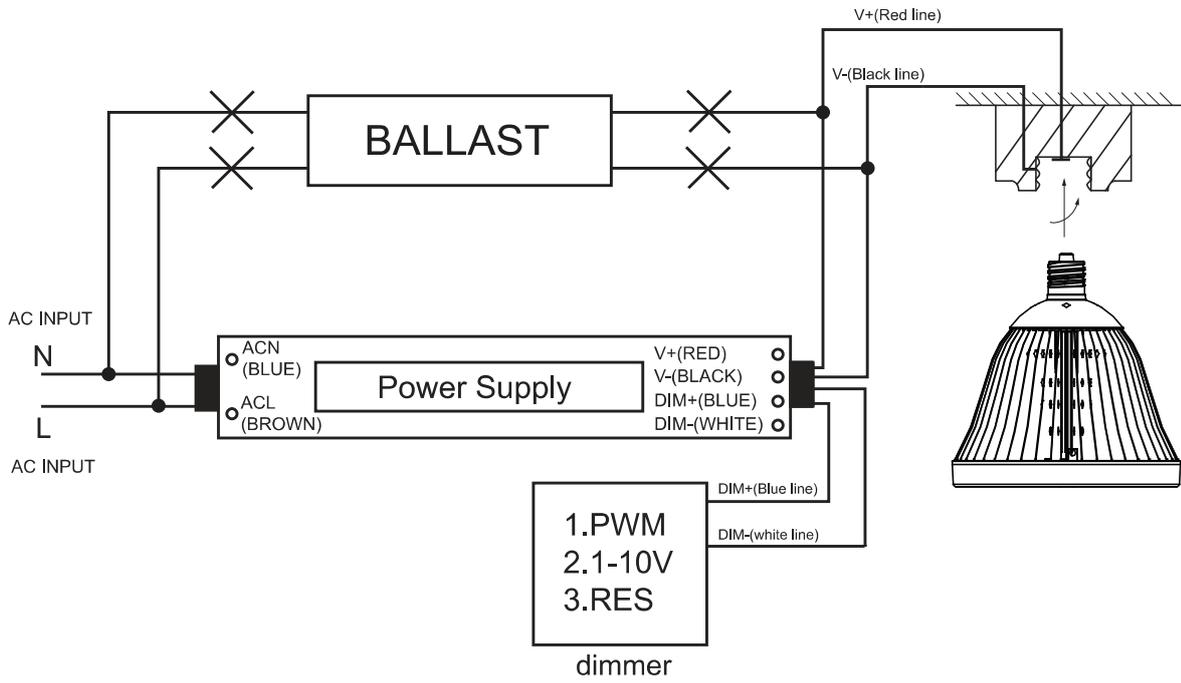


SKU	Description
LED-8034M50	150W High Bay LED, 120-277V, 5000K
LED-8034M50-HV	150W High Bay LED, 240-480V, 5000K

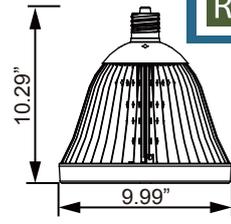


Installation:

- 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.



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)

Resistance value	Single driver	10KΩ	20KΩ	30KΩ	40KΩ	50KΩ	60KΩ	70KΩ	80KΩ	90KΩ	100KΩ	OPEN
	Multiple drivers (N=driver quantity for synchronized dimming operation)	10KΩ/N	20KΩ/N	30KΩ/N	40KΩ/N	50KΩ/N	60KΩ/N	70KΩ/N	80KΩ/N	90KΩ/N	100KΩ/N	-----
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)

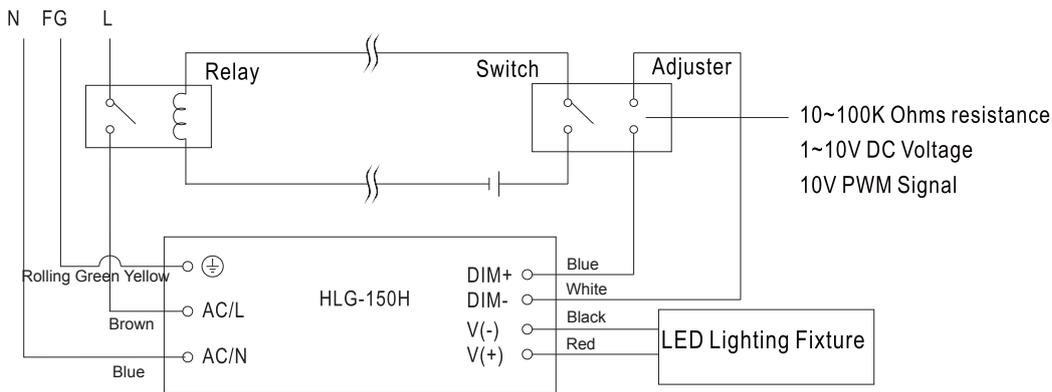
Dimming value	1V	2V	3V	4V	5V	6V	7V	8V	9V	10V	OPEN
Output current	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%	95%~108%

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

Duty value	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%	OPEN
Output current	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%	95%~108%

※ 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 :



Using a switch and relay can turn ON/OFF the lighting fixture.

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.