SKU	Description
LED-8050M50	**300W High Bay LED, 120-277V, 5000K**
LED-8050M50-HV	**300W High Bay LED, 277-480V, 5000K**

12.441"
12.244"

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.

INSTALLATION REQUIREMENTS

Input Voltage	120-277VAC (USA) 277-480VAC ("HV" Models)
Frequency	50/60Hz
Lamp Holder	EX39
Approved Fixtures and Locations	<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 damp environments
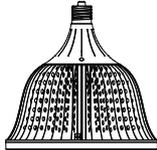
IMPORTANT SAFETY INSTRUCTIONS FOR LED RETROFIT CONVERSION:

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 damp LOCATIONS. **Not for use with ballast.**

THIS DEVICE IS NOT INTENDED FOR USE WITH EMERGENCY EXITS.

Light Efficient Design
a division of TADD, LLC

188 S. Northwest Highway • Cary, IL 60013
**(847) 380-3540 • FAX: (847) 380-3542**
www.led-llc.com

SKU	Description
LED-8050M50	300W High Bay LED, 120-277V, 5000K
LED-8050M50-HV	300W High Bay LED, 277-480V, 5000K

12.441"

12.244"
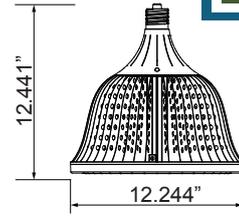
**Installation:**
1.) Turn off light at switch and circuit breaker.
2.) Allow system to cool.
3.) Remove old lamp.
4.) Remove or bypass ballast and install LED driver
5.) Connect the 2 common wires to the brown and blue wires on the driver.
  N – Neutral wire from power source connects to CAN Blue wire 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.

V+(Red line)

V-(Black line)

BALLAST

AC INPUT

N

ACN
(BLUE)

Power Supply

V+(RED)
V-(BLACK)
DIM+(BLUE)
DIM-(WHITE)

ACL
(BROWN)

L

AC INPUT

DIM+(Blue line)

1.PWM
2.1-10V
3.RES

DIM-(white line)

dimmer

DIM+ —o
        ⊓⊓⊓ 1K
DIM- —o PWM

DIM+ —— 1~10V
DIM- —— GND

DIM+
        100K
DIM-

| SKU	Description
LED-8050M50	300W High Bay LED, 120-277V, 5000K

12.441"

12.244"
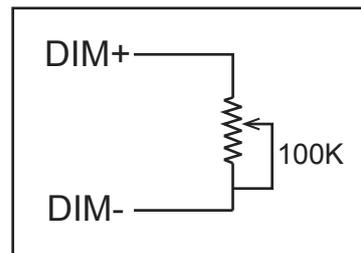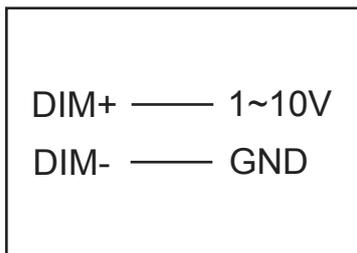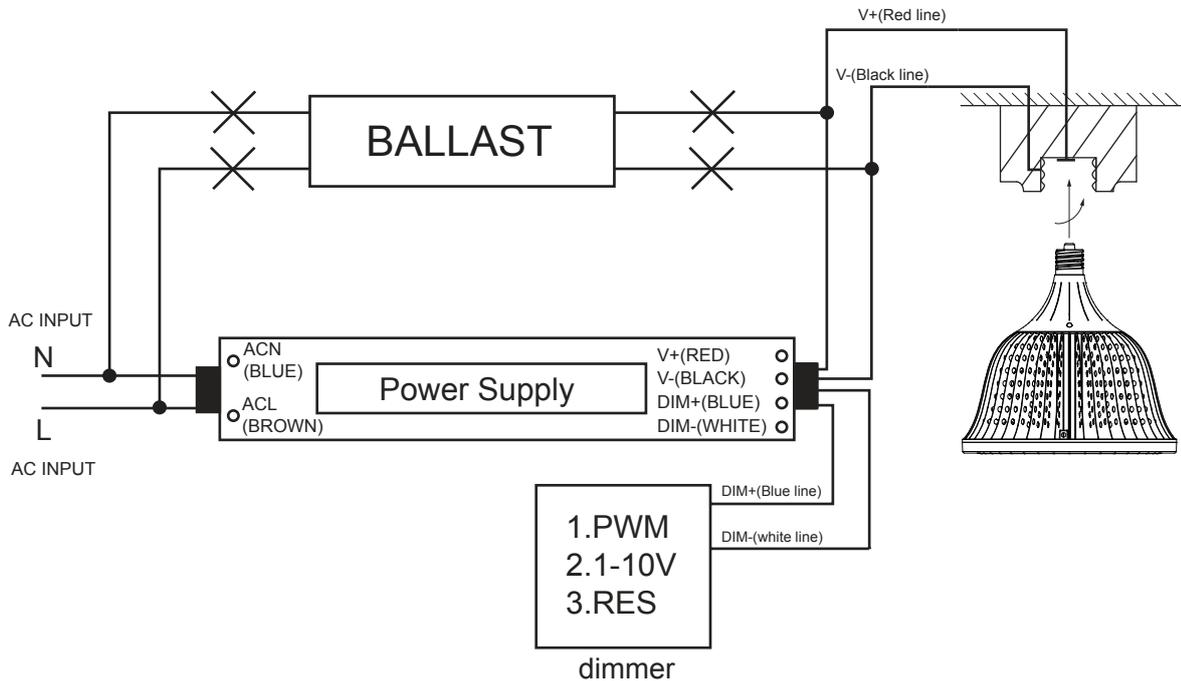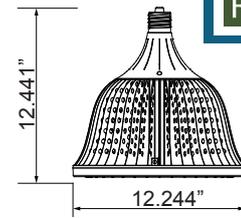
Dimming

● **0-10V Dimming**

Recommended implementations of the dimming control are provided below.

**Io/Iomax vs. Dimming Voltage**
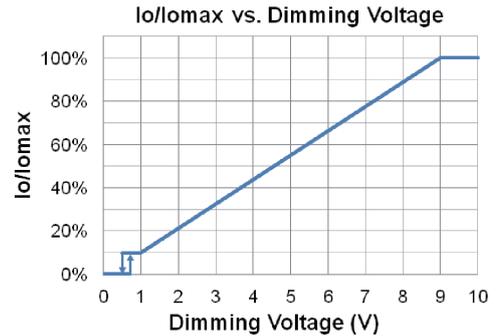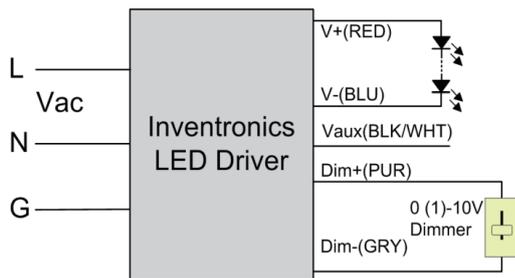
Implementation 1: DC Input

Io/Iomax vs. Rx
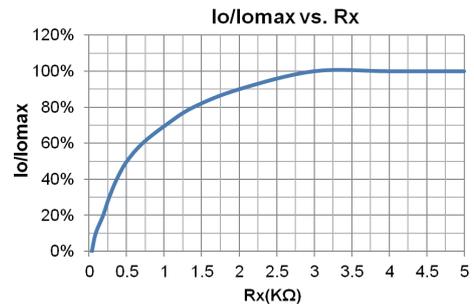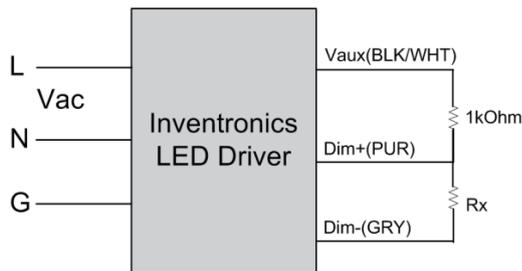
Implementation 2: External Resistor

Io/Iomax vs. Rx
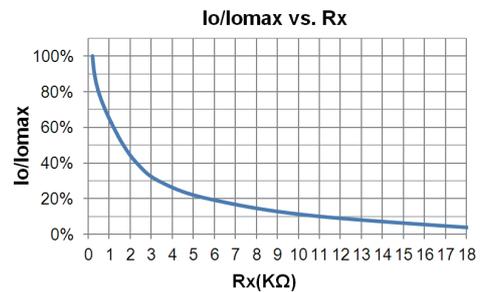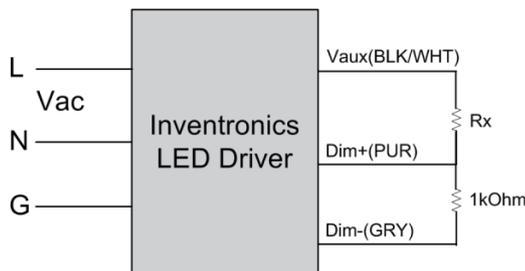
Implementation 3: External Resistor

Notes:
1. The dimmer can also be replaced by an active 0-10V voltage source signal or passive components like resistors and zener.
2. Do NOT connect Dim− to the output V− or V+, otherwise the driver will not work properly.
3. If 0-10V dimming is not used, Dim + can be either open or connected to Vaux.