

## Ballast Bypass OR Ballast Compatible

The VALTO hybrid LED solution offers unparalleled flexibility - it is the first in the industry to be UL listed for use with all ANSI magnetic ballasts (175-250W) as well as ballast bypass to mains line voltage (100-277V).

### Ballast Bypass

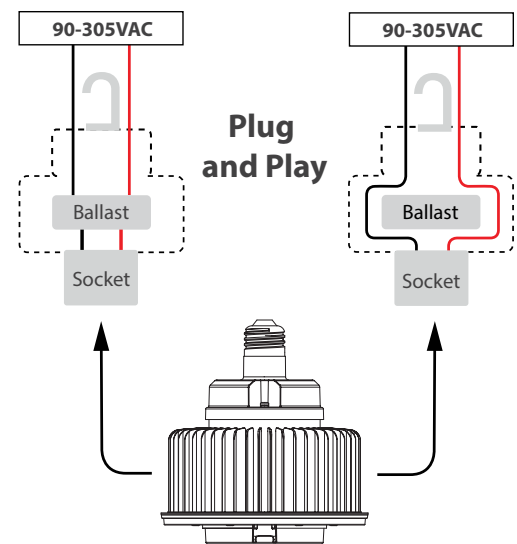
Bypassing the ballast enables the best energy saving by rerouting the main power around the ballast to power the lamp directly. In this configuration, the ballast no longer consumes power saving typically an additional 20-40W. This creates the optimum power factor of >0.95. See reverse side for ballast bypass installation instructions.

### Ballast Compatible

This option is the simplest way to replace existing HID lamps without the need for electricians; just change the lamp. In the event of future ballast failure, you can still use the existing asset and bypass the failed ballast to power the lamp directly from the main line voltage. It is a direct replacement for metal halide, mercury vapor and high-pressure sodium lamps.

WARNING: Do not use controls with ballast operations

## Ballast Compatible OR Ballast Bypass

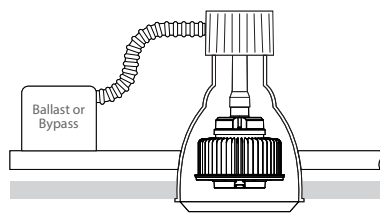


## Fixture Compatibility

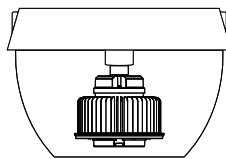
### Enclosed Fixtures

The VALTO 150E is compatible with fully enclosed, recessed and low bay lighting fixtures. It is UL listed for replacement of high pressure sodium, mercury vapor and metal halide lamps. VALTO 150 features a medium E26 base and is a replacement lamp for any fixture. It is also compatible with ED17 and BB17 lamp shapes. Its low profile design fits in most enclosed fixtures. In some cases, an optional socket extender is required.

VALTO 150E rated for enclosed fixture

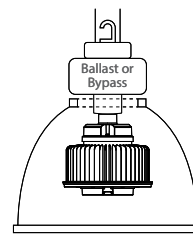


Enclosed Recessed  
Cans ≥7"

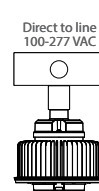


Garage Canopy

VALTO 150E and 250 rated for open/vented fixtures

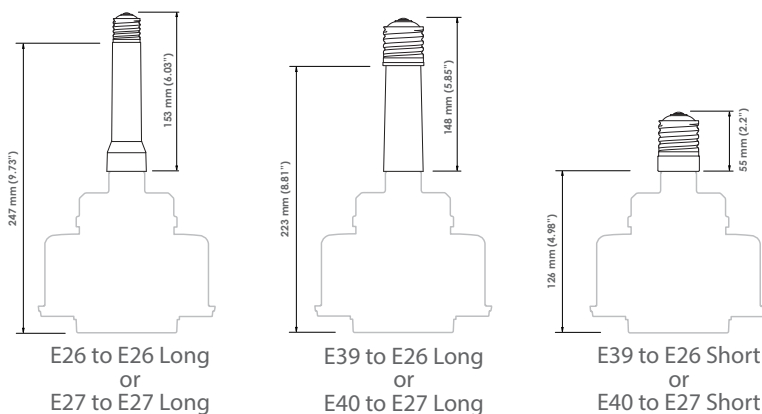


Low Bay Vented



Open

### Available Socket Extenders



### Certifications

- Suitable for dry and damp locations
- VALTO 150E is suitable for enclosed fixtures
- VALTO 150E/250 is suitable for open vented fixtures
- This device is not intended for use with emergency exits

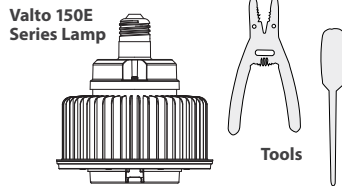


RoHS

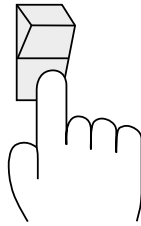


# Ballast Bypass Installation Instructions

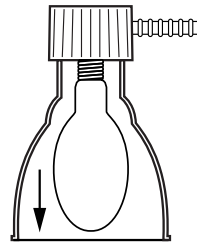
**1.** Make sure you have the required parts and tools



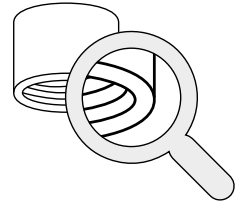
**2.** Turn power to fixture off



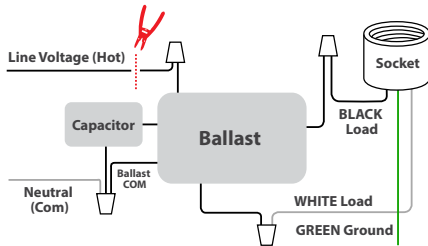
**3.** Remove HID lamp



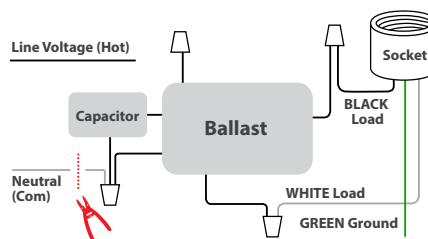
**4.** Make sure socket is not damaged



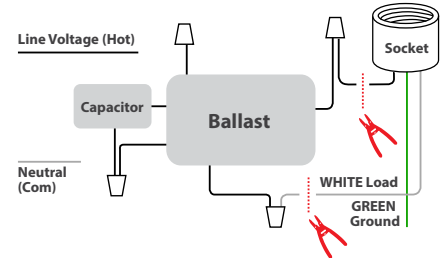
**5.** Disconnect line voltage (hot wire) from ballast



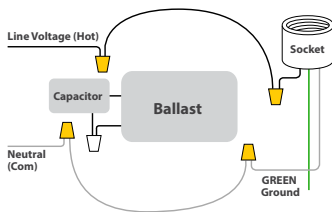
**6.** Disconnect neutral from ballast



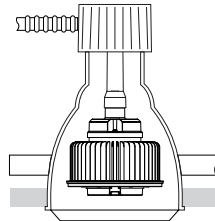
**7.** Disconnect the socket from the ballast completely



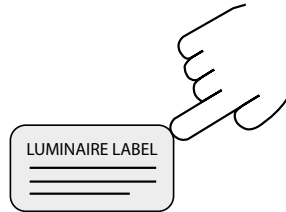
**8.** Connect hot (120VAC-277VAC) to black wire and neutral to white wire connected to socket



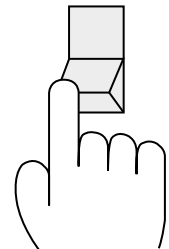
**9.** Install VALTO 150E lamp, use socket extender or socket adapter as required



**10.** Apply re-lamping label on a visible location outside the fixture



**11.** Turn power on



**WARNING -** RISK OF FIRE OR ELECTRIC SHOCK. LED RETROFIT KIT INSTALLATION REQUIRES KNOWLEDGE OF LUMINAIRE'S ELECTRICAL SYSTEM. IF NOT QUALIFIED, DO NOT ATTEMPT INSTALLATION. CONTACT A QUALIFIED ELECTRICIAN.

**WARNING -** RISK OF FIRE OR ELECTRIC SHOCK. INSTALL THIS KIT ONLY IN LUMINAIRES THAT HAVE THE CONSTRUCTION FEATURES AND DIMENSIONS SHOWN IN PRODUCT SPECIFICATION SHEET AND/OR DRAWINGS AND WHERE THE INPUT RATING OF THE RETROFIT KIT DOES NOT EXCEED THE INPUT RATING OF THE LUMINAIRE.

**WARNING -** DO NOT MAKE OR ALTER ANY OPEN HOLES IN AN ENCLOSURE OF WIRING OR ELECTRICAL COMPONENTS DURING KIT INSTALLATION.

**WARNING -** THIS LAMP IS NOT INTENDED FOR USE WITH EXTERNAL LED DRIVER. LAMP INSTALLATION WITH EXTERNAL DRIVER VOIDS THE PRODUCT WARRANTY.

**WARNING -** TO PREVENT WIRING DAMAGE OR ABRASION, DO NOT EXPOSE WIRING TO EDGES OF SHEET METAL OR OTHER SHARP OBJECTS.

**CAUTION -** DO NOT INSTALL THIS LAMP TO LINE VOLTAGE ABOVE 277VAC. THIS LAMP SUPPORTS 120VAC - 277VAC VOLTAGE RANGE.

**CAUTION -** IF THE LAMP OR LUMINAIRE EXHIBITS UNDESIRABLE OPERATION (BUZZING, FLICKERING, ETC.), IMMEDIATELY TURN OFF POWER, REMOVE LAMP FROM LUMINAIRE AND CONTACT MANUFACTURER.

**CAUTION -** RISK OF FIRE - DO NOT INSTALL THIS DEVICE IN A PRE-HEATED LUMINAIRE.

**CAUTION -** DO NOT USE CONTROLS WITH BALLAST OPERATIONS. THIS MAY PERMANENTLY DAMAGE THE LIGHTS.