

LEDVANCE

HID REPLACEMENT SELECTABLE GLASS FILAMENT LAMPS

Selectable Output

Dual Selectable Output/Color

100W – 450W HID MH equivalent

120-277V Type B Ballast bypass

Thermally Protected Non-Dimmable Driver

17W up to 85W LED

EX 39 Mogul Base

ANSI ED28 or ED37 Shape

Transient Surge Rated 2-4KV



For warranty coverage, please register at www.ledvance.com/en-us/warranty

⚠ WARNING

Please Read All Instructions Before Attempting Installation

- ADDED WEIGHT OF THE DEVICE MAY CAUSE INSTABILITY OF A FREE-STANDING PORTABLE LUMINAIRE.
- USE ONLY WITH A PORTABLE TABLE LAMP THAT IS PROVIDED WITH A SHADE.
- USE IN PORTABLE TABLE LAMPS IN WHICH THE DISTANCE FROM THE BOTTOM OF THE BASE TO THE TOP OF THE LAMPHOLDER DOES NOT EXCEED THREE TIMES THE MINIMUM BASE DIAMETER.
- LUMINAIRE WIRING AND ELECTRICAL PARTS MAY BE DAMAGED WHEN DRILLING FOR ENCLOSED COMPONENTS.
- DISABLE ALL POWER TO THE FIXTURE. THE LAMP HOLDER MUST BE DISCONNECTED FROM THE WIRING TO THE BALLAST, CAPACITOR, OR IGNITOR. VERIFY THAT VOLTAGE DOES NOT EXCEED 277Vac.
- PLEASE SEE WIRING DIAGRAM. FAILURE TO FOLLOW INSTRUCTIONS CAN RESULT IN A DAMAGED PRODUCT AND WILL VOID WARRANTY. IT COULD ALSO RESULT IN AN ELECTRIC SHOCK OR FIRE.
- RISK OF FIRE OR ELECTRIC SHOCK. THIS DEVICE IS NOT INTENDED FOR USE WITH EMERGENCY EXIT. INSTALLATION OF THIS RETROFIT ASSEMBLY REQUIRES A PERSON FAMILIAR WITH THE CONSTRUCTION AND OPERATION OF THE LUMINAIRE'S ELECTRICAL SYSTEM AND THE HAZARD INVOLVED. IF NOT QUALIFIED, DO NOT ATTEMPT INSTALLATION. CONTACT A QUALIFIED ELECTRICIAN.

⚠ WARNING

Continued –

Please Read All Instructions Before Attempting Installation

- RISK OF FIRE OR ELECTRIC SHOCK. INSTALL THIS KIT ONLY IN THE LUMINAIRES THAT HAVE THE CONSTRUCTION FEATURES AND DIMENSIONS SHOWN IN THE PHOTOGRAPHS AND/OR DRAWINGS AND WHERE THE INPUT RATING OF THE RETROFIT KIT DOES NOT EXCEED THE INPUT RATING OF THE LUMINAIRE.
- TO PREVENT WIRING DAMAGE OR ABRASION, DO NOT EXPOSE WIRING TO EDGES OF SHEET METAL OR OTHER SHARP OBJECTS.
- DO NOT MAKE OR ALTER ANY OPEN HOLES IN AN ENCLOSURE OF WIRING OR ELECTRICAL COMPONENTS DURING KIT INSTALLATION.
- RISK OF ELECTRIC SHOCK. DO NOT USE IF OUTER LAMP ENVELOPE IS DAMAGED OR BROKEN.
- PLEASE ATTACH THE WARNING STICKER TO THE MODIFIED LUMINAIRE.
- WARNING: TO AVOID POTENTIAL FIRE OR SHOCK HAZARD, DO NOT USE THIS RETROFIT KIT IN LUMINAIRES EMPLOYING SHUNTED BI-PIN LAMPHOLDERS. NOTE: SHUNTED LAMPHOLDERS ARE FOUND ONLY IN FLUORESCENT LUMINAIRES WITH INSTANT-START BALLASTS. INSTANT-START BALLASTS MAY BE IDENTIFIED BY THE WORDS "INSTANT START" OR "I.S." MARKED ON THE BALLAST. THIS DESIGNATION MAY BE IN THE FORM OF A STATEMENT PERTAINING TO THE BALLAST ITSELF OR MAY BE COMBINED WITH THE MARKING FOR THE LAMPS WITH WHICH THE BALLAST IS INTENDED TO BE USED, FOR EXAMPLE F40T12/IS. FOR MORE INFORMATION, CONTACT THE LED LUMINAIRE RETROFIT KIT MANUFACTURER.

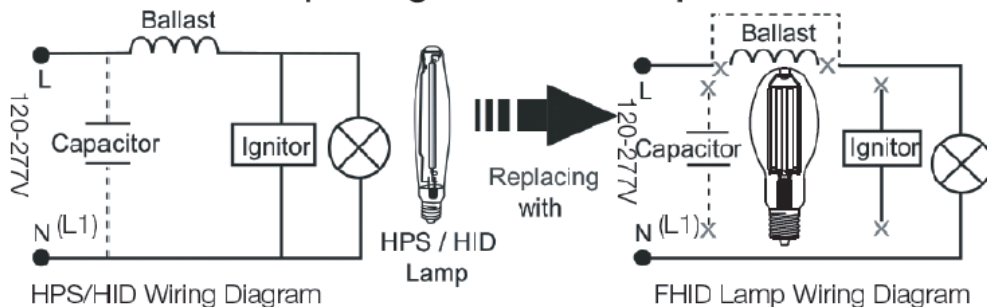
⚠ CAUTION

- INSTALLERS SHOULD NOT DISCONNECT EXISTING WIRES FROM LAMPHOLDER TERMINALS TO MAKE NEW CONNECTIONS AT LAMPHOLDER TERMINALS. INSTEAD, INSTALLERS SHOULD CUT EXISTING LAMPHOLDER LEADS AWAY FROM THE LAMPHOLDER AND MAKE NEW ELECTRICAL CONNECTIONS TO LAMPHOLDER LEAD WIRES BY EMPLOYING APPLICABLE CONNECTORS.
- THE RETROFIT KIT IS ACCEPTED AS A COMPONENT OF A LUMINAIRE WHERE THE SUITABILITY OF THE COMBINATION SHALL BE DETERMINED BY AUTHORITIES HAVING JURISDICTION. PRODUCT MUST BE INSTALLED BY A QUALIFIED ELECTRICIAN IN ACCORDANCE WITH THE APPLICABLE AND APPROPRIATE ELECTRICAL CODES. THE INSTALLATION GUIDE DOES NOT SUPERSEDE LOCAL OR NATIONAL REGULATIONS FOR ELECTRICAL INSTALLATIONS.
- PLEASE EXAMINE ALL PARTS THAT ARE NOT INTENDED TO BE REPLACED BY THE RETROFIT KIT FOR DAMAGE AND REPLACE ANY DAMAGED PARTS PRIOR TO INSTALLATION OF THE RETROFIT KIT.

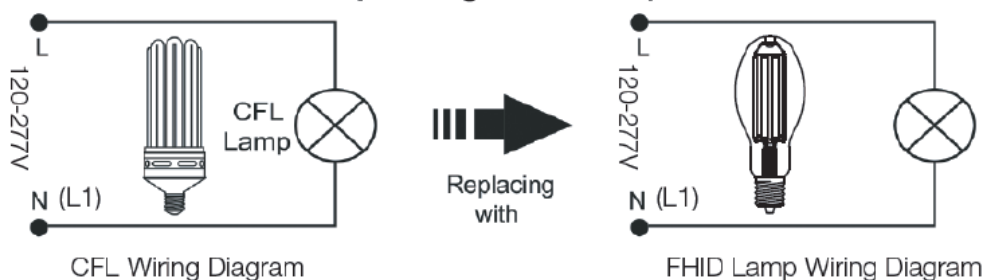
⚠ CAUTION

- THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES. OPERATION IS SUBJECT TO THE FOLLOWING TWO CONDITIONS: (1) THIS DEVICE MAY NOT CAUSE HARMFUL INTERFERENCE, AND (2) THIS DEVICE MUST ACCEPT ANY INTERFERENCE RECEIVED, INCLUDING INTERFERENCE THAT MAY CAUSE UNDESIRABLE OPERATION.
- ANY CHANGES OR MODIFICATIONS TO THIS UNIT NOT EXPRESSLY APPROVED BY THE PARTY RESPONSIBLE FOR COMPLIANCE COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT. NOTE: THIS EQUIPMENT HAS BEEN TESTED AND FOUND TO COMPLY WITH THE LIMITS FOR A CLASS B DIGITAL DEVICE, PURSUANT TO PART 15 OF THE FCC RULES. THESE LIMITS ARE DESIGNED TO PROVIDE REASONABLE PROTECTION AGAINST HARMFUL INTERFERENCE IN A RESIDENTIAL INSTALLATION. THIS EQUIPMENT GENERATES, USES, AND CAN RADIATE RADIO FREQUENCY ENERGY AND, IF NOT INSTALLED AND USED IN ACCORDANCE WITH THE INSTRUCTIONS, MAY CAUSE HARMFUL INTERFERENCE TO RADIO COMMUNICATIONS. HOWEVER, THERE IS NO GUARANTEE THAT INTERFERENCE WILL NOT OCCUR IN A PARTICULAR INSTALLATION. IF THIS EQUIPMENT DOES CAUSE HARMFUL INTERFERENCE TO RADIO OR TELEVISION RECEPTION, WHICH CAN BE DETERMINED BY TURNING THE EQUIPMENT OFF AND ON, THE USER IS ENCOURAGED TO TRY TO CORRECT THE INTERFERENCE BY ONE OR MORE OF THE FOLLOWING MEASURES: REORIENT OR RELOCATE THE RECEIVING ANTENNA. INCREASE THE SEPARATION BETWEEN THE EQUIPMENT AND RECEIVER. CONNECT THE EQUIPMENT INTO AN OUTLET ON A CIRCUIT DIFFERENT FROM THAT TO WHICH THE RECEIVER IS CONNECTED. CONSULT THE DEALER OR AN EXPERIENCED RADIO/TV TECHNICIAN FOR HELP.

Replacing HPS/HID Lamp



Replacing CFL Lamp



Fixture Selection:

1. FHID lamp is intended to retrofit E26/E27/E39/EX39/E40 base HPS/HID, CFL lamps.
2. This lamp is not intended to use in fixtures with dimmable.
3. This lamp is suitable to use in totally enclosed surface mounted fixtures.
4. Installation Method: UL Type B, Ballast Bypass, making electrical connection to the mains (120-277Vac) directly.
5. Broken or damaged fixture parts must be repaired or replaced to maintain the outdoor ratings of the fixture.
6. Perform a visual inspection to ensure lamp-holder is not damaged or loose. If damaged, corroded, charred, blackened, or loose, the lamp-holder should be replaced with a new lamp-holder according the original ones.
7. Use only fixture with lamp compartment dimensions as below (H x L x W):

Item No.	Minimum Lamp Compartment Dimensions
ED28 (17/20.5/25W)	356mm X 204mm X 204mm 14in X 8in X 8in
ED37 (30/38/45W)	356mm X 204mm X 204mm 14in X 8in X 8in
ED37 (45/55/65W)	390mmX420mmX190mm 15.4in X 16.5in X 7.5in
ED37 (60/68/85W)	349mmX431mmX431mm 13.7in X 17in X 17in



8. Operating Temperature: -20°C to 45°C
9. Warning: Lamp must be installed into fixture which follows stated operating temperature and min. lamp compartment dimension. If the installation is not as required, we do not assume all responsibility and costs.
10. This product is suitable to install in wet location fixtures.

Installation

1. Turn off the power before installing.
2. Remove the diffuser or lens or reflector of the fixture to have clear exposure of internal wiring.
3. Remove the existing lamp.
4. Bypass the gear including ballast/capacitor/ignitor and connect lamp-holder wires directly to 120-277Vac, 50/60Hz.
5. Secure wiring properly by routing away from all sharp edges.
6. Install the FHD lamp into the lamp-holder firmly.
7. Install back the diffuser or lens of the fixture.
8. Turn on the power.

5 YEAR LIMITED WARRANTY

LEDVANCE warrants the product to be free from defects in materials and workmanship from date of purchase for the specified warranty period when used as directed. Failure to comply with Product warnings and instructions shall void the warranty. This warranty does not cover Product subject to accident, neglect, abuse, misuse, or acts of God. If Product fails to operate according to the warranty, return Product to place of purchase with proof of purchase date and LEDVANCE will replace with the same or similar Product free. Labor IS NOT INCLUDED. LEDVANCE reserves the sole right to examine and determine whether the Product is defective. For additional information contact 1-800-LIGHTBULB (1-800-544-4828) Email:lightbulb@ledvance.com.

THIS IS THE EXCLUSIVE REMEDY AVAILABLE. LIABILITY FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES IS EXPRESSLY EXCLUDED. SOME STATES AND JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE OR PROVINCE. THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THE WARRANTY OF MERCHANTABILITY OR FITNESS OF USE, WHICH ARE HEREBY EXCLUDED. IF UNDER APPLICABLE STATE LAW IMPLIED WARRANTIES MAY NOT VALIDLY BE DISCLAIMED OR EXCLUDED, THE DURATION IS LIMITED TO THE SPECIFIED WARRANTY PERIOD.