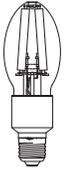


INSTRUCTIONS

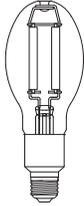
HID FILAMENT LAMP INSTALLATION

RAB®

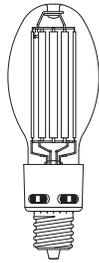
RAB Lighting is committed to creating high-quality, affordable, well-designed and energy-efficient LED lighting and controls that make it easy for electricians to install and end users to save energy. We'd love to hear your comments. Please call the Marketing Department at 888-RAB-1000 or email: marketing@rablighting.com



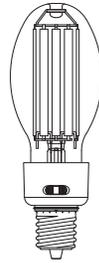
FHID-15-E26-850



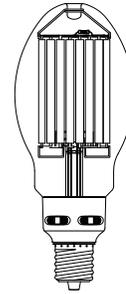
FHID-20-E26-850
FHID-20-EX39-850



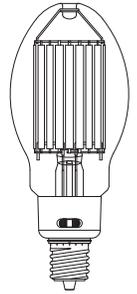
FHID-25S-EX39-8CCT



FHID-45S-EX39-850



FHID-45S-EX39-8CCT



FHID-65S-EX39-850
FHID-85S-EX39-850

IMPORTANT

READ CAREFULLY BEFORE INSTALLING FIXTURE. RETAIN THESE INSTRUCTIONS FOR FUTURE REFERENCE.

RAB fixtures must be wired in accordance with the National Electrical Code and all applicable local codes. Proper grounding is required for safety. THIS PRODUCT MUST BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE INSTALLATION CODE BY A PERSON FAMILIAR WITH THE CONSTRUCTION AND OPERATION OF THE PRODUCT AND THE HAZARDS INVOLVED.

WARNING:

To reduce the risk of electrical shock, fire, or injury to persons, must read and follow all warnings and installation instructions before installing. All installation should be performed by a qualified electrician.

Risk of Fire or Electric Shock:

- 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 (3) times the minimum base diameter.
- Luminaire wiring and electrical parts may be damaged when drilling for installation of LED retrofit. Check for enclosed wiring and 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.
- 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.
- 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.

INSTRUCTIONS

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CAUTIONS

- 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.
- 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 undesired 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.

FIXTURE SELECTION

1. HiLED lamp is intended to retrofit E26/E39/EX39 base HPS/HID, CFL lamps.
2. This lamp is not intended to use in fixtures with dimming (except FHID-20-EX39-850).
3. This lamp is suitable to use in totally enclosed 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 E26/E39/EX39.
7. Use only fixture with lamp compartment dimensions as below (H x L x W):

Model No.	Type of recessed luminaires and min. lamp compartment dimension
FHID-15-E26-850	8.6 x 6.1 x 6.1 inch / 216 x 153 x 153 mm
FHID-20-E26/EX39-850	8.6 x 6.1 x 6.1 inch / 216 x 153 x 153 mm
FHID-25S-EX39-8CCT FHID-45S-EX39-850	14.1 x 8.1 x 8.1 inch / 356 x 204 x 204 mm
FHID-45S-EX39-8CCT FHID-65S-EX39-850	15.4 x 16.6 x 7.5 inch / 390 x 420 x 190 mm
FHID-85S-EX39-850	13.8 x 17.0 x 17.0 inch / 349 x 431 x 431 mm

8. Operating Temperature: -22.0°F to 113.0°F
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.



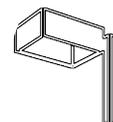
POST TOP



LOW/HIGH BAY



WALL PACK



SHOE BOX



DUSK TO DAWN

INSTRUCTIONS

HID FILAMENT LAMP INSTALLATION

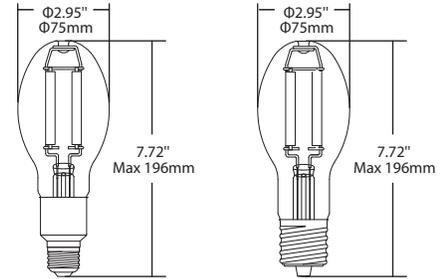


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INSTALLATION

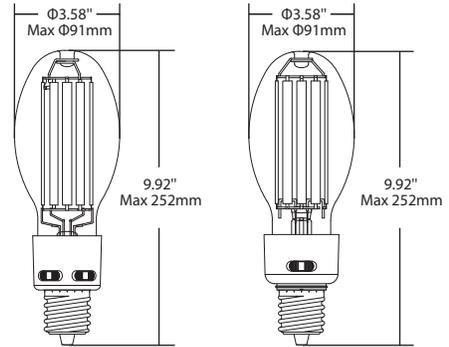
1. Turn off the power before installing.
2. Remove the diffuser or lens or reflector of the fixture to have clear exposer of internal wiring.
3. Remove the existing lamp.
4. Bypass the gear including ballast/capacitor/ignitor and connect lamp-holder wires directly to 120-277Vac, 50/60Hz.
5. Adjust lumens according to your requirements.
6. Secure wiring properly by routing away from all sharp edges.
7. Choose the Lumen and CCT Switch according to your requirement.
8. Install the HiLED lamp into the lamp-holder firmly.
9. Install back the diffuser or lens of the fixture.
10. Turn on the power.

DIMENSIONAL DRAWINGS



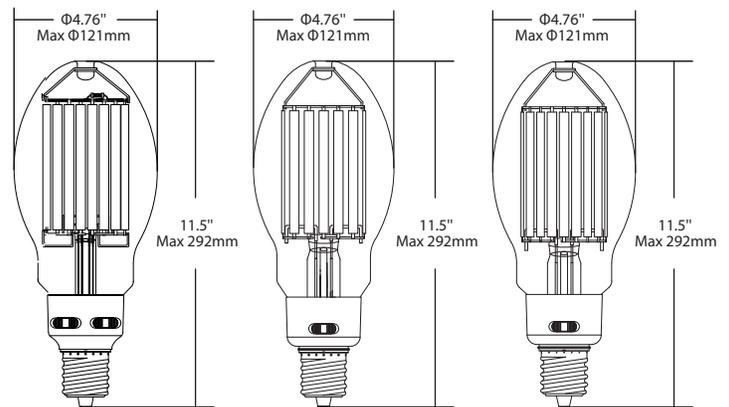
FHID-20-E26-850

FHID-20-EX39-850



FHID-25S-EX39-8CCT

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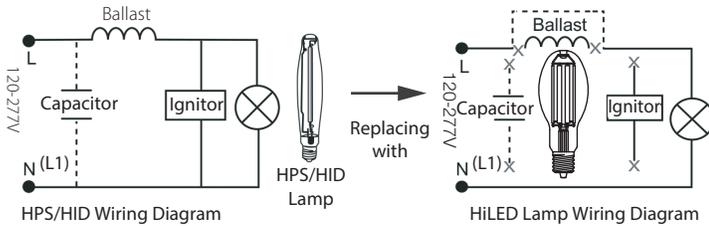
FHID-45S-EX39-8CCT

FHID-65S-EX39-850

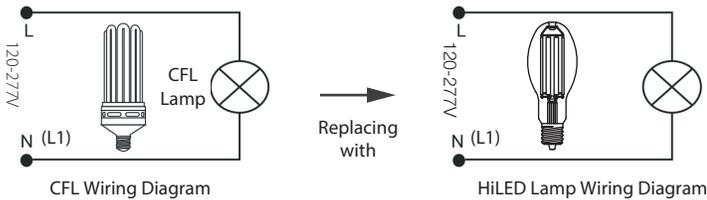
FHID-85S-EX39-850

WIRING DIAGRAM

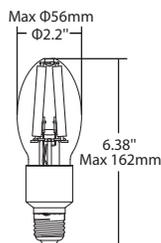
Replacing HPS/HID Lamp



Replacing CFL Lamp



DIMENSIONAL DRAWINGS



FHID-15-E26-850



Easy Answers

rablighting.com
Visit our website for product info

Tech Help Line
Call our experts: 888 722-1000

e-mail
Answered promptly - sales@rablighting.com

Free Lighting Layouts
Answered online or by request