

# INSTRUCTIONS

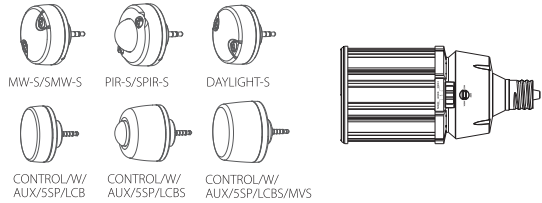
## Field Adjustable Post Top



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](mailto:marketing@rablighting.com)

### HIDFA-XXS-E26-8CCT-BYP/5SP HIDFA-XXXS-EX39-8CCT-BYP/5SP

Our optional sensors include MW-S/SMW-S, PIR-S/SPIR-S, DAYLIGHT-S, CONTROL/W/AUX/5SP/LCB, CONTROL/W/AUX/5SP/LCBS and CONTROL/W/AUX/5SP/LCBS/MVS. The lamps will perform as normal if no sensor is inserted. If the lamps use CONTROL/W/AUX/5SP/LCB, CONTROL/W/AUX/5SP/LCBS and CONTROL/W/AUX/5SP/LCBS/MVS, please refer to sensor instruction to get setup and installation guide. Please note that RAB lamps can't operate with other brand sensors.



## IMPORTANT

### READ CAREFULLY BEFORE INSTALLING LED HID BULBS. RETAIN THESE INSTRUCTIONS FOR FUTURE REFERENCE.

RAB LED HID Bulbs must be wired in accordance with the National Electrical Code and all applicable 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.

#### WARNINGS:

- Main applications include for use in post top, street lights and other suitable light fixtures.
- Operating temperature: -30°C to 60°C (-22°F to 140°F).
- These LED Lamps require all ballasts, capacitors, and ignitors to be bypassed or removed. Do not operate lamps on existing ballasts.
- Dimmable with optional control modules.
- Do not use with standard dimmers. Only use the control provided with or specified by these instructions to control this lamp. This lamp will not operate properly when connected to a standard (incandescent) dimmer or dimming control.
- This device is not intended for use with emergency exits.
- Can be used in enclosed fixtures. Do not install 120W in horizontal applications.
- Before installation make certain the AC power to the fixture is off.
- Risk of fire or electric shock. Luminaire wiring and electrical parts may be damaged when drilling for installation of LED retrofit kit. Check for enclosed wiring and components.
- Risk of fire or electric shock. LED Retrofit lamp installation requires knowledge of luminaires electrical systems. If not qualified, do not attempt installation. Contact a qualified electrician.
- Do not make or alter any open holes in an enclosure of wiring or electrical components during kit installation.
- 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.
- To prevent wiring damage or abrasion, do not expose wiring to edges of sheet metal or other sharp objects.
- Risk of fire or electric shock. Install this kit only in luminaires that have the construction features and dimensions shown in the photographs or drawings and where the input rating of the retrofit kit does not exceed the input rating of the luminaire.
- Use only with a portable luminaire that is provided with a shade.
- Added weight of the device may cause instability of a free-standing portable luminaire.
- Text or diagram showing how the supply connections are made to the lampholders.
- Risk of fire or electric shock. Install this kit only in 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.
- RISK OF FIRE OR ELECTRIC SHOCK. LUMINAIRES WIRING, POWER SUPPLY, OR OTHER ELECTRICAL PARTS MAY BE DAMAGED WHEN DRILLING FOR INSTALLATION OF RETROFIT KIT HARDWARE. INSPECT WIRING AND COMPONENTS FOR DAMAGE.
- 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.

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.

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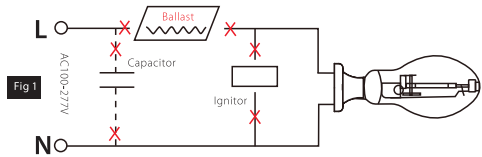
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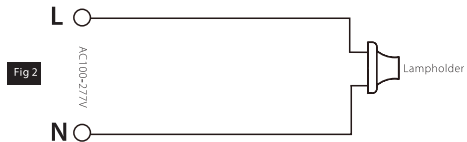
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## LAMP INSTALLATION

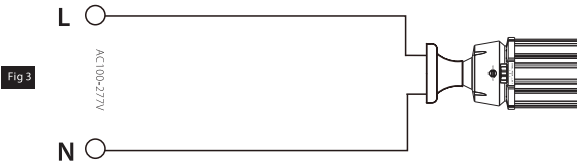
1. Turn off the power before installation. Remove old ballast or disconnect from existing lampholder. Shown as Figure 1. Remove and dispose of ballast in correct manner. (North America 100-277VAC)



2. Reconnect directly to the existing lampholder. Shown as Figure 2. (North America 100-277VAC)

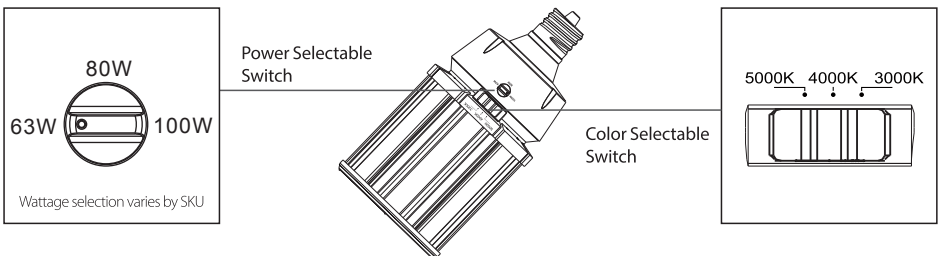


3. Select power and color temperature (CCT) of new LED replacement lamp before installation.
4. Install new LED replacement lamp. Shown as Figure 3. Please make sure the old fitting is correctly grounded. Attach retrofit label to luminaire. (North America 100-277VAC)



Securely fasten the ground wire to the main body structure. If the wire is damaged in any way please replace. (Do not use existing burnt out wire). If needed, the replacement ground wire must be 1.0mm in size and insulated from heat.

## SELECTABILITY Power and CCT Selectable



*Note: These instructions do not cover all details or variations in equipment nor do they provide for every possible situation during installation, operation or maintenance.*

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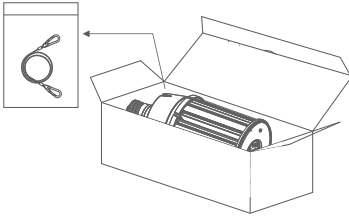
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| Model Number  | Power Selectable | CCT Selectable |
|---|------------------|----------------|
| HIDFA-36S-E26-8CCT-BYP/SSP<br>HIDFA-36S-EX39-8CCT-BYP/SSP | 18W              | 3000K          |
|   | 27W              | 4000K          |
|   | 36W              | 5000K          |
| HIDFA-45S-E26-8CCT-BYP/SSP<br>HIDFA-45S-EX39-8CCT-BYP/SSP | 27W              | 3000K          |
|   | 36W              | 4000K          |
|   | 45W              | 5000K          |
| HIDFA-54S-E26-8CCT-BYP/SSP<br>HIDFA-54S-EX39-8CCT-BYP/SSP | 36W              | 3000K          |
|   | 45W              | 4000K          |
|   | 54W              | 5000K          |

| Model Number                 | Power Selectable | CCT Selectable |
|------------------------------|------------------|----------------|
| HIDFA-63S-EX39-8CCT-BYP/SSP  | 45W              | 3000K          |
|                              | 54W              | 4000K          |
|                              | 63W              | 5000K          |
| HIDFA-80S-EX39-8CCT-BYP/SSP  | 54W              | 3000K          |
|                              | 63W              | 4000K          |
|                              | 80W              | 5000K          |
|                              | 63W              | 3000K          |
| HIDFA-100S-EX39-8CCT-BYP/SSP | 80W              | 4000K          |
|                              | 100W             | 5000K          |
|                              | 80W              | 3000K          |
| HIDFA-120S-EX39-8CCT-BYP/SSP | 100W             | 4000K          |
|                              | 120W             | 5000K          |
|                              | 80W              | 3000K          |

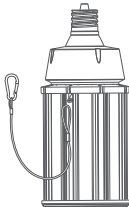
## SAFETY CABLE INSTALLATION INSTRUCTION

⚠ You must use the safety cable to secure the lamps equal to or over 80W in case of falling down due to old socket.

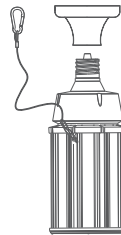


1 Remove the enclosed safety cable from the package.

2 Attach the safety cable to one end of the lamp.



3 Attach the other end of the safety cable to the luminaire.



### Easy Answers

[rablighting.com](http://rablighting.com)  
Visit our website for product info

Tech Help Line  
Call our experts: 888 722-1000

e-mail  
Answered promptly - [sales@rablighting.com](mailto:sales@rablighting.com)

Free Lighting Layouts  
Answered online or by request

**RAB WARRANTY:** RAB's warranty is subject to all terms and conditions found at [rablighting.com/warranty](http://rablighting.com/warranty).