

INSTRUCTIONS

Residential Retrofit Adjustable FA 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



RA4R89FA120WS



RA6R109FA120WS
RA6R119FA120WS

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.

WARNINGS:

- Risk of electrical shock. Disconnect power at fuse or circuit breaker before installing or servicing.
- To prevent early fixture failure, fixture should only be installed in operating environments ranging between -30°C and 40°C (-22°F and 104°F).
- No user serviceable parts inside. To avoid electrical shock do not disassemble product.
- LED Retrofit Kit installation requires knowledge of luminaires electrical systems. If not qualified, do not attempt installation. Contact a qualified electrician.
- Install this kit only in luminaires that have the construction features and minimum dimensions shown in the Figure 1 and where the input rating of the retrofit kit does not exceed the input rating of the luminaire.
- Do not make or alter any open holes in an enclosure of wiring or electrical components during kit installation
- To prevent wiring damage or abrasion, do not expose wiring to edges of sheet metal or other sharp objects.
- 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.
- This retrofit kit is accepted as a component of a luminaire where the suitability of the combination shall be determined by authorities having jurisdiction.
- This device is not intended for use with emergency exits.
- This retrofit kits suitable for wet locations luminaires specified as below: Type Non IC; Type IC; Covered ceiling; Uncovered ceiling. Installers should 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.

NOTE 1: 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.

NOTE 2: 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

INSTRUCTIONS

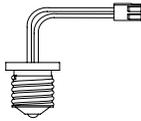
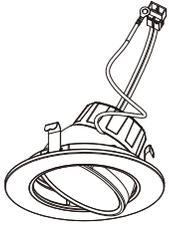
Residential Retrofit Adjustable FA Installation



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

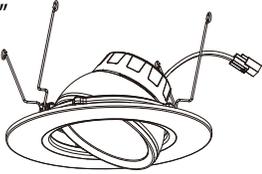
WHAT'S IN THE BOX

4"



THIS LUMINAIRE HAS BEEN MODIFIED TO OPERATE LED LAMPS.
DO NOT ATTEMPT TO INSTALL OPERATING INCANDESCENT LAMPS IN THIS LUMINAIRE.
REPLACE ONLY WITH RAB Lighting Inc.
RAB LIGHTING.COM 888.724.1000
MODEL#

6"



E26 Adaptor (1)

Lumi Sticker (1)

Downlight (1)

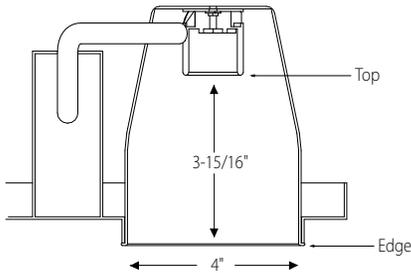
TOOLS NEEDED

The Recessed LED Downlight is designed to fit into a 4" housing or 6" housing. No tools are necessary for installation.

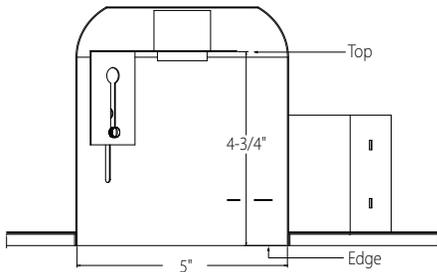
MINIMUM LUMINAIRE DIMENSION

Fig: 1

4"



6"



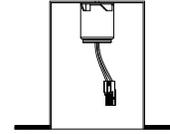
4" INSTALLATION INSTRUCTIONS

1. Make sure the power is turned off at the source to the recessed housing(s) that you are installing the fixture(s) in. Remove existing trim and CFL, or Incandescent bulbs.

4" INSTALLATION INSTRUCTIONS (cont'd)

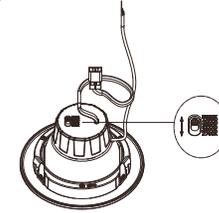
2. Screw E26 base adaptor into socket in recessed housing. (Fig. 2)

Fig: 2



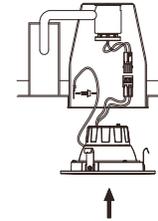
3. Select desired CCT. (Fig.3)

Fig: 3



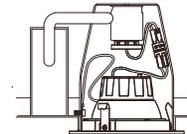
4. Plug E26 base cable connector into the LED Recessed Kit. Make sure the kit is grounded. (Fig. 4)

Fig: 4



5. Carefully route wires into fixture. Utilizing the friction clips, guide fixture into the housing for a tight fit. (Fig. 5)

Fig: 5



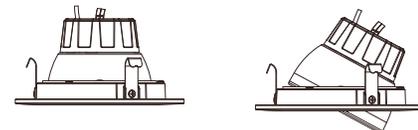
6. Push Recessed Kit up flush to ceiling surface. (Fig. 6)

Fig: 6



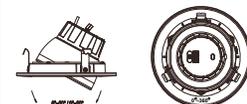
7. Push the edge of the bezel to tilt lens. Rotate lens assembly horizontally towards the surface to be illuminated. (Fig. 7)

Fig: 7



Gimbal Feature:

The aimable gimbal design provides up to 30° vertical tilt and 360° horizontal rotation capability.



INSTRUCTIONS

Residential Retrofit Adjustable FA Installation

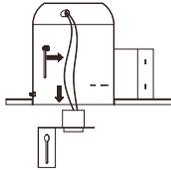


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6" INSTALLATION INSTRUCTIONS

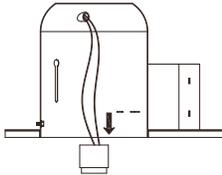
1. Make sure the power is turned off at the source to the recessed housing(s) that you are installing the fixture(s) in. Remove existing trim and CFL, or Incandescent bulbs.
- 2a. Unscrew the screws on socked bracket, push bracket upward to the top location. (Fig. 8)

Fig: 8



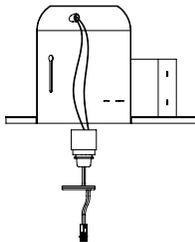
- 2b. Remove existing socket mounting plate from the recessed housing and then remove lamp socket from the plate. (Fig. 9)

Fig: 9



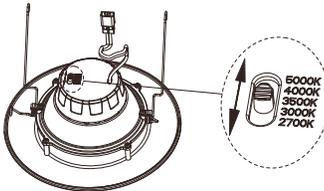
3. Screw E26 base adapter into socket in recessed housing. (Fig.10)

Fig: 10



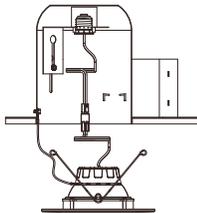
4. Select desired CCT. (Fig. 11)

Fig: 11



5. Plug E26 base cable connector into the LED Recessed Kit. Make sure the kit is grounded. (Fig. 12)

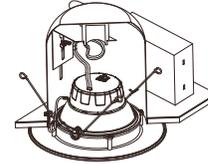
Fig: 12



6" INSTALLATION INSTRUCTIONS (cont'd)

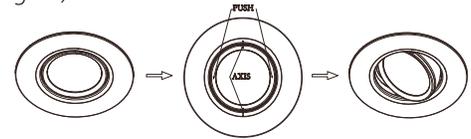
6. Squeeze torsion springs together as shown and install into torsion spring brackets inside recessed housing. For proper installation, the torsion springs should be seated within the brackets and on both sides of the housing. (Fig. 13)

Fig: 13



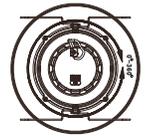
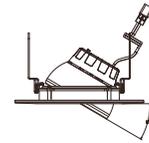
7. Carefully route wires into fixture and push Recessed Kit up flush to ceiling surface. Push the edge of the bezel to tilt lens up to 30°. Rotate lens assembly horizontally towards the surface to be illuminated. (Fig. 14)

Fig: 14

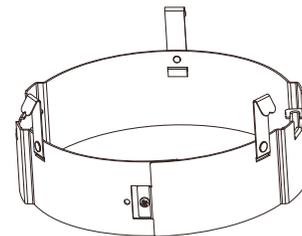


Gimbal Feature:

The aimable gimbal design provides up to 30° vertical tilt and 360° horizontal rotation capability.



OPTIONAL ACCESSORIES



6" Band with Friction clips

RFLED-RETROBAND

For use with 6" housings without torsion spring receivers with internal diameter 165.1-171.45mm

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

RAB WARRANTY: RAB's warranty is subject to all terms and conditions found at rablighting.com/warranty.

INSTRUCTIONS

Recessed Retrofit FA Installation

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R4R89FA120WS



R4R89FA120WB



R4R109FA120WB



R6R89FA120WS
R6R119FA120WS
R6R149FA120WS



R6R89FA120WB
R6R119FA120WB
R6R149FA120WB

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WARNINGS:

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- LED Retrofit Kit installation requires knowledge of luminaires electrical systems. If not qualified, do not attempt installation. Contact a qualified electrician.
- Install this kit only in luminaires that have the construction features and minimum dimensions shown in the Figure 1 and where the input rating of the retrofit kit does not exceed the input rating of the luminaire.
- Do not make or alter any open holes in an enclosure of wiring or electrical components during kit installation
- To prevent wiring damage or abrasion, do not expose wiring to edges of sheet metal or other sharp objects.
- 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.
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- 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.

NOTE 2: 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: These instructions do not cover all details or variations in equipment nor do they provide for every possible situation during installation, operation or maintenance.

INSTRUCTIONS

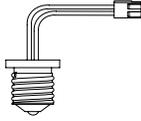
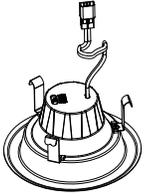
Recessed Retrofit FA Installation



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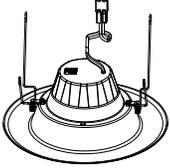
WHAT'S IN THE BOX

4"



THIS LUMINAIRE HAS BEEN DESIGNED TO OPERATE LED LAMPS.
DO NOT ATTEMPT TO INSTALL OR OPERATE INCANDESCENT LAMPS IN THIS LUMINAIRE.
REPLACE ONLY WITH RAB LIGHTING INC.
RABLIGHTING.COM 888.223.1000
MODEL#

6"



E26 Adaptor (1)

Lumi Sticker (1)

Downlight (1)

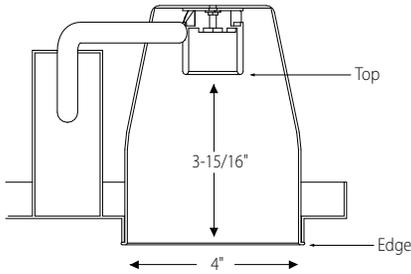
TOOLS NEEDED

The Recessed LED Downlight is designed to fit into a 4" housing or 6" housing. No tools are necessary for installation.

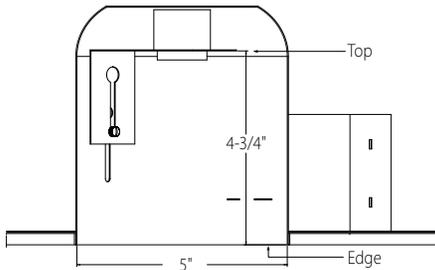
MINIMUM LUMINAIRE DIMENSION

Fig: 1

4"



6"

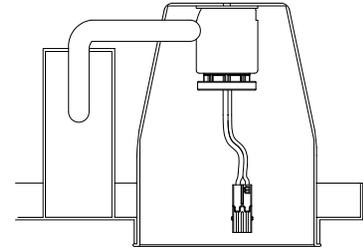


4" INSTALLATION INSTRUCTIONS

1. Make sure the power is turned off at the source to the recessed housing that you are installing the fixture in. Remove existing trim and CFL or Incandescent bulbs.
2. Screw the E26 adaptor into the socket inside the housing.

(Fig. 2)

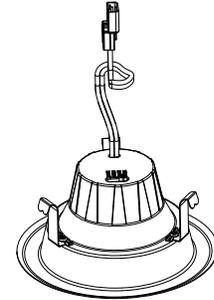
Fig: 2



3. Select desired CCT level using switch on driver box.

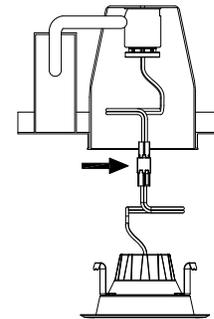
(Fig. 3)

Fig: 3



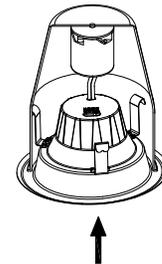
4. Plug E26 base cable connection into the recessed housing.

Fig: 4



5. Carefully route wires into fixture, simply slide the trim and metal friction clips into the housing.

Fig: 5



INSTRUCTIONS

Recessed Retrofit FA Installation

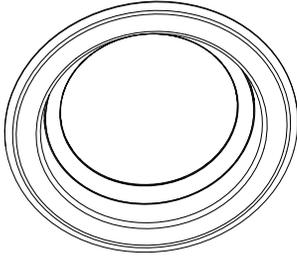


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4" INSTALLATION INSTRUCTIONS (cont'd)

6. Push the LED trim into the housing until flush with ceiling. (Fig. 6)

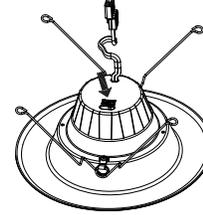
Fig: 6



6" INSTALLATION INSTRUCTIONS (cont'd)

5. Select desired CCT level using switch on driver box. (Fig. 10)

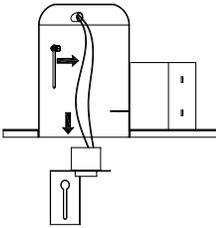
Fig: 10



6" INSTALLATION INSTRUCTIONS

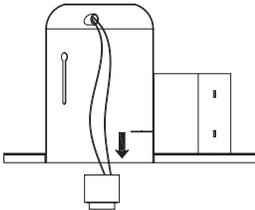
1. Make sure the power is turned off at the source to the recessed housing(s) that you are installing the fixture(s) in. Remove existing trim and CFL, or Incandescent bulbs.
2. Unscrew the screws on socket bracket, push bracket upward to the top location. (Fig. 7)

Fig: 7



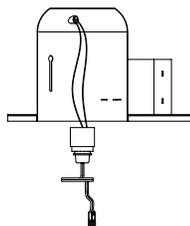
3. Remove existing socket mounting plate from the recessed housing and then remove lamp socket from the plate. (Fig. 8)

Fig: 8



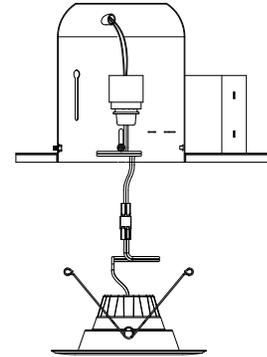
4. Screw the E26 adapter into the socket inside the housing. (Fig. 9)

Fig: 9



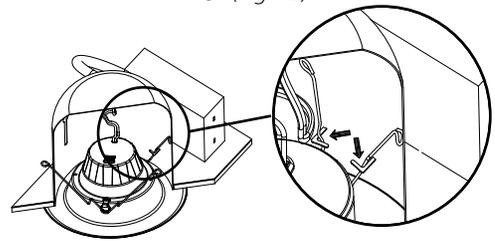
6. Plug E26 base cable connection into the recessed housing. (Fig. 11)

Fig: 11



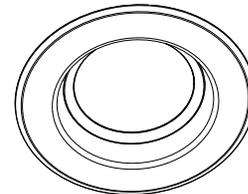
7. Squeeze torsion springs as shown and install into the metal brackets inside the recessed housing. For proper installation, the torsion springs should be seated within the brackets and on both sides of the housing. (Fig. 12)

Fig: 12



8. Carefully place wires into fixture and push the LED trim into the housing until flush with ceiling. (Fig. 13)

Fig: 13



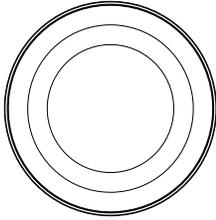
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Recessed Retrofit FA Installation



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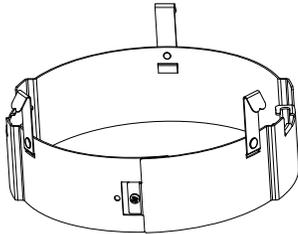
OPTIONAL ACCESSORIES



Goof ring

RFLED-GOOF-4R-6R-W

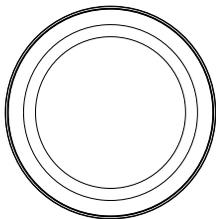
For use with 4" housing applications



6" Band with Friction clips

RFLED-RETROBAND

For use with 6" housings without torsion spring receivers with internal diameter 165.1-171.45mm



Goof ring

RFLED-GOOF-6R-8R-W

For use with 5⁵/₁₆" housing applications