

# INSTRUCTIONS

## 6", 8" & 9.5" PERFORMANCE DOWNLIGHT - FA



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)



### 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 lamp failure, lamp 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.
- Risk of fire or electric shock, LED Retrofit Kit installation requires knowledge of luminaires electrical systems. If not qualified, do not attempt installation. Contact a qualified electrician.
- Risk of fire or electric shock, Install this kit only in luminaires that have the construction features and min dimensions shown in the Figure 9 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. Product must be installed by a qualified electrician in accordance with the applicable and appropriate electrical codes. The installation guide does not supersede local national regulations for electrical installations.
- This device is not intended for use with emergency exists.
- Caution - risk of fire. Consult a qualified electrician to ensure correct branch circuit conductor.
- Min.90°C supply conductors.

### WHAT'S IN THE BOX



Downlight (1)



Wire Nuts (5)



Template (1)

### TOOLS NEEDED

This LED Recessed Kit requires very few tools for installation. A screwdriver and a pair of wirecutters will help to install.



### OPTIONAL ACCESSORIES

#### Goof Ring



DL6-8GOOF/R/P  
for use with 8" ceiling hole applications



DL8-10GOOF/R/M  
for extending from 8-1/4" to 10-1/2"  
Maximum Ceiling Cutout 9"



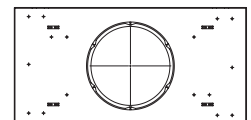
DL10-12GOOF/R/M  
for extending from 10-1/4" to 12-1/2"  
Maximum Ceiling Cutout 10-3/8"



DL12-14GOOF/R/M  
for extending from 11-1/2" to 14-3/16"  
Maximum Ceiling Cutout 12-3/8"

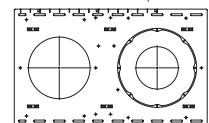
#### DLPLATE/T

New construction or remodel plate for T-grid ceilings



#### DLPLATE/SJ

New construction plate for Stud/Joist



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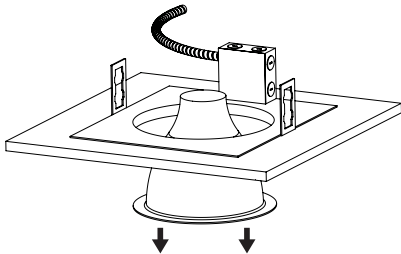


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### INSTALLATION WITH EXISTING FRAME

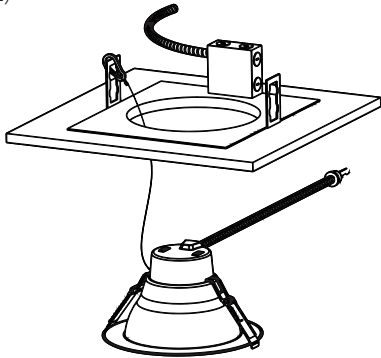
1. Shut power OFF to the fixture.
2. Remove the old housing for lamp. (Fig.1)

Fig: 1



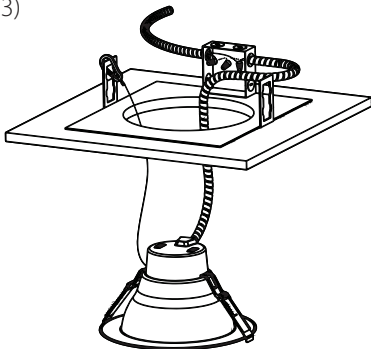
3. Attach the carabiner safety clip to the existing fixture housing.(Fig.2)

Fig: 2



4. Remove junction box faceplate. Disconnect all wires to the ballast and remove ballast from J-Box. Remove appropriate round knock out and attach the fixture conduit whip into knock out. Connect incoming power (White to White, Black to Black, Green to Green/Ground). For 0-10V dimming circuits, connect Grey to Grey and Purple to Purple. Reattach J-Box faceplate.(Fig.3)

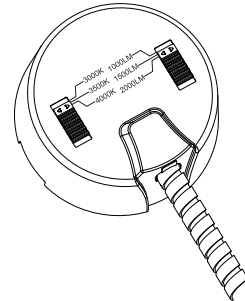
Fig: 3



### INSTALLATION WITH EXISTING FRAME (cont'd)

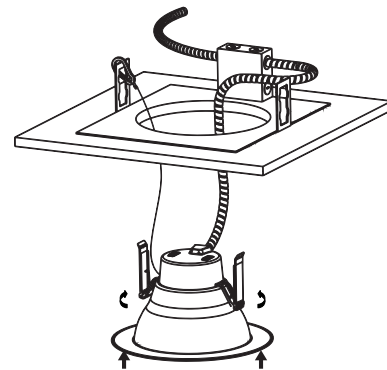
5. Adjust the fixture power to desired lumen output by sliding the black selector switch. Adjust the color temperature to desired one, by sliding the red selector switch.(Fig.4)

Fig: 4



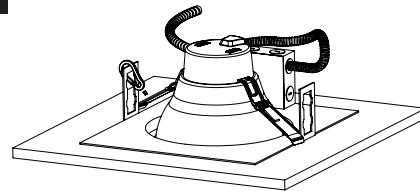
6. Install the downlight by lifting both retention tabs upward. (Fig.5)

Fig: 5



7. Push until the trim sits flush against the ceiling. (Fig.6)

Fig: 6



8. Restore power at the source and the installation is complete.

**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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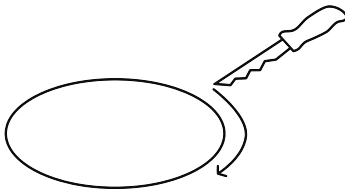


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### INSTALLATION WITHOUT EXISTING FRAME

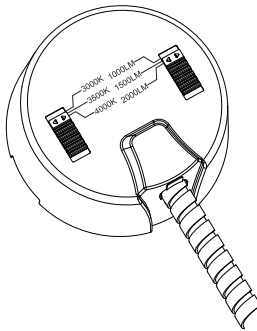
1. Make sure the POWER IS TURNED OFF at the source to the location in which you are installing the product.
2. Use template inside box to cut hole in ceiling. (Fig. 7)

Fig: 7



3. Select desired lumen output and CCT. (Fig. 8)

Fig: 8

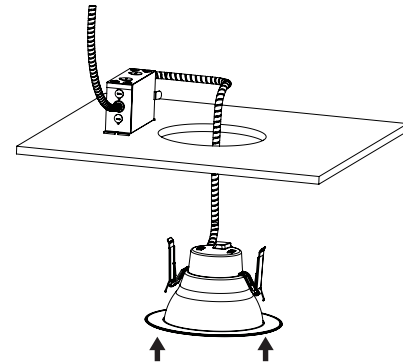


### INSTALLATION

#### WITHOUT EXISTING FRAME (cont'd)

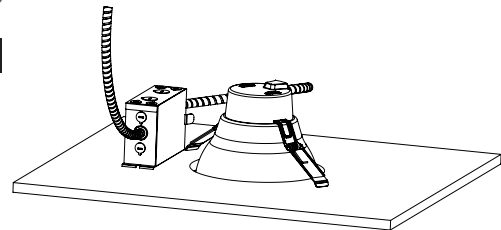
4. Insert lamp conduit into a preinstalled J-box (not provided) and wire to the power source (black to hot, white to neutral, green to ground). For 0-10V dimming circuits, connect grey to grey and purple to purple. Close the J-box securely. Install the downlight by lifting both retention tabs upward. (Fig. 9)

Fig: 9



5. Push until the trim sits flush against the ceiling. (Fig. 10)

Fig: 10



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Northvale, New Jersey 07647 USA  
6" Commercial Downlight

#### 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).