

# INSTRUCTIONS

## 6" Commercial Downlight



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)



C6R129XXUNVW



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### 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)



MC connector (1)



Wire Nuts (5)

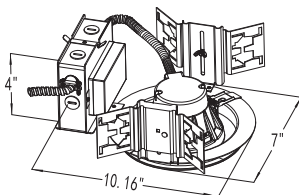


Lumi Sticker (1)



Template (1)

### MIN. LAMP COMPARTMENT DIMENSIONS

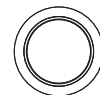


### TOOLS NEEDED

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

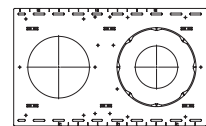
### OPTIONAL ACCESSORIES

#### Goof Ring

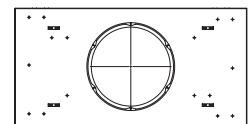


DL6-8GOOF/R/P  
For use with 8" ceiling hole applications

#### Plate



DLPLATE/T  
New construction or remodel plate for T-grid ceilings



DLPLATE/SJ  
New construction plate for Stud/Joist

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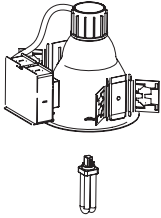
# RAB®

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### INSTALLATION WITH EXISTING FRAME

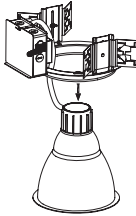
1. Shut power OFF to the fixture.
2. Remove CFL, Incandescent or HID lamp. (Fig.1)

Fig: 1



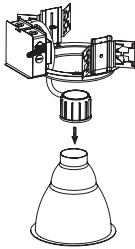
3. Remove reflector from rough-in (mounting frame). (Fig. 2)

Fig: 2



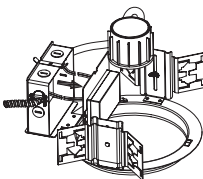
4. Remove socket assembly from reflector. (Fig. 3)

Fig: 3



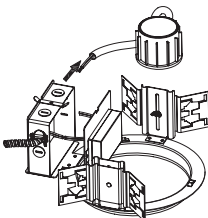
5. Remove J-Box metal plate with existing lamp ballast. Do not dispose. Disconnect all wires from the ballast. (Fig. 4)

Fig: 4



6. Remove the existing lamp metal conduit (MC) cable from the J-Box. (Fig. 5)

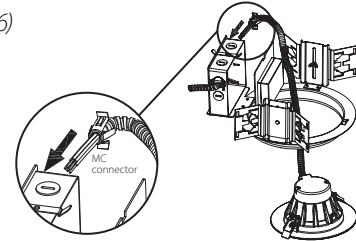
Fig: 5



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

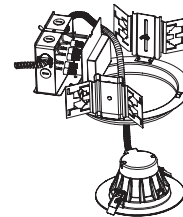
7. Fasten the LED retrofit kit MC cable to the J-Box with MC connector. (Fig. 6)

Fig: 6



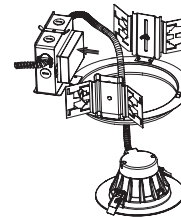
8. Wire nut the ground (green) wire in the junction box. Wire nut the black input wire with the black wire from the MC cable and wire nut the white input wire with the white wire from the MC cable. Wire nut the purple input wire with the purple wire from the MC cable and wire nut the grey input wire with the grey wire from the cable. If the purple and grey wires are not in use, cap separately each wire with a wire nut. (Fig. 7)

Fig: 7



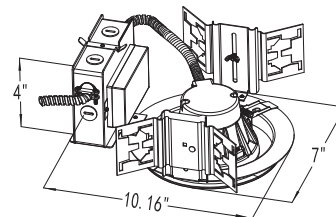
9. Put back J-Box metal plate (with lamp ballast still attached to it). (Fig. 8)

Fig: 8



10. Install the retrofit kit in the rough-in by lifting upward both retention tabs. Push the kit until it sits flush against the ceiling. (Fig. 9)

Fig: 9



11. Turn power ON and start saving \$\$.

**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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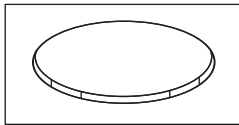


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### INSTALLATION WITHOUT EXISTING FRAME

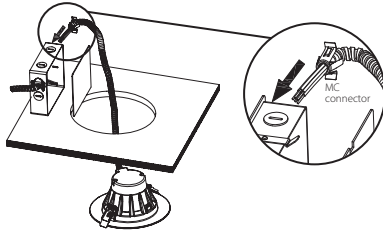
1. Use template inside box to cut hole in ceiling. (Fig.10)

Fig: 10



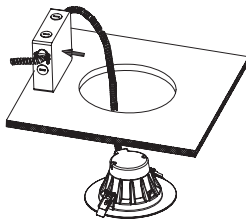
2. Shut power OFF to the fixture. Fasten the LED kit MC cable to a junction box with MC connector. Wire nut the ground (green) wire in the junction box. Wire nut the black input wire with the black wire from the MC cable and wire nut the white input wire with the white wire from the MC cable. Wire nut the purple input wire with the purple wire from the MC cable and wire nut the grey input wire with the grey wire from the MC cable. If the purple and grey wires are not in use, cap these with wire nuts. (Fig.11)

Fig: 11



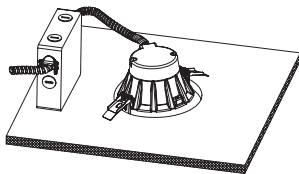
3. Install junction box cover plate. (Fig.12)

Fig: 12



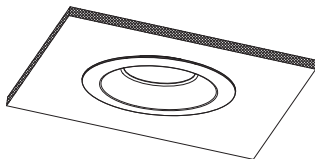
4. Install the LED kit by lifting both retention tabs upward. (Fig.13)

Fig: 13



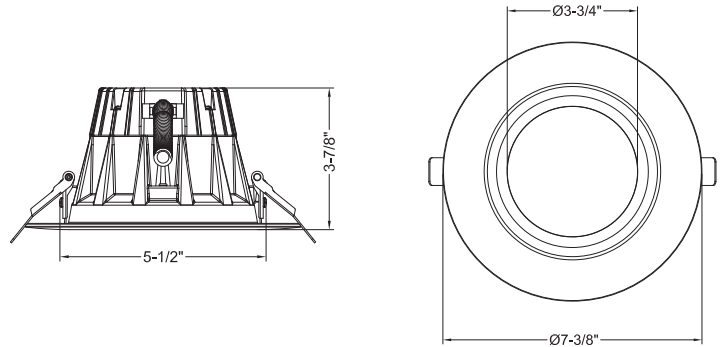
5. Push the kit until it sits flush against the ceiling. (Fig.14)

Fig: 14

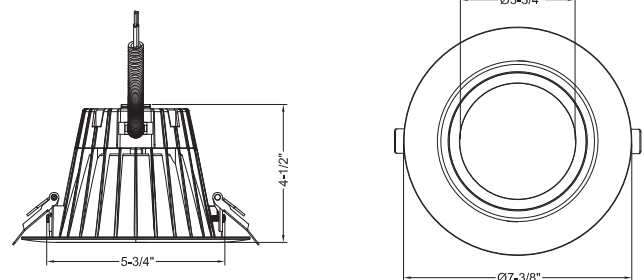


### DIMENSIONAL DRAWINGS

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