

# DLED6 INSTALLATION INSTRUCTIONS



Thank you for buying RAB lighting fixtures. Our goal is to design the best quality products to get the job done right. We'd like to hear your comments. Call the Marketing Department at 888-RAB-1000 or email: [marketing@rabweb.com](mailto:marketing@rabweb.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.

## SAFETY INSTRUCTIONS

**WARNING: Make certain power is OFF before installing or maintaining fixture. No user serviceable parts inside.**

**WARNING: 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.**

**WARNING: 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.**

**Only those open holes indicated in the photographs and/or drawings may be made or altered as a result of kit installation. Do not leave any other open holes in an enclosure of wiring or electrical components.**

## TORSION SPRING MOUNTING

DLED6 Retrofit unit is designed to fit nominal 6" **Existing Housings** using **Torsion Spring** or **Jam clips**. The fixture is provided with **Torsion Springs** installed (Fig.1). To mount into housings with torsion spring slots follow the steps below. RAB 6" Retrofit can be used in **Existing Housing** with opening of minimum 6" and maximum 6 <sup>3</sup>/<sub>4</sub>". See the list of compatible housing provided below.

1. Thread the **E26 Socket Adaptor** (Fig.3) connector into the **Existing Housing medium base socket**. (**GU24 Adaptor** available separately Cat. No. SAGU24).
2. Connect the **Ground Wire** on **DLED6** to the **Existing Housing**. Use #8 screw provided and secure to any **Existing Housing** hole or drill a new 1/8" diameter hole. (Fig.1 & 5)
3. Connect the orange **Wire Connector** of the **E26 Socket Adaptor** to the **DLED6** connector.
4. Squeeze the **Torsion Springs** into **Mounting Clips** of the **Existing Housing**. (Fig.4)
5. Carefully route all wires into the **Existing Housing** and push **DLED6** up flush to the ceiling surface. (Fig.5) Be careful not to pinch wires.

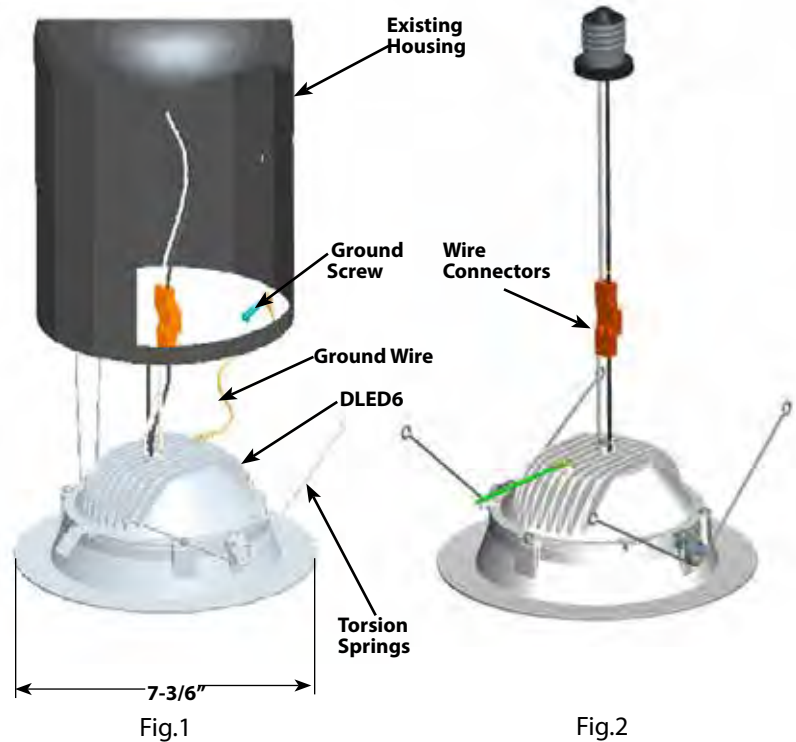


Fig.3

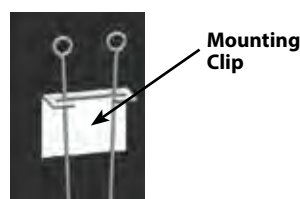


Fig.4

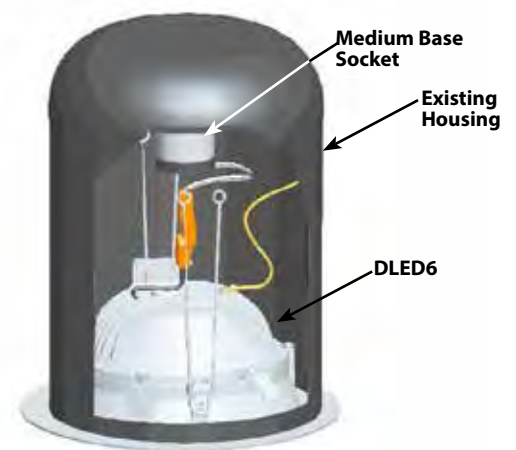


Fig.5

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## JAM CLIP MOUNTING (for housings without Torsion Spring bracket)

DLED6 Retrofit unit is designed to fit nominal 6" housings with **Torsion springs** or **Jam Clips**. To mount in housings without torsion spring slots follow the steps below. RAB 6" Retrofit can be used in **Existing Housing** with opening of minimum 6" and maximum 6 3/4". See the list of compatible housing provided below.

1. Remove the two **Torsion springs** from fixture and install three **Jam Clips** as shown in Fig.1.
2. Thread the **E26 Socket Adaptor** connector into the **Existing Housing** with a medium base socket. (**GU24 Adaptor** available separately Cat. No. ). (Fig.2)
3. Connect the **Ground Wire** on **DLED6** to the **Existing Housing**. Use #8 screw provided and secure to any **Existing Housing** hole or drill a new 1/8" diameter hole.
4. Connect the orange **Wire Connector** of the **Socket Adaptor** to **Fixture** connector .
5. Carefully route all wires into the **Existing Housing** and push **Fixture** up flush to the ceiling surface. (Fig.4)

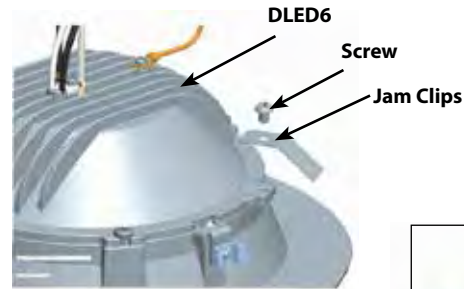


Fig.1



Fig.2

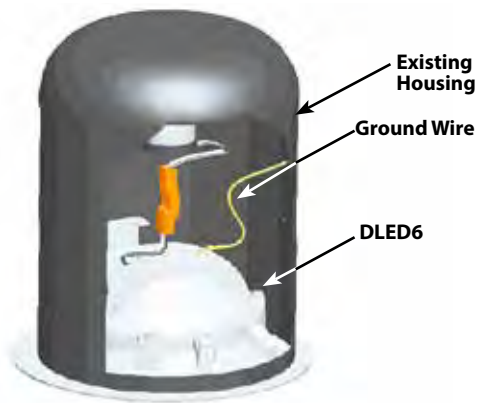


Fig.4

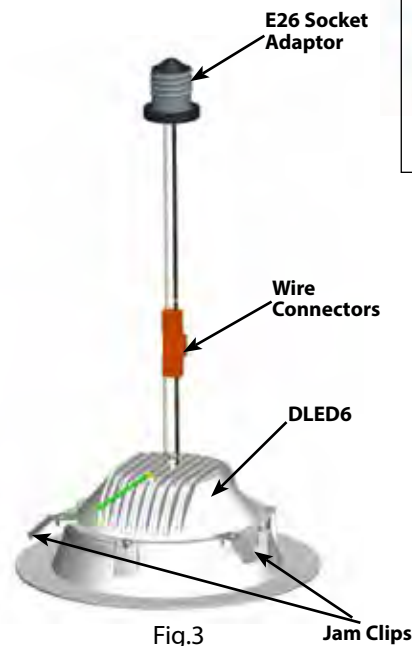


Fig.3

# DLED6 INSTALLATION INSTRUCTIONS

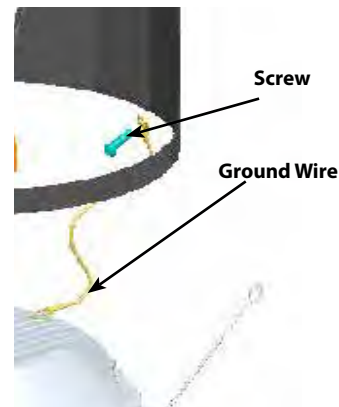
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## WIRING

**WARNING: To prevent wiring damage or abrasion, do not expose wiring to edges of sheet metal or other sharp objects.**

Fixture operates at 120V 60 Hz and can be dimmed with most forward phase incandescent dimmers. For a list of compatible dimmers see [www.rclighting.ca](http://www.rclighting.ca).

1. Screw in medium base socket adaptor.
2. Connect GROUND wire from DLED fixture to the existing housing with # 8 screw provided to any existing housing hole as shown or drill a new 1/8" diameter hole.
3. Plug in wire connector between socket adaptor and DLED6 fixture.



## UL CLASSIFIED FOR RETROFIT COMPATIBILITY

Check that the existing housing is one of the following compatible fixtures.

1. RAB Retrofit has E26 Edison screw-base.
2. RAB Retrofit has dedicated LED connector.
3. RAB 6" Retrofit can be used in existing housings with opening of minimum 6" and maximum 6 3/4". This fixture is UL Classified for retrofit in the following housings
  - Halo: Housing Series H25x, H7x, H27x, ET5x, ET7x, Ei7x, ET27x, EI27x. Halo H750ICAT, H750RICAT, H750T and H750TCP series recessed LED housings.
  - Juno: IC22, IC22R, IC22W, IC22S, IC23, IC23W, IC21, IC21R, TC2, TC2R, IC20, IC20R, IC25, IC25W, IC25S, TC20, TC20R
  - Capri: CR1, PR1, QL1, R9ASIC
  - Lightolier: 1104ICS, 11041CR, 1104SIC, 1104SICR, 10041CS, 10041CR, 1004SIC, 1004SICR
  - Progress: P87-AT, P86TG
  - Lithonia: L7X, L7XP
  - Thomas: PST, R9ASIC/PS9RM
  - Prescolite: IBXS
  - Commercial Electric: H3, H17, H18
  - Elco: EL71CA

## TROUBLESHOOTING

Check that the line voltage at fixture is correct.

1. Check that the socket adaptor is properly seated in the socket.
2. Do not attempt to modify the socket in any way.

## CLEANING & MAINTENANCE

**CAUTION: Be sure fixture temperature is cool enough to touch. Do not clean or maintain while fixture is energized.**

1. Clean lens & fixture with non-abrasive cleaning solution.
2. Do not open fixture to clean the LED. Do not touch the LED.

*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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### DLED6R8YY



All results are according to IESNA LM-79-2008 Approved Method for the Electrical and Photometric Testing of Solid-State Lighting. The U.S. Department of Energy (DOE) verifies product test data and results.

Visit [www.lightingfacts.com](http://www.lightingfacts.com) for the Label Reference Guide.

Registration Number: WYMA-VYKNE1 (6/18/2013)  
Model Number: DLED6R8YY  
Type: Surface-mounted downlight

### DLED6R8Y



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Visit [www.lightingfacts.com](http://www.lightingfacts.com) for the Label Reference Guide.

Registration Number: WYMA-ZMF1UW (6/18/2013)  
Model Number: DLED6R8Y  
Type: Surface-mounted downlight

### DLED6R8YN



All results are according to IESNA LM-79-2008 Approved Method for the Electrical and Photometric Testing of Solid-State Lighting. The U.S. Department of Energy (DOE) verifies product test data and results.

Visit [www.lightingfacts.com](http://www.lightingfacts.com) for the Label Reference Guide.

Registration Number: WYMA-TAVYU3 (6/16/2013)  
Model Number: DLED6R8YN  
Type: Surface-mounted downlight

### DLED6R12YY



All results are according to IESNA LM-79-2008 Approved Method for the Electrical and Photometric Testing of Solid-State Lighting. The U.S. Department of Energy (DOE) verifies product test data and results.

Visit [www.lightingfacts.com](http://www.lightingfacts.com) for the Label Reference Guide.

Registration Number: WYMA-CFVND1 (6/27/2013)  
Model Number: DLED6R12YY  
Type: Surface-mounted downlight

### DLED6R12Y



All results are according to IESNA LM-79-2008 Approved Method for the Electrical and Photometric Testing of Solid-State Lighting. The U.S. Department of Energy (DOE) verifies product test data and results.

Visit [www.lightingfacts.com](http://www.lightingfacts.com) for the Label Reference Guide.

Registration Number: WYMA-1TWEV2 (6/27/2013)  
Model Number: DLED6R12Y  
Type: Surface-mounted downlight

### DLED6R12YN



All results are according to IESNA LM-79-2008 Approved Method for the Electrical and Photometric Testing of Solid-State Lighting. The U.S. Department of Energy (DOE) verifies product test data and results.

Visit [www.lightingfacts.com](http://www.lightingfacts.com) for the Label Reference Guide.

Registration Number: WYMA-4L7YGM (6/27/2013)  
Model Number: DLED6R12YN  
Type: Surface-mounted downlight