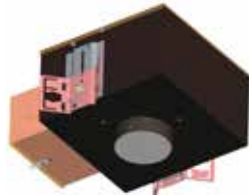


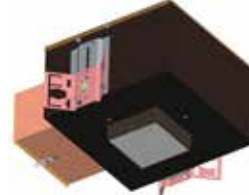
# NDICLED3 UNIVERSAL 3-POSITION LED FIXTURE DL/ADJ/WW FOR TRIMMED & TRIMLESS CEILING APPLICATIONS INSTALLATION INSTRUCTIONS

**RAB**  
LIGHTING

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)



NDICLED3R  
Cut-Out Diameter: 3.5"



NDICLED3S  
Cut-Out: 3.5" x 3.5"

## IMPORTANT

**NOTE: FIXTURE INSTALLATION CONSISTS OF (1) HOUSING, (1) OPTIC, & (1) TRIM ASSEMBLY**  
**READ CAREFULLY BEFORE INSTALLING FIXTURE. RETAIN THESE INSTRUCTIONS FOR FUTURE REFERENCE.**

**FIRE RISK: open top cover to remove foam packaging material before installation**

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.

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

**WARNING: Suitable for wet locations where the ambient temperature is 0°C minimum, +40°C maximum.**

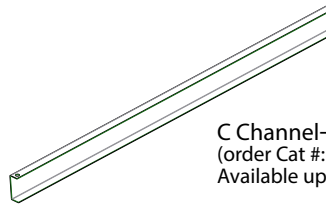
**WARNING: Suitable for installation in Non-Accessible and Accessible Ceilings.**

**WARNING: Suitable for installation in Insulated Ceilings & Non-Insulated Ceilings.**

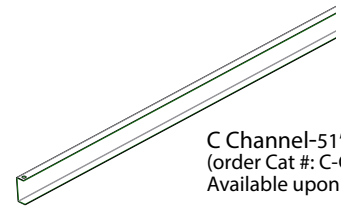
## MOUNTING BARS



Nailer Bar  
13" adjustable to 24"  
(provided with fixture)



C Channel-27"  
(order Cat #: C-Chan 27)  
Available upon request



C Channel-51"  
(order Cat #: C-Chan 51)  
Available upon request

## HOUSING ROUGH-IN INSTALLATION

1. Nailer bars are provided for use with wood joist installations. Insert through **Nailer Bar Slots** in **Butterfly Brackets** and secure accordingly. C-Channels are optionally available, consult factory. Consult local building codes for final support of fixture.
2. Remove appropriate **Knock out** on Junction box. Press **Clip** to remove the **Junction Box Cover**.
3. Feed the supply wires through **Knock out** hole and connect to the driver. Re-install **Junction Box Cover**. See wiring section for details.
4. The fixture can be adjusted to different heights above the **Ceiling** surface. For height adjustment, loosen the **Wing Nut** and slide the **Butterfly Bracket**. If necessary remove the **Wing Nut** and insert in screw in different hole provided on the **Butterfly Bracket**. (Fig: 2)
5. Adjust both the **Butterfly Brackets** such that the **Plaster Collar** of **Rough-In Section** is flush with the finished **Ceiling** surface. Tighten the **Wing nuts**.

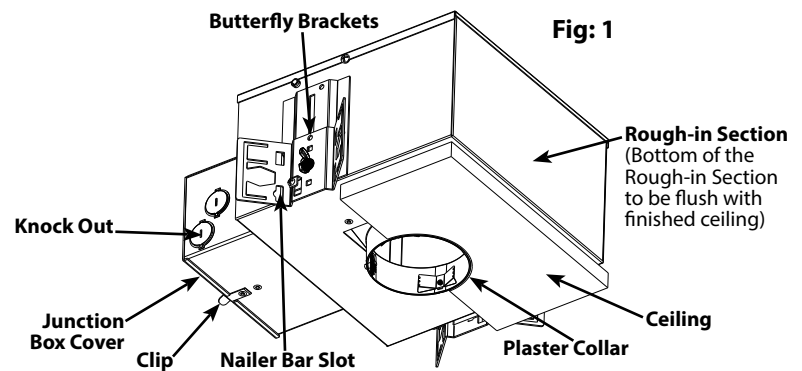


Fig: 1

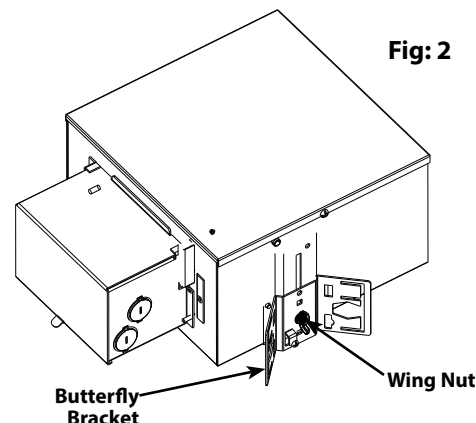


Fig: 2

RAB NDIC3 fixtures are IC rated allowing fixtures to be completely covered with insulation and also complies with ASTM E283 Energy Code Standard for minimum air leakage.

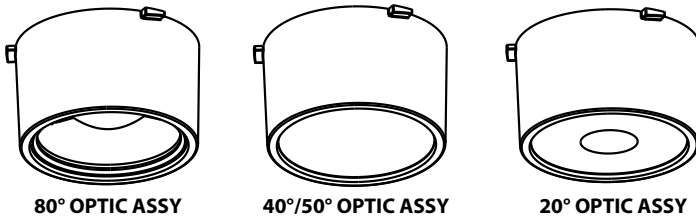
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## OPTIC HOLDER INSTALLATION (Fig. 3)

(3) INTERCHANGEABLE OPTIC ASSEMBLIES ARE AVAILABLE:



### Optic guide

Downlight trims: 80° or 50°

Adjustable trims: 40° or 20°

Wallwasher trims: *ONLY* 50°

1. To install **Optic Holder**, align each outer **Lock Tab** (3) to the three open slots (**Lock Tab Openings**) on housing **LED Heatsink Assembly** as shown with 3 bold arrows
2. Push up/in and twist clockwise until **Optic Holder** is secure
3. **LED Heatsink Assembly** may begin to rotate, but will come to a stop as **Optic Holder** is twisted into correct position

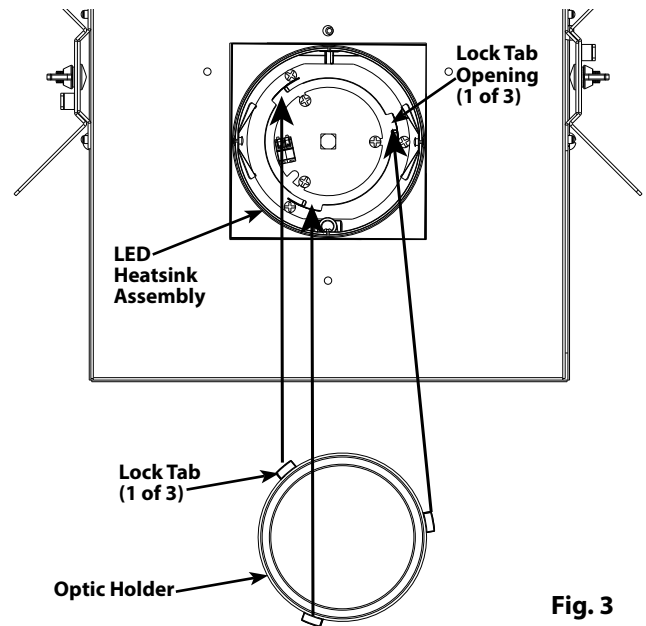


Fig. 3

## Positioning, Aiming, and Locking

**NDICLED3 ships preset in standard Downlight Position (Fig. 4). To make adjustments, a screwdriver with a maximum shaft diameter of 3/16" is required.**

1. Insert screwdriver into vertical lock screw **Snoot** and loosen screw until **Optic Assembly** begins to move
2. To set in **Wallwasher Position (Fig. 5)**, locate **Optic Assembly** over yellow highlighted indent and lock into place  
To set **Adjustable Position (Fig. 6)**, move **Optic Assembly** into desired position and lock into place
3. To ensure horizontal axis locking, see label in ceiling collar indicating lock location. Rotate **Optic Assembly** with screwdriver into desired position and tighten with thumb.

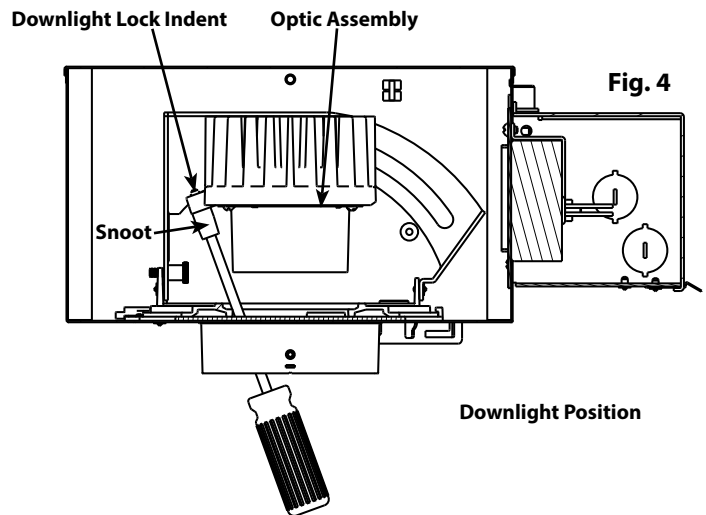


Fig. 4

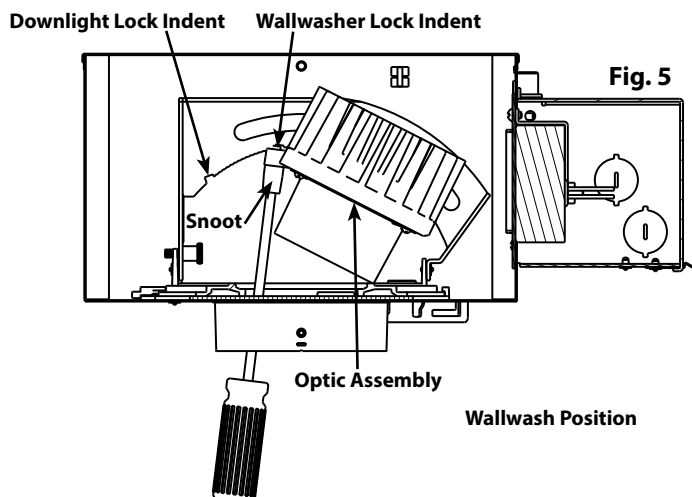


Fig. 5

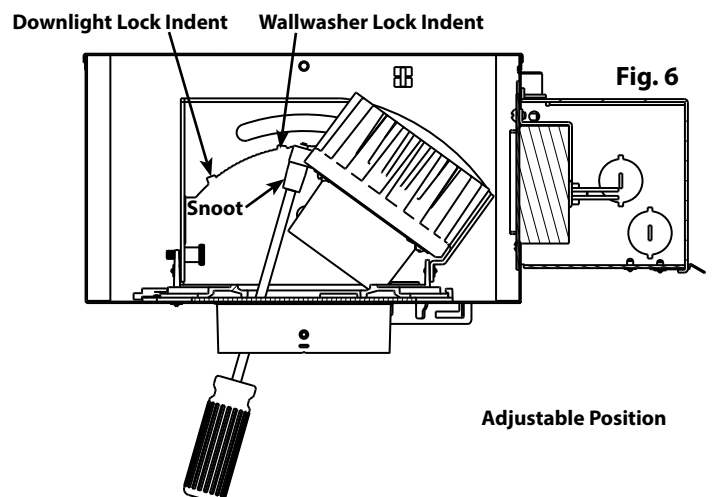


Fig. 6

# INDICLED3 UNIVERSAL 3-POSITION LED FIXTURE DL/ADJ/WW FOR TRIMMED & TRIMLESS CEILING APPLICATIONS INSTALLATION INSTRUCTIONS

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## TRIM CONE INSTALLTION

### TRIM: FLANGED TYPE

*For Wallwasher and Adjustable Trims Only. (Fig. 7)*

1. Position **Trim Cone** in center of fixture opening
2. Visually locate red **Trim Alignment Arrow** on fixture and red **Trim Alignment Label** on **Trim Cone**
3. Making sure the **Arrow** and **Label** face eachother, push **Trim Cone** up into fixture opening until **Trim Flange** is flush to **Sheet Rock**

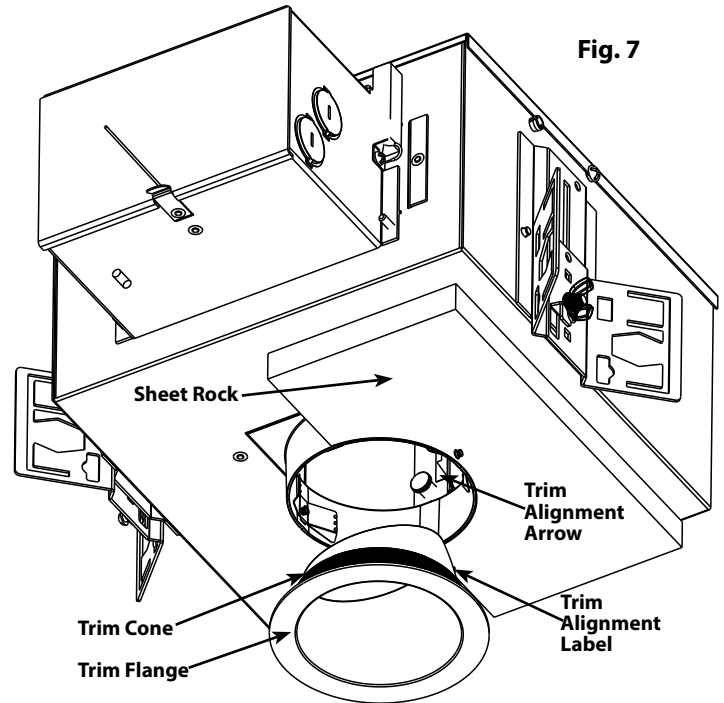


Fig. 7

### TRIMLESS: SHEETROCK ONLY

*Requires Spackle Flange Accessory TSF3R or TSF3S. (Fig. 8 & 9)*

1. Place **Spackle Flange** on **Ceiling** and align opening with **Ceiling** cutout and fixture opening
2. Carefully mark the screw hole openings on **Ceiling** and remove **Spackle Flange**
3. Use a 3/16" drill bit to drill **Ceiling**  
**NOTE: DO NOT DRILL HOLES DEEPER THAN THE CEILING THICKNESS**
4. Install 8x7/8" **Wall Anchors** (supplied) into **Ceiling**
5. Re-install **Spackle Flange** with **Countersunk Screws** (supplied)
6. Tape and spackle over **Spackle Flange** accordingly.  
*DO NOT ALLOW ANY JOINT COMPOUND OR DEBRIS INSIDE FRAME OPENING. ALWAYS KEEP DEBRIS COVER IN PLACE UNTIL TRIM INSTALLATION.*
7. Position **Trim Cone** in center of fixture opening
8. Visually locate red **Trim Alignment Arrow** on fixture and red **Trim Alignment Label** on **Trim Cone**
9. Making sure the **Arrow** and **Label** face eachother, push **Trim Cone** up into fixture opening until **Trim** is flush with **Ceiling**

Fig. 8

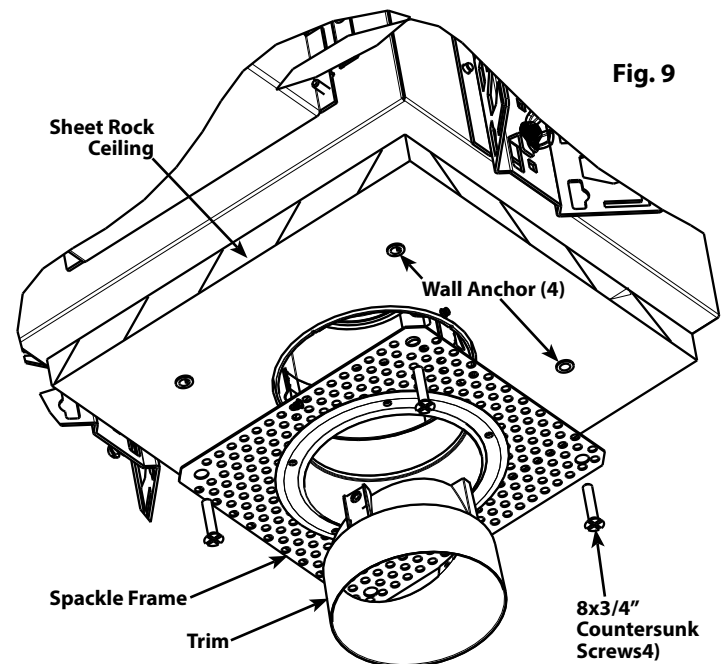
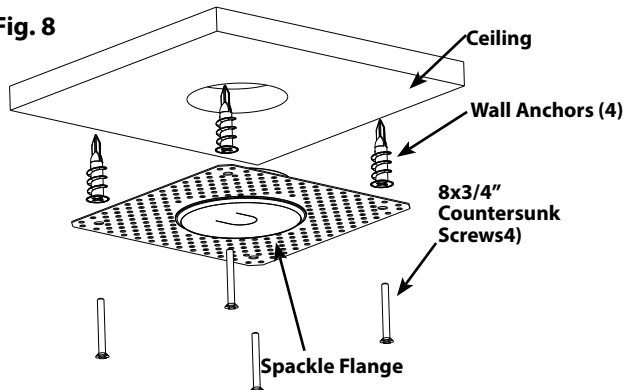


Fig. 9

# NDICLED3 UNIVERSAL 3-POSITION LED FIXTURE DL/ADJ/WW FOR TRIMMED & TRIMLESS CEILING APPLICATIONS

## INSTALLATION INSTRUCTIONS



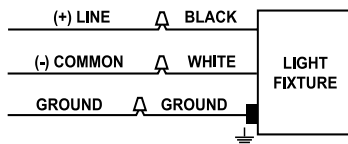
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### WIRING

**RISK OF FIRE.** Universal voltage driver permits operation at 120V thru 277V, 50 or 60 Hz.

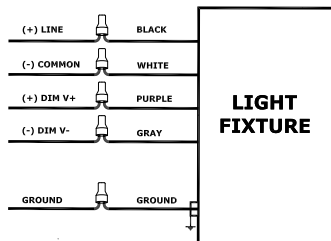
For Non-Dimming, Electronic Low Voltage (ELV) and Triac Dimming follow the wiring directions in **Fig. 10**.

1. Connect the GROUND wire from fixture to supply ground
2. Connect the black fixture lead to the (+) LINE supply lead
3. Connect the white fixture lead to the (-) COMMON supply lead



**Fig: 10**

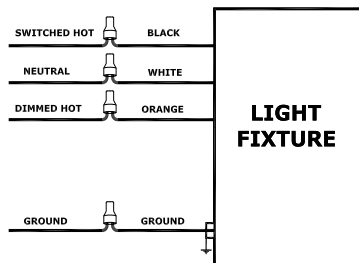
For 0-10V dimming (**Fig. 11**).



**Fig: 11**

Lutron L3D Hi-Lume series drivers work with Lutron 3-Wire Control (**Fig. 12**)

**Note:** See [www.lutron.com](http://www.lutron.com) for complete instructions and functional compatibility of Lutron drivers with Lutron or other control systems/ dimmers.



**Fig: 12**

### CLEANING & MAINTENANCE

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

1. Do not open fixture to clean the LED. Do not touch the LED.
2. Do not touch reflector, lens or trim cone.
3. Do not clean any fixture surface with wood base cleaning material such as paper towels or tissues. Only use microfiber cleaning cloth.

### TROUBLESHOOTING

1. Check that the line voltage at the fixture is correct. Refer to wiring directions.
2. Is the fixture grounded properly?

*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. RAB cannot troubleshoot Lutron systems and have provided only basic information. See [www.lutron.com](http://www.lutron.com) for complete instructions and functional compatibility of Lutron Drivers with Lutron or other Control systems/dimmers.*

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## DIMENSIONAL DRAWINGS

### NDICLED3R

### NDICLED3S

