

# 2 SERIES ZERO-SIGHTLINE

## RECESSED LED LUMINAIRE ROUTER TOOL GUIDE

### INSTALLATION

Before beginning any DOWNLIGHT installation, disconnect electrical power at main switch or circuit breaker.

#### A. CAUTION

To reduce the risk of fire, electric shock, and potential damage to recessed housing assembly when electrical power is re-connected, DO NOT ATTEMPT TO CONNECT the following on branch circuit serving recessed downlight assembly:

- Motors
- Power tools
- Extension cords
- Appliances or similar electronics

Fixtures to be mounted in ceiling/plenum conditions *where ambient temperatures do not exceed 40°C.*

Lucifer Lighting LED housings must be used with Lucifer Lighting LED downlights.

Ensure AC input voltage is protected against surges & load shifts prior to power supply input.

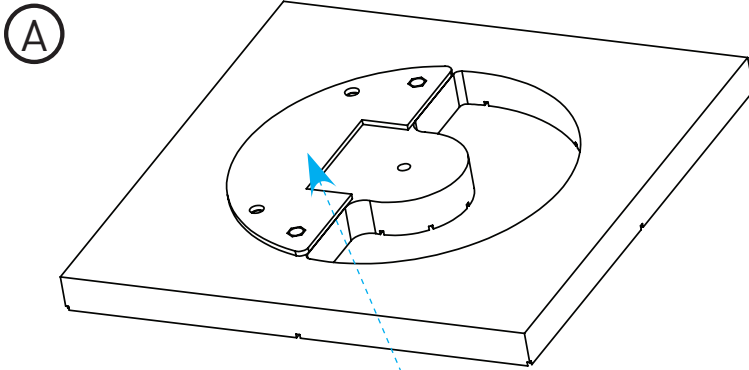
#### B. SAFETY INSTRUCTIONS

1. Read installation instructions completely before attempting installation.
2. Failure to follow instructions may result in improper installation and void warranty.
3. Contact Lucifer Lighting Company with any questions or concerns before beginning any installation.
4. Ensure qualified electrician will perform all electrical procedures.
5. Disconnect electrical power circuit before attempting to install recessed downlight housing or trim, or if adding to or changing configuration of downlight housing or trim assembly.

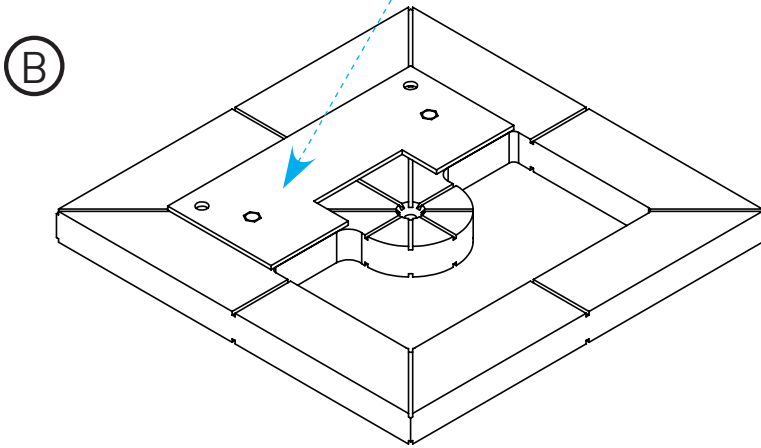
6. Install/ mount recessed downlight housing on structurally sound surface.  
Recessed downlight housings may be installed in dry or damp locations only.
7. Do not install recessed downlight assembly closer than 6" (152mm) from curtains, exotic veneers, or similar combustible or heat sensitive materials.
8. **CAUTION:**  
Installation involves the use of power tools. Before installation, make sure that you are experienced in working with all of the following:
  - Power drill
  - Plunge router
  - Hole saw
- 9.

## C. ROUTER TOOL GUIDE INSTALLATION

### 1) KEY COMPONENTS



alignment insert



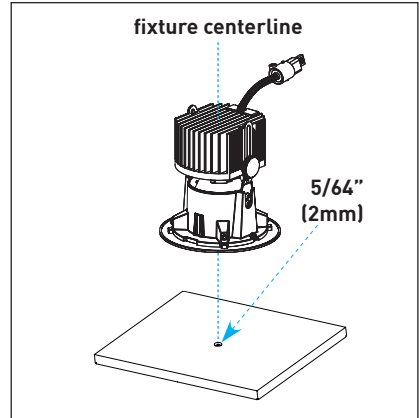
#### PARTS IDENTIFICATION

	<u>Description</u>	<u>Part ID</u>
or	DLA-RTG-2S-RD Round Router Tool Guide	A
	DLA-RTG-2S-SQ Square Router Tool Guide	B

## 2) FASTEN ROUTER TOOL GUIDE

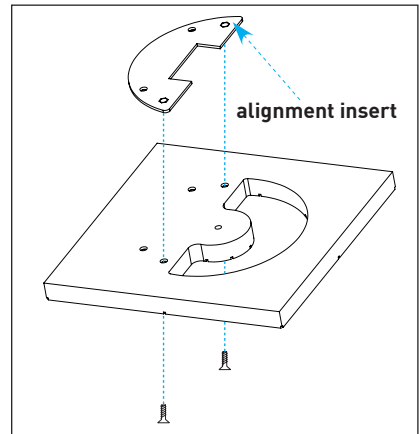
**Note:** It is recommended to perform the following installation method on a test piece of wood to become familiar with the process and to verify that the plunge router depth is set accurately, prior to proceeding to an actual fixture location.

Locate the center of the fixture and drill a 5/64" (2mm) pilot hole (*Fig.1*).



*Fig.1*

Remove alignment insert from the template using a #1 Phillips head screwdriver, making sure to reserve insert and screws for later step (*Fig.2*).

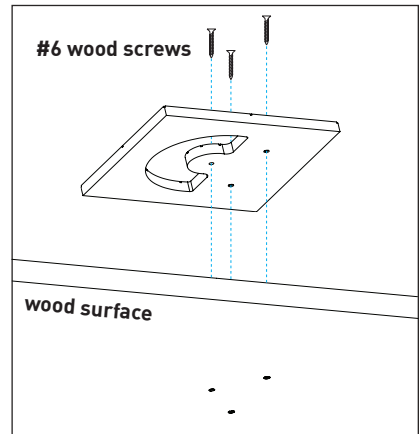


*Fig.2*

Place the smooth side of the template against the wood surface, aligning the center mounting hole with the pilot hole. Attach template loosely with a #6 wood screw, using alignment grooves to properly position unit (*Fig.3*).

Tighten center screw and then tighten other two template mounting screws.

**Note:** Hardness of wood may require pilot holes be drilled for template mounting screws, ensuring proper alignment before drilling.



*Fig.3*

### 3) REMOVE WOOD MATERIAL

Using plunge router with depth set per test sample, insert into interior portion of template and remove material to required depth, ensuring that the router base is kept level with the template (Fig.4).

Remove template from ceiling.

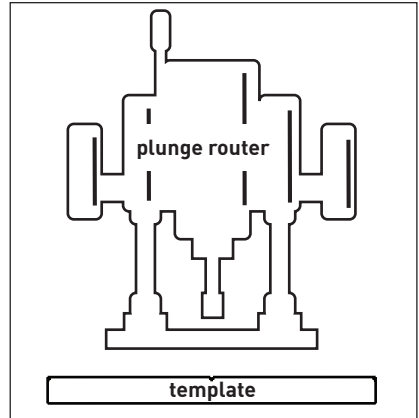


Fig.4

**Note:** For square trim installations, use a sharp utility knife to score wood, forming two square corners. Then, use a sharp wood chisel to remove the remaining material to the same depth (Fig.5).

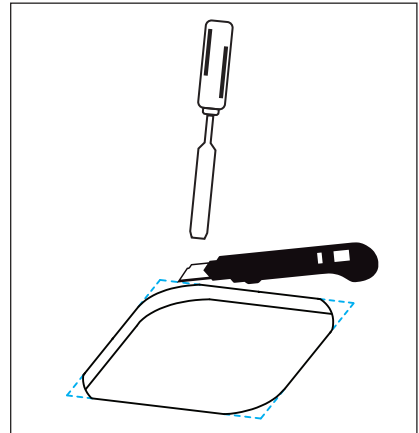


Fig.5

Reattach alignment insert to flat side of template, using reserved screws from prior step (Fig.6).

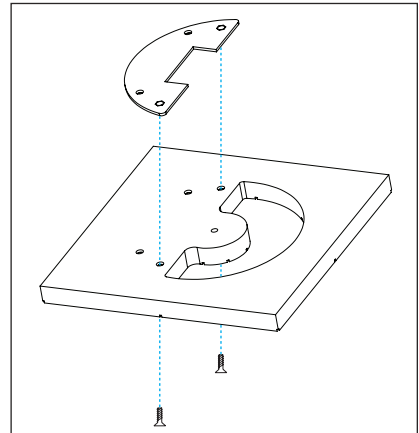
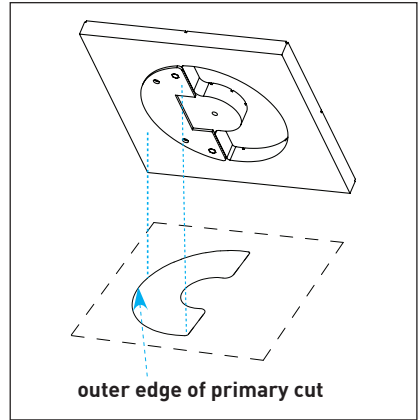


Fig.6

With template rotated 180°, position alignment insert into the dado cut, ensuring that it seats firmly against the outer edge of the primary cut (*Fig.7*).

Insert center mounting screw and tighten.

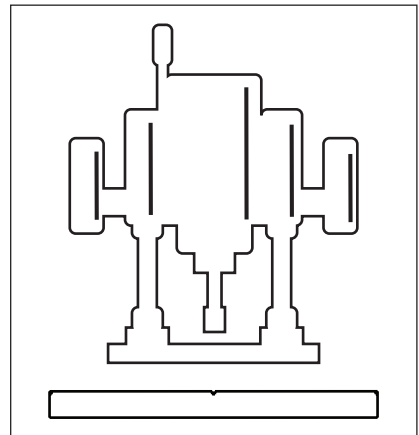
Verify alignment and insert remaining template mounting screws.



*Fig.7*

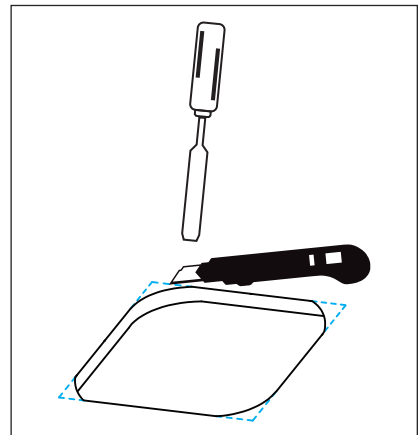
Use plunge router to remove material to required depth, ensuring that the router base is kept level with the template (*Fig.8*).

Remove template from ceiling.



*Fig.8*

**Note:** For square trim installations, use a sharp utility knife to score wood, forming two square corners. Then, use a sharp wood chisel to remove the remaining material to the same depth (*Fig.9*).



*Fig.9*

## 4) DRILL THROUGH HOLE

**Note:** Prior to drilling through hole, ensure that dado is cut to sufficient depth.

### Remodel Installations:

Cut a hole using a 3.625" (92mm) hole saw, centered on the pilot hole (**Fig.10**).

Refer to Page 10 of the 2-Series Installation Guide and proceed with the installation of the driver and trim.

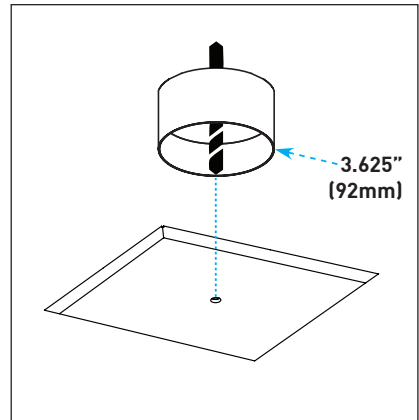


Fig.10

### Housing Installations:

Cut a hole using a 3.75" (95mm) hole saw, centered on the pilot hole (**Fig.11**).

Adjust housing collar down and level with dado cut (**Fig.12**). Refer to Page 5 of the 2-Series Installation Guide for collar adjustment instructions.

Refer to Page 11 of the 2-Series Installation Guide and proceed with the installation of the trim.

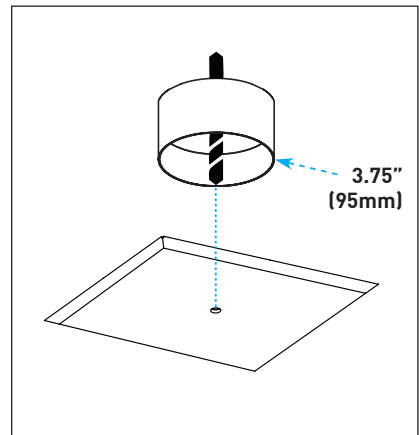


Fig.11

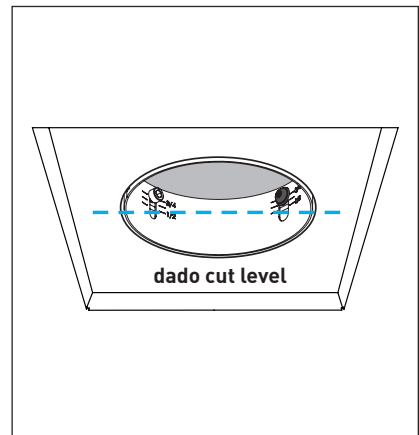


Fig.12

**Note:** With proper care, the template should be suitable for many uses. Replace worn or damaged template to ensure satisfactory installation.

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**LUCIFER**  
LIGHTING COMPANY

3750 IH 35 North

San Antonio, Texas 78219 USA

[PH] +1 210 227 7329

[FAX] +1 210 227 4967

[www.luciferlighting.com](http://www.luciferlighting.com)

[productsupport@luciferlighting.com](mailto:productsupport@luciferlighting.com)