

# BeveLED<sup>®</sup> Trimless

## HOUSING INSTALLATION

### Downlight

### Accessible / Non-Accessible Ceilings

**CAUTION READ BEFORE INSTALLATION:**

- Power must be off before installing fixture.
- Fixtures must be installed in applications where the ambient temperature does not exceed 40°C during normal operation.
- **DO NOT** install fixtures in high humidity environments.
- **Not** for use in environmental air handling spaces damp listed.
- **DO NOT** connect or disconnect LED board wire connector when fixture is energized, as this may result in permanent damage to the LED array.
- **DO NOT** install in acoustical tile ceilings.

**Installation for BeveLED Trimless housings:**

**BeveLED Round:** LRLD4-9010-C1 - Downlight, 10W LED  
 LRLD4-9020-C1 - Downlight, 20W LED

**BeveLED Square:** LSLD4-9010-C1 - Downlight, 10W LED  
 LSLD4-9020-C1 - Downlight, 20W LED

**Ceiling Cutout:**  
 Round: 5"Ø, Square: 5" x 5"

**ALL-WAYS SQUARE APERTURE COLLAR ADJUSTMENT:**

**NOTE:**

- All-Ways Square housings (square trims only) allow job site aperture plate adjustment after housings have been installed insuring parallel trim installations.
- Aperture is factory set to 0° rotation.
- Rotational alignment of the aperture plate must be completed prior to ceiling installation.

**HOUSING INSTALLATION:**

1. Mount fixture housing in typical gypsum board ceiling.
  - C-channels are optionally available.
  - Nailer bars are supplied for gypsum installations.
 To install nailer bars, slide bars thru slots in butterfly brackets and lock in place with 8-32 screw.

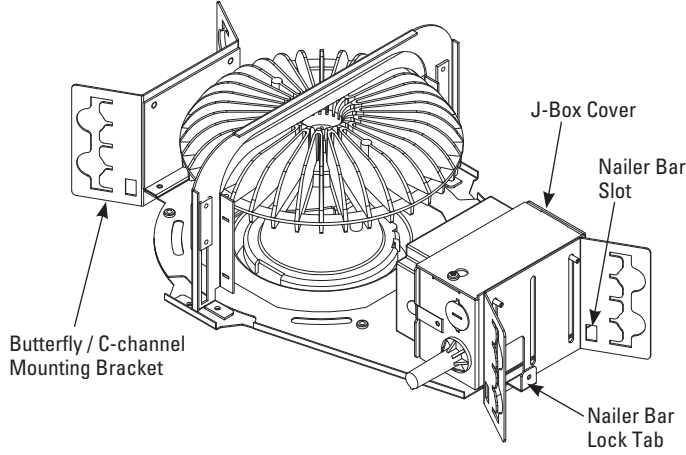
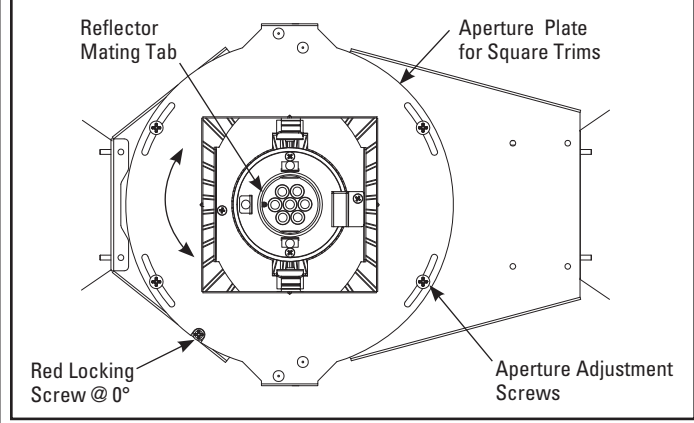
**STEPS TO ADJUST THE APERTURE:**

**Note that the aperture plate is supplied with center line notches to aid in the alignment.**

2. Remove the red locking screw and loosen the (4) aperture adjustment screws.
3. Rotate the aperture plate to the desired position and tighten the (4) aperture screws.
4. Discard red locking screw.

\*See **IMPORTANT** note below

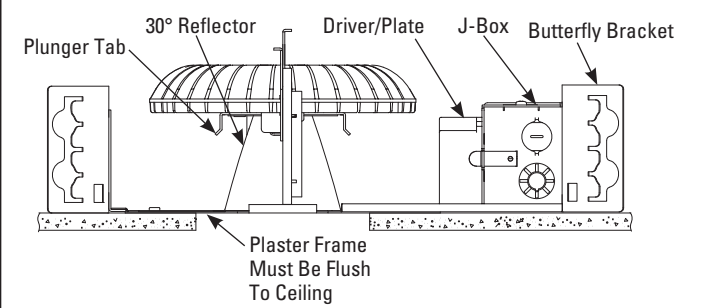
2. Install power cable conduit to J-box.
3. Make power supply connections in housing J-box compartment and re-install J-box cover.



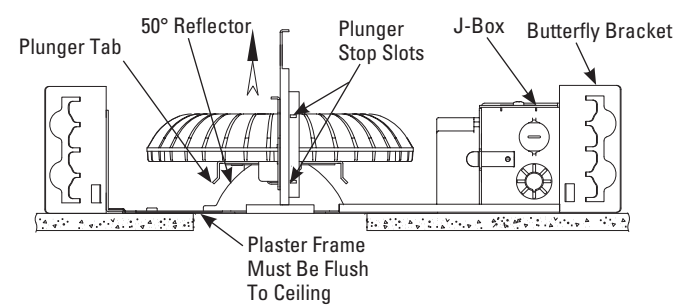
**\*IMPORTANT:**

During installation plaster frame must be set flush to ceiling.

**NOTE: Butterfly brackets must be reset for gypsum board ceilings when installing for trimless application.**



**30° DOWNLIGHT:**  
 For Gypsum Board ceiling installation.



**50° DOWNLIGHT:**  
 For Gypsum Board ceiling installation

# BeveLED<sup>®</sup> Trimless

## HOUSING INSTALLATION

### Downlight

### Accessible / Non-Accessible Ceilings

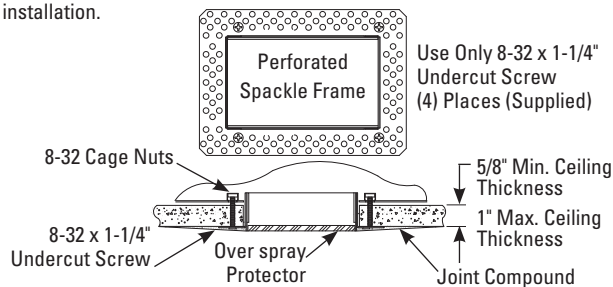
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### SPACKLE FRAME INSTALLATION:

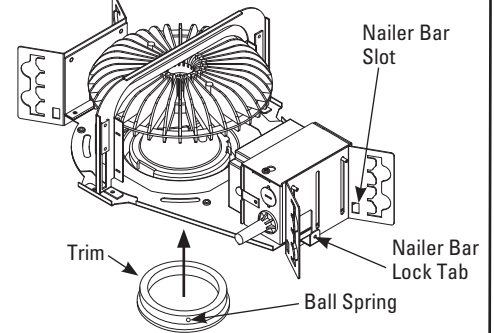
**Note:** The spackle frames are directional and must be installed and oriented correctly prior to spackling. See direction aiming note on spackle frame.

1. Using the cutout template supplied mark the mounting holes on the ceiling to ensure alignment to fixture cage nuts.
2. Using a 1/4" diameter bit, carefully drill the mounting holes through ceiling depth only. (Do not drill into fixture and cage nuts).
3. Position spackle frame into aperture hole, install utilizing the (4) 8-32 x 1-1/2" undercut screws.
  - Round frames have splines to align with keyways in plaster frame
  - Square frames self align with aperture cutout in plaster frame
4. Ensure that the spackle/overspray protector is in place.
5. Apply joint compound over plaster frame and feather out accordingly.
6. Once the ceiling has been sanded and painted, remove the overspray protector. See trim installation.



### TRIM INSTALLATION:

1. It is recommended that when ceiling installation is completed including all sanding and painting, the overspray protective insert can be removed.
2. Install trim assembly by pushing into spackle frame engaging ball spring plungers.



### DIMMING DRIVER WIRING SCHEMES:

#### DIM 2 LED: 0-10V 3-Wire FL Dimming Driver Wiring

**NOTE:** Consult dimmer manufacturer for detailed information.

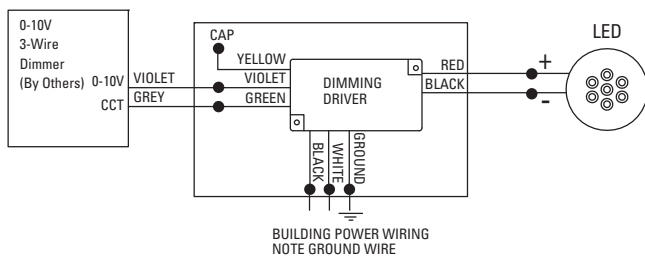
For use with 0-10V 3-wire fluorescent type controls.

Use only with approved vendor models:

Lutron: DIVA DVTV-XX XX=Color

Leviton: IP710-DLX

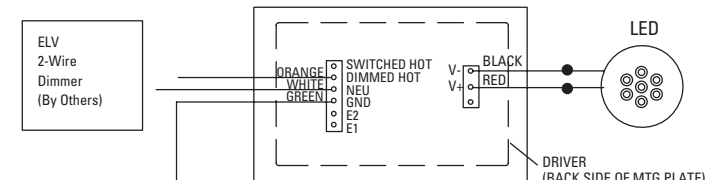
Lightolier: V2000FAMU



#### DIM 3 LED: HI-Lume/Lutron LED Dimming Driver Wiring

Consult dimmer manufacturer for detailed information

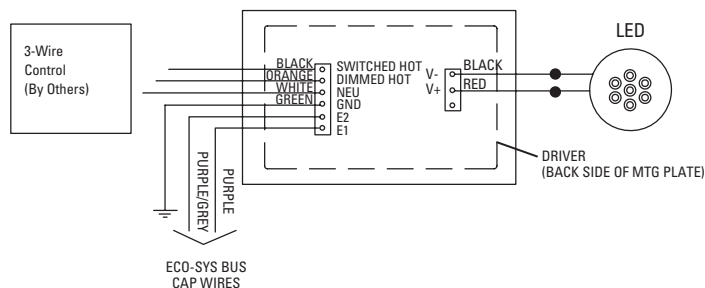
Wire Diagram for 2-Wire Control



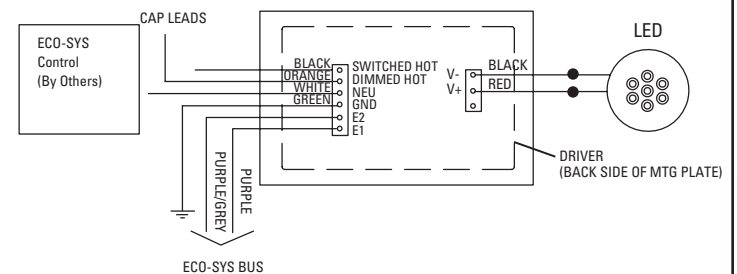
#### DIM 4 LED: HI-Lume/Lutron Eco-Sys A-Series LED Dimming Driver Wiring

Consult dimmer manufacturer for detailed information

Wire Diagram for 3-Wire Control



Wire Diagram for ECO-SYS Digital Control



# BeveLED®

## Downlight

### Light Engine Replacement Instructions

## CAUTION READ BEFORE INSTALLATION:

- Power must be off before replacing light engine.

### BeveLED light engine replacement in downlight C1 series:

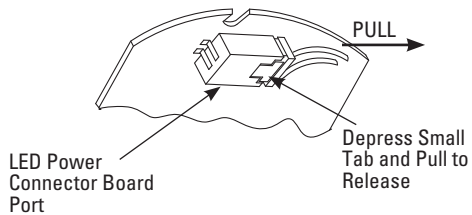
<b>SQUARE:</b>	<b>Trim</b>	<b>Trimless</b>	<b>ROUND:</b>	<b>Trim</b>	<b>Trimless</b>
<b>Downlight (10W)</b>	<b>LSTD4-9010-C1</b>	<b>LSTD4-9010-C1</b>	<b>Downlight (10W)</b>	<b>LRTD4-9010-C1</b>	<b>LRLD4-9010-C1</b>
<b>(20W)</b>	<b>LSTD4-9020-C1</b>	<b>LRTD4-9020-C1</b>	<b>(20W)</b>	<b>LRTD4-9020-C1</b>	<b>LRLD4-9020-C1</b>

### TO REMOVE LIGHT ENGINE:

1. With trim removed, carefully pull down and remove reflector.
2. Unfasten reflector ring screws (2) and conduit bracket screws (1) and remove reflector ring and conduit bracket.
3. Next disconnect LED power connector and let hang.

#### LED BOARD POWER DISCONNECT INSTRUCTIONS:

Depress small tab on LED power connector board port. While tab is depressed - pull to release.



4. Remove 4-40 screws (2) securing light engine and carefully remove from heat sink. **DO NOT PULL ON LENS.**

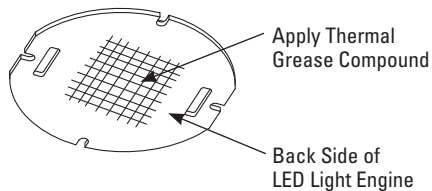
### TO RE-INSTALL LIGHT ENGINE:

1. Apply thermal compound (supplied) to bottom side of light engine board.

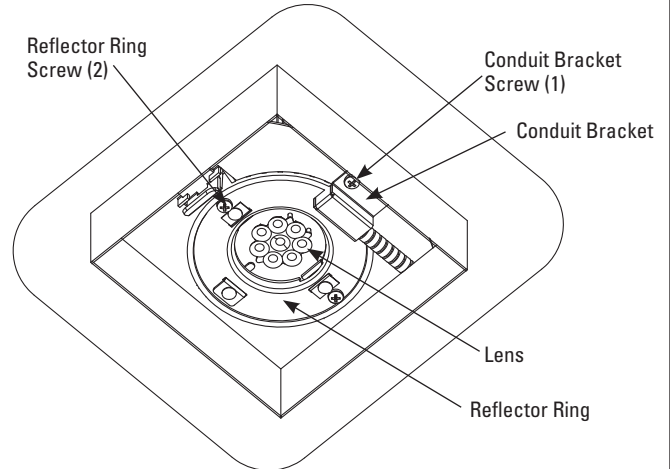
#### IMPORTANT

Light Engines must have a thermal compound applied to back side of LED light engine printed circuit board.

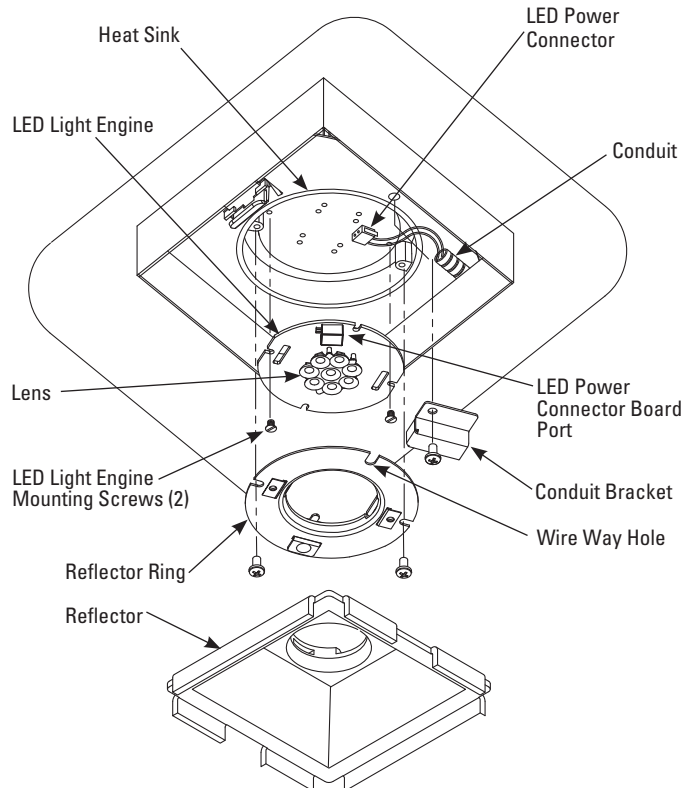
**DO NOT INSTALL WITHOUT THERMAL COMPOUND.**



2. Replace light engine securing with 4-40 screws.
3. Reconnect power.
4. Replace reflector ring and conduit bracket - securing with 3 conduit bracket screws.
5. Carefully replace reflector and then trim.



**APERTURE COLLAR VIEW**



**EXPLODED VIEW**

# BeveLED®

## Adjustable 30° / Adjustable 40° / Wall Wash Light Engine Replacement Instructions

**CAUTION READ BEFORE INSTALLATION:**

- Power must be off before replacing light engine.

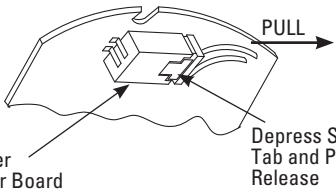
### BeveLED light engine replacement in adjustable 30° / adjustable 40° / wall wash - C1 series:

SQUARE:			ROUND:		
	Trim	Trimless		Trim	Trimless
Adj. 30°	(10W)	LSTA4-8310-C1	Adj. 30°	(10W)	LRTA4-8310-C1
	(20W)	LSTA4-8320-C1		(20W)	LRTA4-8320-C1
Adj. 40°	(10W)	LSTA4-8410-C1	Adj. 40°	(10W)	LRTA4-8410-C1
	(20W)	LSTA4-8420-C1		(20W)	LRTA4-8420-C1
Wall Wash	(10W)	LSTW4-6010-C1	Wall Wash	(10W)	LRTW4-6010-C1
	(20W)	LSTW4-6020-C1		(20W)	LRTW4-6020-C1

### TO REMOVE LIGHT ENGINE:

1. With trim removed, carefully pull out and remove glare shield.
2. Unfasten glare shield mounting ring screws (2) and remove.
3. Next disconnect LED power connector and let hang.

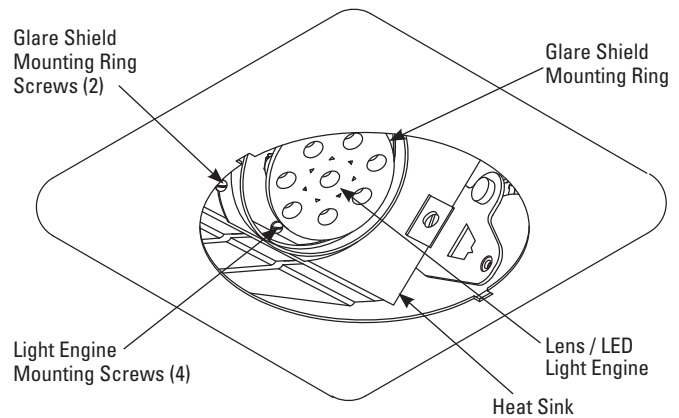
**LED BOARD POWER DISCONNECT INSTRUCTIONS:**  
Depress small tab on LED power connector board port. While tab is depressed - pull to release.



LED Power Connector Board Port

Depress Small Tab and Pull to Release

PULL



**APERTURE COLLAR VIEW**  
(Shown Without Glare Shield)

4. Remove 4-40 screws securing light engine and carefully remove from heat sink. **DO NOT PULL ON LENS.**

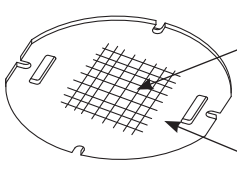
### TO RE-INSTALL LIGHT ENGINE:

1. Apply thermal compound (supplied) to bottom side of light engine board.

**IMPORTANT**

Light Engines must have a thermal grease compound applied to back side of LED light engine printed circuit board.

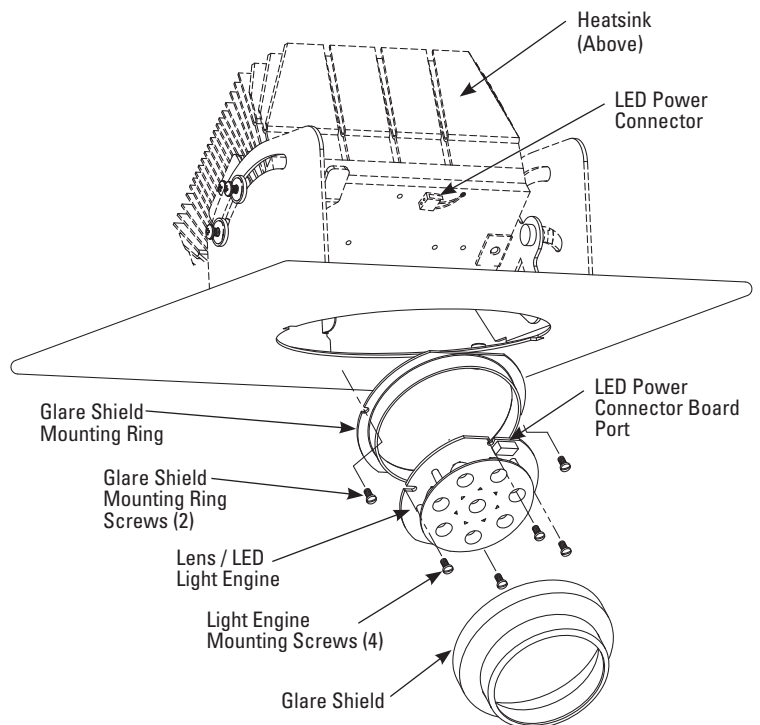
**DO NOT INSTALL WITHOUT THERMAL COMPOUND.**



Apply Thermal Grease Compound

Back Side of LED Light Engine

2. Replace light engine securing with 4-40 screws.
3. Reconnect power.
4. Replace glare shield mounting ring - securing with 2 screws.
5. Replace trim.



**EXPLODED VIEW**