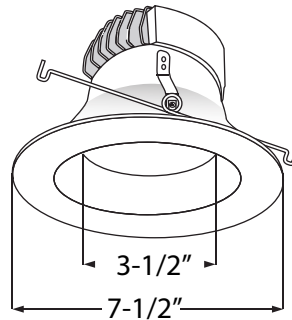




DIMENSIONS



WARM DIM

USE OF PRODUCT

The Versatrim® RFL4 Series is the ideal product for energy efficient lighting in existing, remodel, or new construction housings. This product may be used in hospitality, health care, commercial, retail, and residential applications. The Versatrim will reduce energy consumption, emits little heat, and reduces cooling loads for added costs savings. Approximately 75% in energy savings compared to incandescent light source.

VERSATRIM® FEATURES

- Color Temperature: 2700K, 3000K, 3500K, or 4000K
- Color Rendering Index: 93+ CRI Typical
- SDCM: 2 Step binning
- R9 Value: 85
- LED Life: 50,000 hours
- LED Type: Cree LED for maximum light output
- Versatility: Interchangeable baffle, reflector, and trim ring in round and square
- EM Battery: 90 min, 800 lumens only
- Warranty: 5 Year Limited Warranty
- Wet Location Certified

LED DRIVER

Standard Triac/ELV or optional 0-10V driver provides high power factor with the optimum thermal management to prevent damage caused by high temperature. Driver protections include: output open load, over-current and short circuit, and over temperature with auto recovery.

DIMMING

Available in 8 driver selections. Standard Triac/ELV, 120V. (018) 0-10V dimming in 800 delivered lumens, 120-277V. (PEQ0) Lutron Hi-Lume Premier Ecosystem 0.1% w/soft on, fade to black dimming, 120-277V. (LDE1) Lutron Hi-Lume 1% Ecosystem with soft on, fade to black dimming, 120-277V. (LTE) Hi-Lume 1% 2-wire, 120V (L3DA) Hi-lume 1% EcoSystem/3-Wire L3D Driver (EEI) eldoLED Eco 1% Dim (0-10V), 120-277V. (EDIO) eldoLED Solo 0.1% Dim (0-10V), 120-277V. (EDID) eldoLED Solo 0.1% Dim (DALI), 120-277V.

ELECTRICAL CONNECTION

LED module quick connect allows easy connection to Rayon LED housing. Optional edison screw base or GU24 adaptor available for retrofit applications.

EMERGENCY BATTERY

Optional emergency battery with up to 90 minute illumination time. 800 delivered lumens only.

MOUNTING

Torsion springs supplied for convenient mounting to existing, remodel, or new construction housing.

MODULE MECHANICS

The RFL4 Series is constructed of durable heat sink, baffle/reflector, trim ring, diffused lens and Cree LEDs for

optimum performance. Interchangeable round or square baffle, reflector, and trim ring are designed for convenient color selection and replacement in the field. Diffused, polycarbonate, impact-resistant lens provides for even light output, glare control, and conceals LEDs from view

LABELS/COMPLIANCE

- CSA Classified for wet location
- LM79 and LM80
- Can be used for state of California Title 24 compliance
- JAB Certified

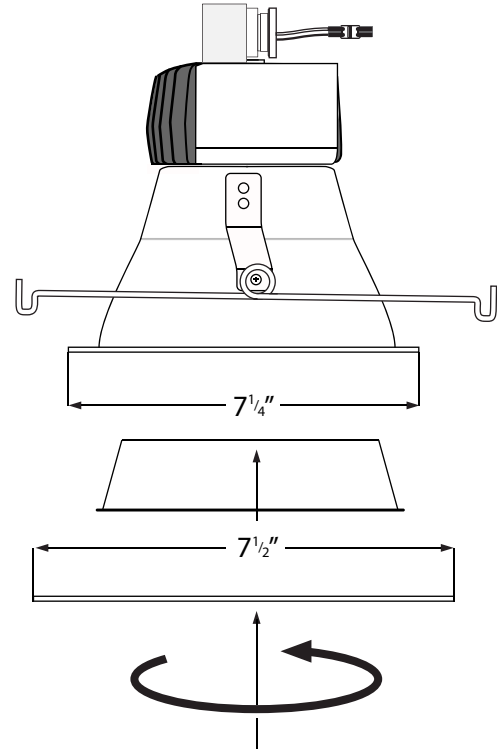
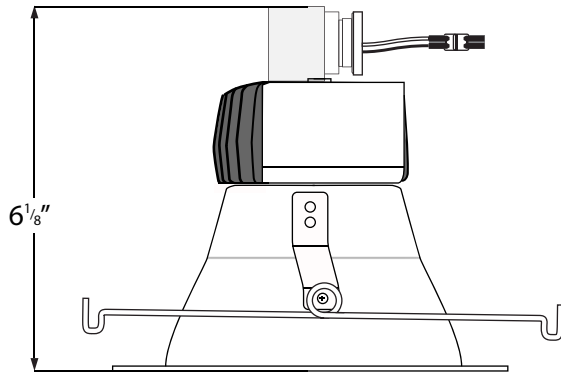


ORDERING INFORMATION

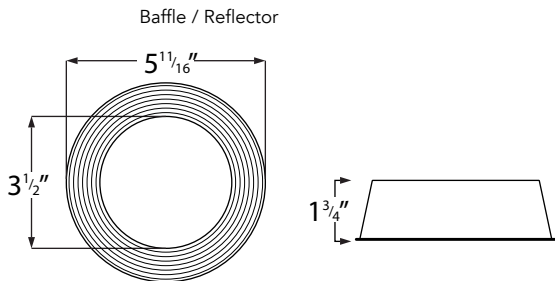
Series	Lumens	Color Temp.	Dimming	Baffle	or	Reflector	Trim	Option
RFL6	8L - 800lm	WD - Warm Dim (1800K-3000K)	Leave blank - Triac/ELV 018 ¹ - 0-10V Dimming (800 lumens) PEQ0 ^{1,2} - Lutron Hi-Lume Premier Ecosystem 0.1% w/soft on, fade to black dimming LDE ^{1,2} - Lutron Hi-Lume 1% Ecosystem with soft on, fade to black dimming LTE ^{1,2,3} - Hi-Lume 1% 2-wire L3DA ^{1,2} - Hi-lume 1% EcoSystem/3-Wire L3D Driver EEI ^{1,2,4} - eldoLED Eco 1% Dim (0-10V) EDIO ^{1,2,4} - eldoLED Solo 0.1% Dim (0-10V) EDID ^{1,2,4} - eldoLED Solo 0.1% Dim (DALI)	Round				SBA - Screw base adapter (Included) G-24 - GU24 adapter 277SDT ¹ - 277V Step down transformer 347SDT ¹ - 347V Step down transformer EM ¹ - Emergency back-up
				6BLW - White 6BLSN - Satin Nickel 6BLC - Copper 6BLB - Black 6BLBZ - Bronze	or	6RLW - White 6RLCH - Chrome 6RLSN - Satin Nickel 6RLC - Copper 6RLB - Black 6RLBZ - Bronze 6RLH - Haze 6RLCX - Custom	6TLW - White 6TLSN - Satin Nickel 6TLC - Copper 6TLB - Black 6TLBZ - Bronze 6TLH - Haze 6TLCX - Custom	
RFL6	8L - 800lm	WD - Warm Dim (1800K-3000K)		Square				
				6SBLW - White 6SBLB - Black	or	6SRLW - White 6SRLB - Black 6SRLH - Haze 6SRLSN - Satin Nickel 6SRLCH - Chrome 6SRLBZ - Bronze 6SRLCX - Custom	6STLW - White 6STLB - Black 6STLH - Haze 6STLSN - Satin Nickel 6STLCH - Chrome 6STLBZ - Bronze 6STLCX - Custom	

Note:
 1. Requires dedicated housing.
 2. Requires ceiling access
 3. 120V only.
 4. Must specify logarithmic or linear eldoLED driver.

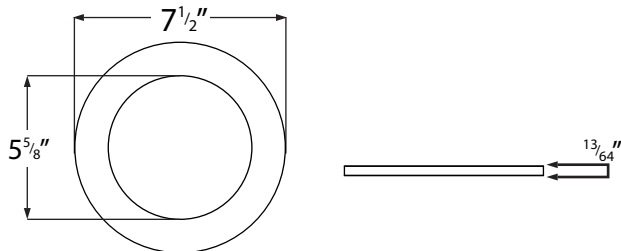
RETROFIT DIMENSIONS



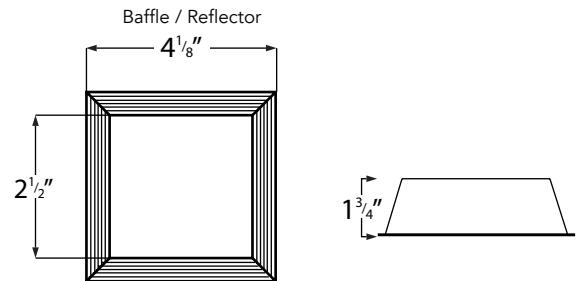
ROUND



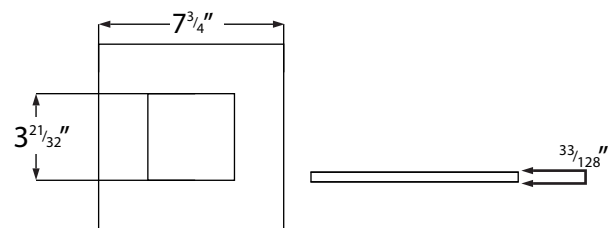
Trim



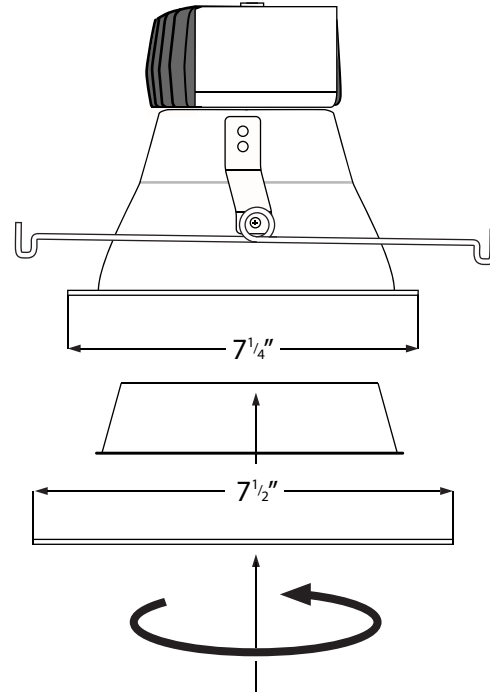
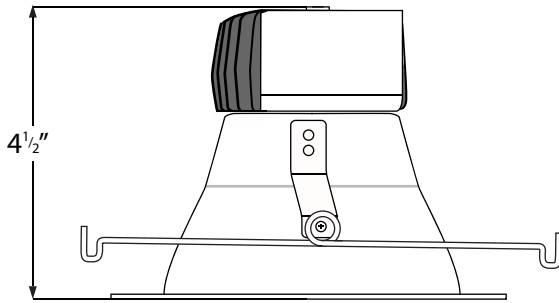
SQUARE



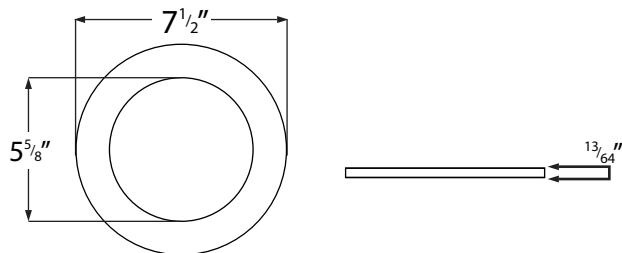
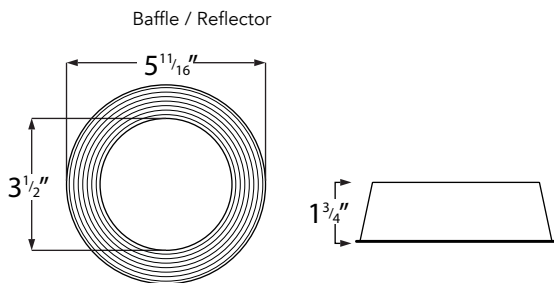
Trim



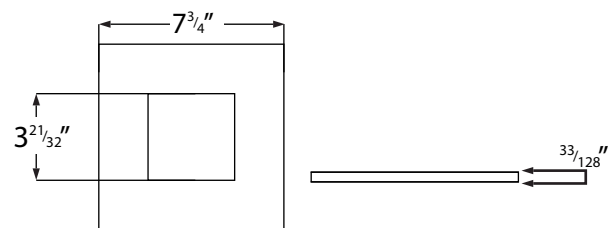
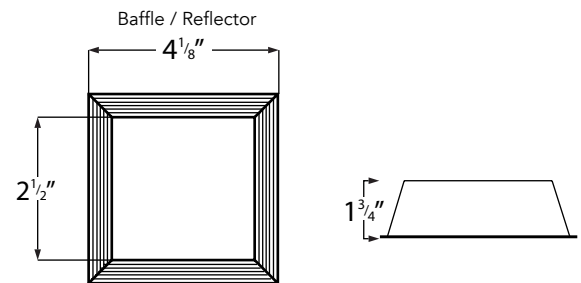
NEW CONSTRUCTION/REMODEL DIMENSIONS



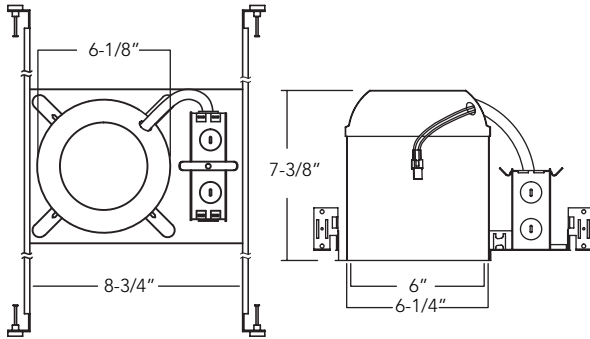
ROUND



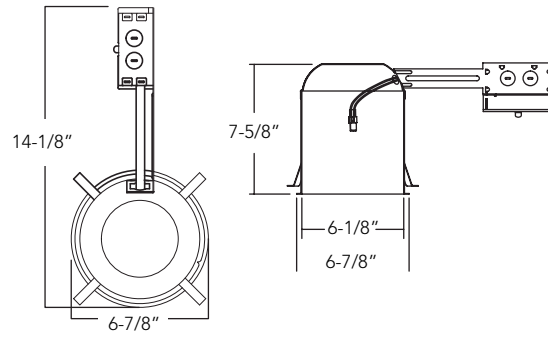
SQUARE



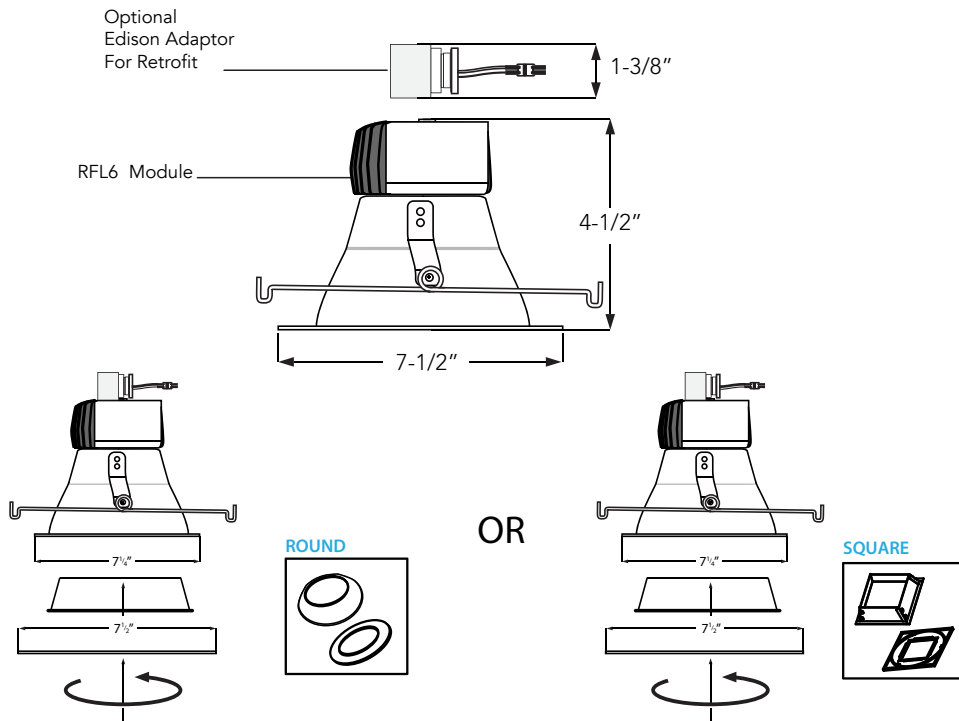
COMPATIBLE RAYON 6" HOUSING



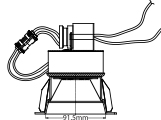
RHL6-ICAT
New Construction LED Housing



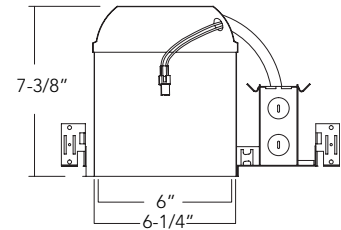
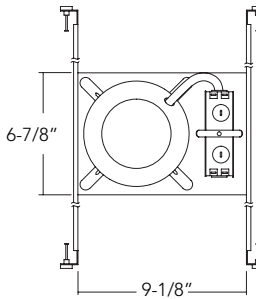
RHL6R-ICAT
Remodel LED Housing



DIMENSIONS



Compatible
with RFL6 Series



USE OF PRODUCT

The RHL6-ICAT is the ideal product for general purpose recessed LED housing for residential, commercial, hospitality, health care, restaurant and retail applications. This product is compatible with the Versatrim RFL5 Series in round or square in various baffle, reflector, and trim ring color selections to achieve a particular look.

CONSTRUCTION

- Minimum Clearance Rated for IC/ Non - IC application. "IC" or insulated ceiling housings are rated for direct contact with insulation. No minimum clearance is required.
- Ceiling Thickness Up to 1 1/4".
- Bar Hangers Bar Hangers are adjustable from 13-5/8 to 25" and can be repositioned to 90° on plaster frame. Pre-installed "real nail" easily installs in regular lumber, engineered lumber
- Junction Box Junction box is listed for through branch circuit wiring and contains seven 7/8" knockouts and four ROMEX pryouts with Romex cable clamp. Ground wire provided on J-Box.
- New Construction Frame Galvanized steel construction.
- Connection Quick connect provided for easy connection to VersaTrim RFL6 Series LED module to meet non-screw base socket requirements per California Title 24.

DIMMING

Available in 8 driver selections. Standard Triac/ELV, 120V. (018) 0-10V dimming in 800 delivered lumens, 120-277V. (PEQ0) Lutron Hi-Lume Premier Ecosystem 0.1% w/soft on, fade to black dimming, 120-277V. (LDE1) Lutron Hi-Lume 1% Ecosystem with soft on, fade to black dimming, 120-277V. (LTE) Hi-Lume 1% 2-wire, 120V (L3DA) Hi-lume 1% EcoSystem/3-Wire L3D Driver (EEI) eldoLED Eco 1% Dim (0-10V), 120-277V. (EDIO) eldoLED Solo 0.1% Dim(0-10V), 120-277V. (EDID) eldoLED Solo 0.1% Dim(DALI), 120-277V

EMERGENCY

Optional emergency back-up may be ordered separately. Unit operates for 90 minutes with LED modules up to 20 Watts and is Damp location rated , 120/277AC operational.

MODULE COMPATIBILITY

RHL6-ICAT is compatible with the Versatrim RFL6 Series in round or square in various baffle, reflector, and trim ring color selections to achieve appearance of choice.

LABELS/COMPLIANCE

cUL listed for Wet location
 Certified under ASTM-283 for Air-Tight Construction
 Title 24 Compliant

ORDERING INFORMATION

Series	Dimming	Option
RHL6-ICAT - 6" IC Air-Tight New Construction LED Housing	Leave blank - Triac/ELV 018 ¹ - 0-10V Dimming (800 lumens) PEQ0 ^{1,2} - Lutron Hi-Lume Premier Ecosystem 0.1% w/soft on, fade to black dimming LDE ^{1,2} - Lutron Hi-Lume 1% Ecosystem with soft on, fade to black dimming LTE ^{1,2,3} - Hi-Lume 1% 2-wire L3DA ^{1,2} - Hi-lume 1% EcoSystem/3-Wire L3D Driver EEI ^{1,2,4} - eldoLED Eco 1% Dim (0-10V) EDIO ^{1,2,4} - eldoLED Solo 0.1% Dim (0-10V) EDID ^{1,2,4} - eldoLED Solo 0.1% Dim (DALI)	277SDT ¹ - 277V Step down transformer 347SDT ¹ - 347V Step down transformer EM ¹ - Emergency back-up

Note:
 1. Requires dedicated housing.
 2. Requires ceiling access
 3. 120V only.
 4. Must specify logarithmic or linear eldoLED driver.



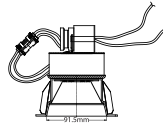
RHL6R-ICAT

6" IC Air-tight Remodel LED Housing

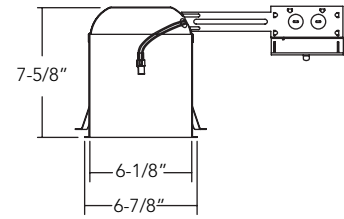
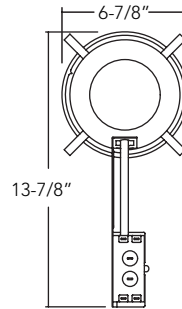
Project: _____
Model: _____
Location: _____
Contact: _____

6" IC Air-Tight Remodel LED Housing

DIMENSIONS



Compatible
with RFL6 Series



USE OF PRODUCT

The RHL6R-ICAT is the ideal product for general purpose recessed LED housing for residential, commercial, hospitality, health care, restaurant and retail applications. This product is compatible with the Versatrim RFL6 Series in round or square in various baffle, reflector, and trim ring color selections to achieve a particular look.

CONSTRUCTION

- Minimum Clearance Rated for IC/ Non - IC application. "IC" or insulated ceiling housings are rated for direct contact with insulation. No minimum clearance is required.
- Ceiling Thickness Up to 1 1/4".
- Junction Box Junction box is listed for through branch circuit wiring and contains seven 7/8 knockouts and four ROMEX pryouts with Romex cable clamp. Ground wire provided on J-Box.
- Remodel Frame Galvanized steel construction
- Connection Quick connect provided for easy connection to Versatrim RFL6 Series LED module to meet non-screw base socket requirements per California Title 24.

DIMMING

Available in 8 driver selections. Standard Triac/ELV, 120V. (018) 0-10V dimming in 800 delivered lumens, 120-277V. (PEQ0) Lutron Hi-Lume Premier Ecosystem 0.1% w/soft on, fade to black dimming, 120-277V. (LDE1) Lutron Hi-Lume

1% Ecosystem with soft on, fade to black dimming, 120-277V. (LTE) Hi-Lume 1% 2-wire, 120V (L3DA) Hi-lume 1% EcoSystem/3-Wire L3D Driver (EEI) eldoLED Eco 1% Dim (0-10V), 120-277V. (EDIO) eldoLED Solo 0.1% Dim(0-10V), 120-277V. (EDID) eldoLED Solo 0.1% Dim(DALI), 120-277V.

EMERGENCY

Optional emergency back-up may be ordered separately. Unit operates for 90 minutes with LED modules up to 20 Watts and is Damp location rated , 120/277AC operational.

MODULE COMPATIBILITY

RHL6R-ICAT is compatible with the Versatrim RFL6 Series in round or square in various baffle, reflector, and trim ring color selections to achieve appearance of choice.

LABELS/COMPLIANCE

cUL listed for Wet location
Certified under ASTM-283 for Air-Tight Construction
Title 24 Compliant

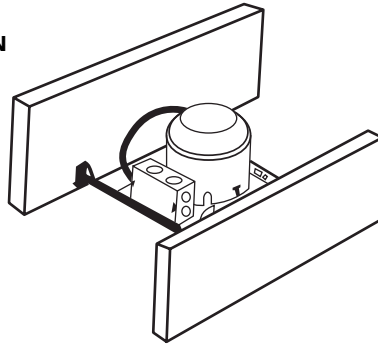
ORDERING INFORMATION

Series	Dimming	Option
RHL6R-ICAT - 6" IC Air-Tight Remodel LED Housing	Leave blank - Triac/ELV 018 ¹ - 0-10V Dimming (800 lumens) PEQ0 ^{1,2} - Lutron Hi-Lume Premier Ecosystem 0.1% w/soft on, fade to black dimming LDE ^{1,2} - Lutron Hi-Lume 1% Ecosystem with soft on, fade to black dimming LTE ^{1,2,3} - Hi-Lume 1% 2-wire L3DA ^{1,2} - Hi-lume 1% EcoSystem/3-Wire L3D Driver EEI ^{1,2,4} - eldoLED Eco 1% Dim (0-10V) EDIO ^{1,2,4} - eldoLED Solo 0.1% Dim (0-10V) EDID ^{1,2,4} - eldoLED Solo 0.1% Dim (DALI)	277SDT ¹ - 277V Step down transformer 347SDT ¹ - 347V Step down transformer EM ¹ - Emergency back-up

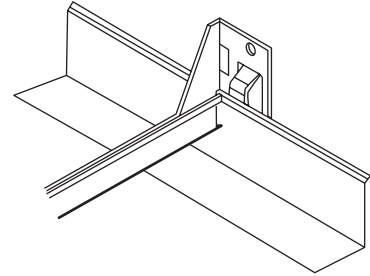
Note:
1. Requires dedicated housing.
2. Requires ceiling access
3. 120V only.
4. Must specify logarithmic or linear eldoLED driver.

NEW CONSTRUCTION INSTALLATION

Drawing 1



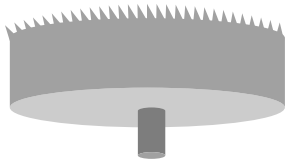
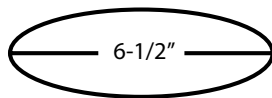
Drawing 2



1. Fastening fixture to ceiling

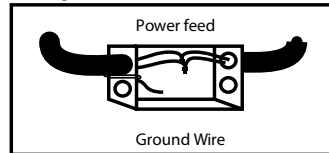
Joist-type ceiling-extend bar hangers to fit between joists. Position fixture temporarily by hammering "Nail" into joists. (Drawing 1), then secure permanently with nails. Hangers should be level with bottom of joists. Suspended (T-bar) ceilings-extend bar hangers 1" past T-bars, then rest fixture on T-bars. Secure fixture to T-bars with wire (drawing 2)

REMODEL INSTALLATION

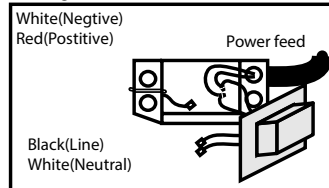


Carefully cut a hole of 6-1/2" diameter into the ceiling.

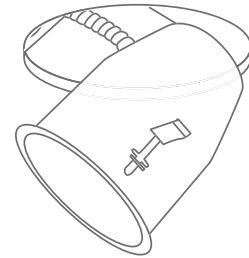
Housing without LED driver



Housing with LED driver



Pull supply wire through opening and make electrical connections. Refer to "electrical connections" section.



Insert the housing in ceiling cutout as illustrated.

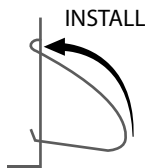
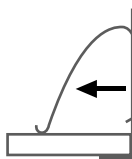


Fig.1F



ig.2

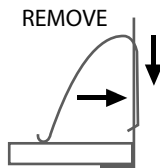
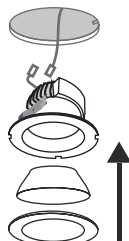


Fig.3

With clips seated properly in can (fig.1)
Insert remodel housing into ceiling, junction box first.
Hold fixture up against ceiling and push chip through housing solt (fig. 2)
To lock clip in place push flat portion against side of can (fig. 2)
To release pull down on clip (fig. 3)

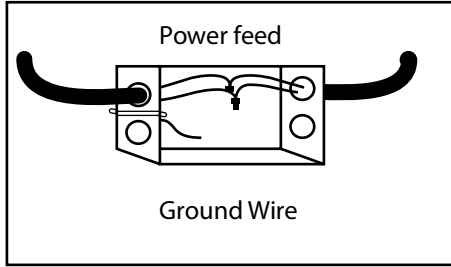
TRIM INSTALLATION



Final Result

Connect the male(module) into the female(Can) connector.
Insert baffle/reflector into the module use trim to secure.

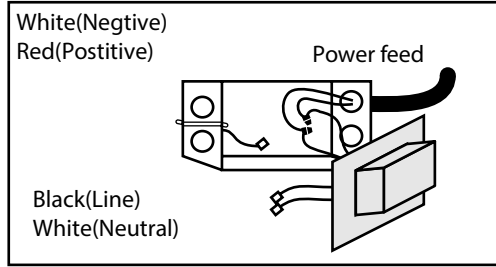
ELECTRICAL CONNECTION



1. Housing without LED driver

Connect-

- Black - Supply Voltage
- White - Neutral
- Green Ground J-box wire -copper or green grounding wire



2. Housing with LED driver

Junction box contains two wires. A black(hot+) and a white(neutral-) which must be spliced to the house current feed wire. Make sure to splice white to white and colored or black to black. After splicing has been completed, tuck splices carefully into junction box and replace cover(drawings 3)

3. Grounding

for Romex or 3 wire BX. flexible armour cable instadllations attach supply groundlead(green) to bare copper groundlead or ground screw in wiring box mounted on plaster frame. Local electrical codes should be consulted to determine acceptable installation-conduit Romex, or flexible Armour cable.

DIMMER SWITCH WIRING

