

# LVR316, LVR316-E

## Low Voltage Downlight for New Construction

### Specifications/Features

#### Housing/Mounting

Solid housing design stands up to tough installation challenges.  
Versatile mounting features provide fast installation.  
For solid or suspended ceilings.  
Lamp housing is removable through ceiling aperture to access junction box.  
J-box has (3) 1/2" knockouts with spring latch access plates.  
Housing adjusts to various ceiling thicknesses with three (3) screws.  
Dual extension hanger bars span 15" - 25-1/4" with integral holding spikes for easy mounting to wood joists. Hanger bars may also be extended to rest on T-bar ceilings (optional clip-on T-bar hangers available).

#### Lamp/Electrical

(1) 50W 12V MR16, GU5.3 base.  
Ceramic terminal block socket.  
Class H Magnetic transformer, thermally protected. Mounted to junction box cover for snap on/off convenience.  
Approved for (5) #12 AWG (max.) branch through-circuit 90°C wiring.  
Can be used with low voltage magnetic dimming controls for optimal control of illumination.  
Optional Electronic Transformer:  
Input: 120V 60Hz; Output at max. load: 11.7V 40kHz  
Short circuit and thermally protected.

#### Trims

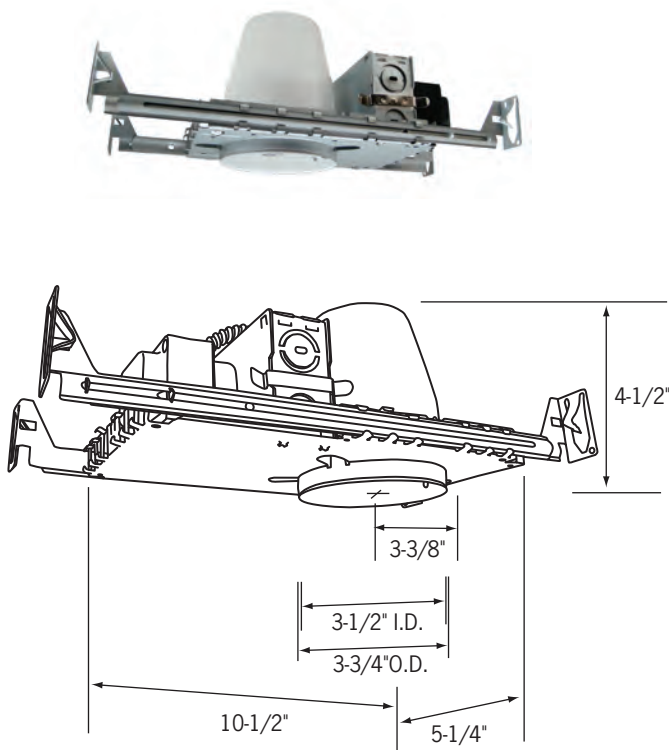
Baffle, multiplier, wall wash, accent and adjustable trim options available to suit a broad range of applications. See "Trims for 3" Low Voltage Recessed Housings" spec sheet for details.  
On trims designed for use with MR16 lamps, ConTech Lighting provides a clear, tempered safety glass. This safety glass should only be used with open MR16 lamps, and not used with MR16 lamps that contain an integral glass lens.

#### Warranty

This fixture is covered by ConTech's full one (1) year replacement guarantee after date of purchase.  
Transformer has a one (1) year warranty.

#### Labels/Usage

cCSAus Certified. Suitable for damp locations.  
City of Chicago approved, CCEA listed, when CP option is selected.



**Ceiling Opening:** 3-7/8"  
**Max. Ceiling Thickness:** 1/2" - 1-1/4"

### Ordering Information

Example Order: LVR316 CTR306-P CP

#### Housing/Voltage

**LVR316** - 120V/12V  
**LVR316 277V** - 277V/12V  
**LVR316-E** - 120V/12V  
Electronic  
Transformer

#### Trims

**See "Trims for 3" Low Voltage Recessed Housings" spec sheet.**

#### Options

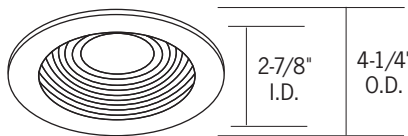
**CP** - Chicago Plenum  
**HB-24** - 27" Flat Hanger Set for RL-KIT  
**HB-30** - Optional T-Bar Hanger Set  
**HBC-24** - 25" C-Channel Hanger Set for RL-KIT

## Trims for 3" Low Voltage Recessed Housings

- All CTR3 Series Trims are cCSAus Certified and Suitable for Damp Locations; only Shower Trims are Wet Location Listed
- All Trims have White Trim finish unless specified
- For Trims designed for use with MR16 Lamps, ConTech Lighting provides a clear, Tempered Safety Glass Lens that should only be

used with open MR16 Lamps; not with MR16 Lamps that contain an integral Glass Lens

- If use of MR16 with Front Glass is required, remove the factory provided Safety Lens; Lens should also be removed when using MR16 LED Lamps
- Consult factory for LED Lamp compatibility



### CTR301 Series

#### Adjustable Baffle

15° Vertical swing, 45mm lens. Trim can hold up to two (2) lenses with stepped lens holder (included). Insert 45mm lens on lower level of lamp seat, insert 50mm lens onto higher level.

**CTR301-WHT** - Adjustable White Baffle

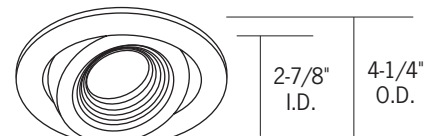


### CTR303N Series

#### Slotted Wall Wash

Internal 50° swing adjustment (25° from Nadir), external 358° rotation. Slot aperture permits maximum beam area adjustment for either wall wash or concealed accent lighting effects. Black interior surface.

**CTR303N-P** - White Slotted Wall Wash



### CTR307 Series

#### Adjustable Pin Spot

Deep baffle for maximum lamp concealment. May be used as a pin spot style downlight or an adjustable accent light. 35° Vertical adjustment. 45mm Lens. Trim can hold up to two (2) lenses with stepped lens holder (included). Insert 45mm lens on lower level of lamp seat, insert 50mm lens onto higher level.

**CTR307-B** - Black Baffle, Black Trim

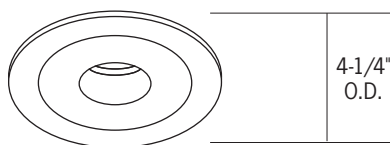


### CTR302 Series

#### Adjustable Multiplier

37° Vertical adjustment, 45mm lens. Trim can hold up to two (2) lenses with stepped lens holder (included). Insert 45mm lens on lower level of lamp seat, insert 50mm lens onto higher level.

- CTR302-B-BLKN** - Black Reflector, Black Trim
- CTR302-P-CLR** - Clear Reflector, White Trim
- CTR302-P-BLK** - Black Reflector, White Trim
- CTR302-P-WHT** - White Reflector, White Trim
- CTR302STCLR** - Clear Reflector, Brushed Stainless Steel Trim

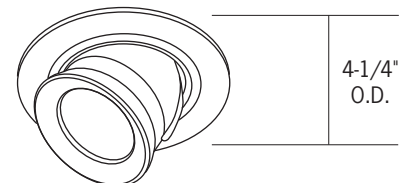


### CTR305 Series

#### Pin Spot

Downlight Only, 50mm Lens. Trim can hold up to two (2) lenses with stepped lens holder (included). Insert 45mm lens on lower level of lamp seat, insert 50mm lens onto higher level.

**CTR305-CLR** - Clear Cut-Off Reflector, White Trim

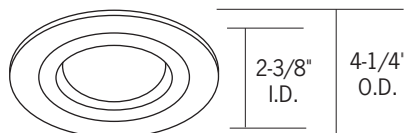


### CTR325 Series

#### Fully Adjustable

Die cast, fully adjustable, round lampholder and backplate. Easy relamping with twist-off front retaining ring. Unsurpassed aiming flexibility: 87° vertical, 359° rotational. 50mm lens.

**CTR325-B** - Black  
**CTR325-P** - White

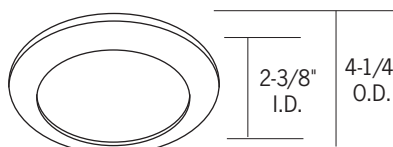


### CTR312

#### Flat Glass

Etched Glass for light diffusion.

**CTR312-P** - Flat Glass, White Trim

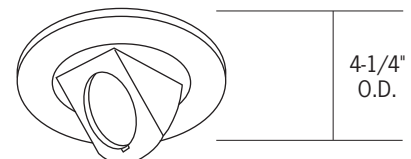


### CTR311FR

#### Frosted Flat Glass Shower Light

Shower light trim, double neoprene gasketed. cULus Listed for wet location.

**CTR311FR-P** - Frosted Flat Glass Shower Light, White Trim



### CTR324 Series

#### Fully Adjustable

Unsurpassed aiming flexibility: 87° vertical, 359° rotational. Front access, spring latch lamp retainer ring, black finish (optional white retainer ring available: **1623/24 WHITE**, ordered separately). Exclusive stainless flat springs insure firm, close-to-ceiling mounting. Accepts only one 47mm lens; if louver is required (**FA-16 45MM**), remove safety lens and use front glass MR16 lamp.

**CTR324-P** - White