

WARNINGS



WARNING

- Before installing, servicing, or performing routine maintenance upon this equipment, follow these general precautions.
- Risk of fire or electric shock. LED retrofit kit installation requires knowledge of luminaire electrical systems. If not qualified, do not attempt installation; contact a qualified electrician.
- Risk of fire or electric shock. Install this kit only in luminaires that have the construction features and dimensions shown in the photographs and/or drawings and where the input rating of the retrofit kit does not exceed the input rating of the luminaire.
- To reduce the risk of death, personal injury or property damage from fire, electric shock, falling parts, cuts/abrasions, and other hazards, read all warnings and instructions with and on the fixture box and all fixture labels.
- Installers should not disconnect existing wires from lampholder terminals. Instead, installers should cut existing lampholder leads away from the lampholder and make new electrical connections to lampholder lead wires by employing applicable connectors.
- To prevent wiring damage or abrasion, do not expose wiring to edges of sheet metal or other sharp objects.
- Do not make or alter any open holes in an enclosure of wiring or electrical components during kit installation.

NOTE

Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to 120V comply with the limits for a Class B digital device, 347V comply with the limits for a Class A digital device to Part 15 of the FCC Rules.

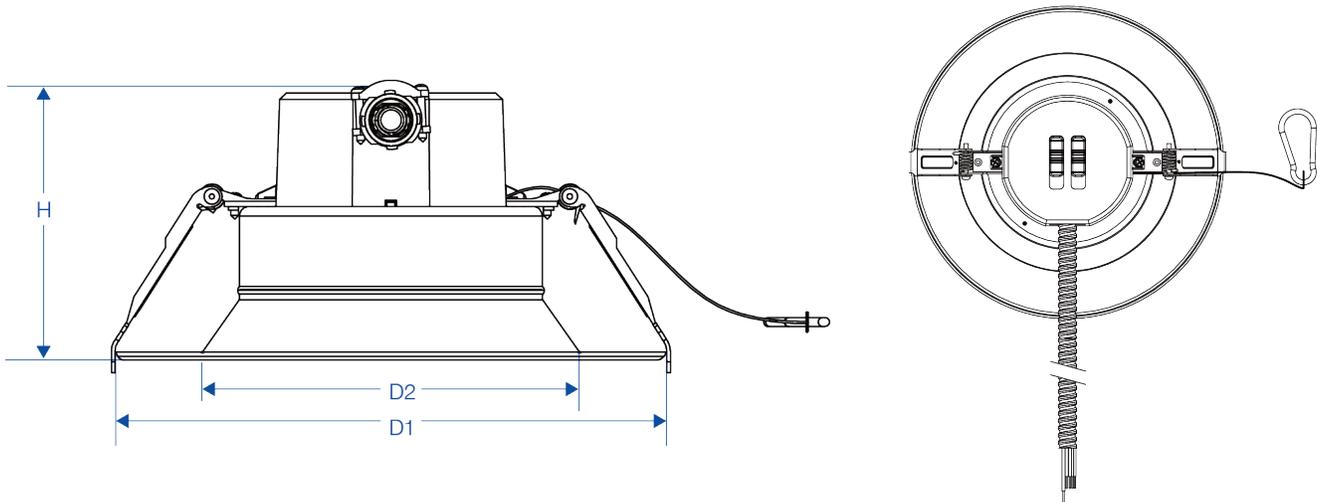
These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does not cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to connect the interference by one or more of the following measures:

- Relocate or adjust the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

ATTENTION RECEIVING DEPARTMENT: Note actual fixture description of any shortage or noticeable damage on delivery receipt. File claim for common carrier (LTL) directly with carrier. Claims for concealed damage must be filed within 15 days of delivery. All damaged material, complete with original packaging must be retained.

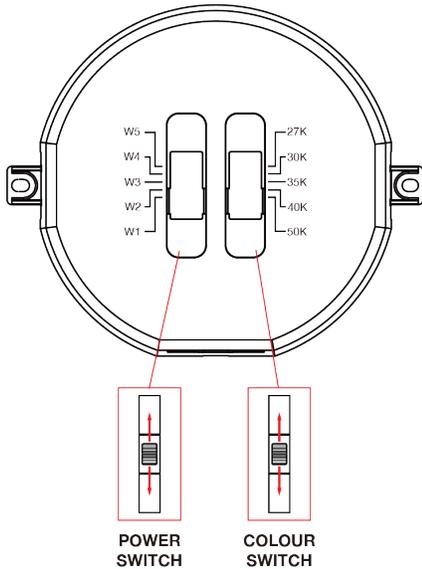
DIMENSIONS



MODEL NO.	SIZE	D1 (DIAMETER 1)	D2 (DIAMETER 2)	H (HEIGHT)	CUT-OUT (MIN TO MAX)
CDL03-4R-16W-5P-5CCT-UD-WH	4"	5.98"	4.43"	3.71"	Ø 4.87" to Ø 5.67"
CDL03-6R-24W-5P-5CCT-UD-WH	6"	8.41"	5.76"	4.19"	Ø 5.89" to Ø 8.10"
CDL03-8R-30W-5P-5CCT-UD-WH	8"	10.04"	7.14"	4.51"	Ø 7.52" to Ø 9.72"
CDL03-10R-38W-5P-5CCT-UD-WH	10"	11.38"	8.48"	4.98"	Ø 8.87" to Ø 10.98"

POWER SELECT (WATTAGE) AND COLOUR (CCT) ADJUSTMENT

The end users may adjust the colour temperature and lumen output, respectively, by the two slide switches on the back for the LED module engine.



CDL03-4R-16W-5P-5CCT-UD-WH

WATTAGE	CCT
7W 9W 11W 13W 16W	2700K
	3000K
	3500K
	4000K
	5000K

CDL03-6R-24W-5P-5CCT-UD-WH

WATTAGE	CCT
9.5W 13W 18.5W 21W 24W	2700K
	3000K
	3500K
	4000K
	5000K

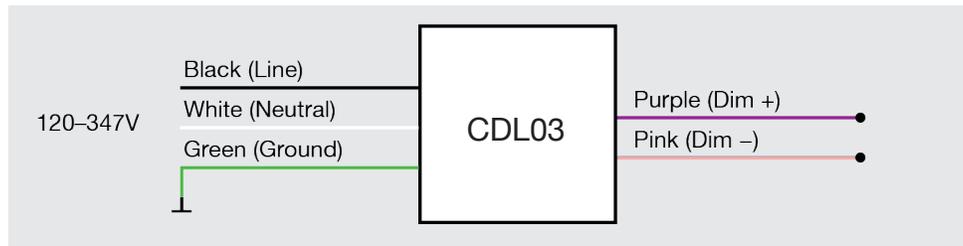
CDL03-8R-30W-5P-5CCT-UD-WH

WATTAGE	CCT
16W 20W 23W 27W 30W	2700K
	3000K
	3500K
	4000K
	5000K

CDL03-10R-38W-5P-5CCT-UD-WH

WATTAGE	CCT
20W 24W 28W 32W 38W	2700K
	3000K
	3500K
	4000K
	5000K

WIRING DIAGRAM



INSTALL INSTRUCTIONS

RETROFIT INSTALLATION

- Shut off power to the circuit before beginning installation. Remove existing trim and CFL or incandescent bulb. **NOTE:** Follow all federal and local regulations when disposing of luminaires and removed components (Fig. 2).
- Measure ceiling opening to ensure that the edge of the luminaire will cover the entire opening and still sit firmly in the ceiling (see dimensions on page 1).
- Select desired Wattage and CCT using adjustment switches on fixture (refer to power and CCT settings on page 2).
- Attach carabiner safety clip to the existing fixture housing (Fig. 3).
- Insert the pre-installed flexible conduit attached to fixture into the junction box and wire according to the above wiring diagram. Re-attach junction box cover when complete (Fig. 4).

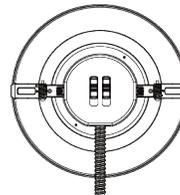


Fig. 1

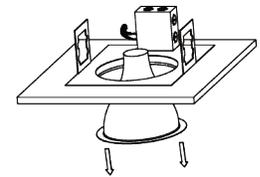


Fig. 2

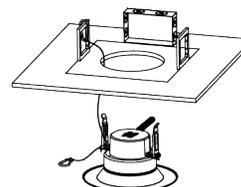


Fig. 3

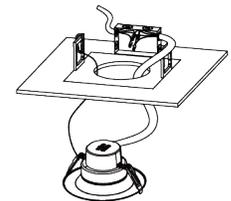


Fig. 4

6. Squeeze the two housing clips so they are in an upright position and then insert luminaire into housing. (Fig. 5)
7. Once luminaire is inside housing, release housing clips and continue to push luminaire into housing until securely fixed and flush with ceiling. Restore power. (Fig. 6)

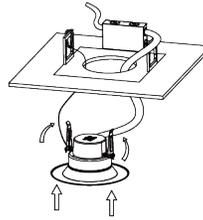


Fig. 5

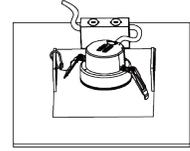


Fig. 6

NEW CONSTRUCTION INSTALLATION

1. Shut off power to the circuit before beginning installation.
2. Create ceiling opening to ensure that the edge of the luminaire will cover the entire opening and still sit firmly in the ceiling (see dimensions on page 1). If using optional rough-in plate, refer to page 5 for rough-in plate instructions.
3. Select desired Wattage and CCT using adjustment switches on fixture (refer to power and CCT adjustment settings on page 2).
4. Attach carabiner safety clip to the existing fixture housing. (Fig. 7)
5. Insert the pre-installed flexible conduit attached to fixture into the junction box and wire according to the above wiring diagram. Re-attach junction box cover when complete (Fig. 8).
6. Squeeze the two housing clips so they are in an upright position and then insert luminaire into housing. (Fig. 9)
7. Once luminaire is inside housing, release housing clips and continue to push luminaire into housing until securely fixed and flush with ceiling. Restore power. (Fig. 10)

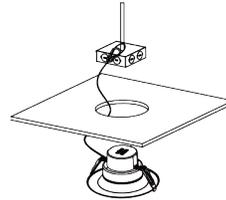


Fig. 7

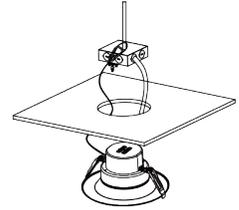


Fig. 8

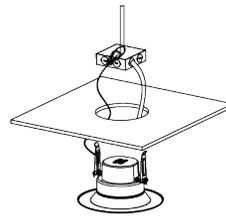


Fig. 9

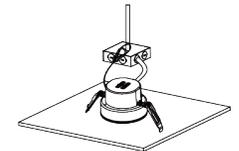
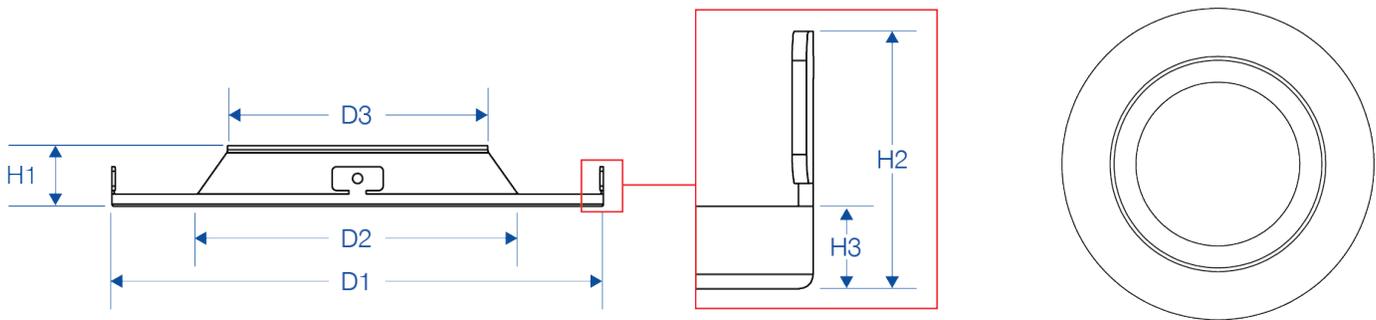


Fig. 10

TRIM ACCESSORY



SIZE	D1 (DIAMETER 1)	D2 (DIAMETER 2)	D3 (DIAMETER 3)	H1 (HEIGHT 1)	H2 (HEIGHT 2)	H3 (HEIGHT 3)
4"	6.13"	4.35"	3.74"	0.72"	0.69"	0.21"
6"	8.52"	5.73"	4.50"	1.05"	0.69"	0.21"
8"	10.14"	6.92"	4.81"	1.24"	0.70"	0.22"
10"	11.48"	8.43"	5.39"	1.69"	0.70"	0.22"

INSTALLATION

1. Clamp trim ring over fixture trim. (Fig. 11)

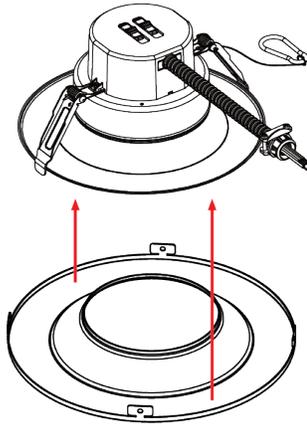


Fig. 11

2. Secure trim ring to lighting fixture by bending tabs until trim ring is flush with trim. (Fig. 12)

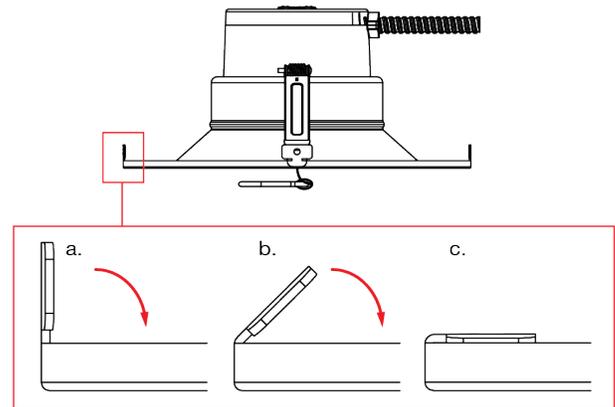
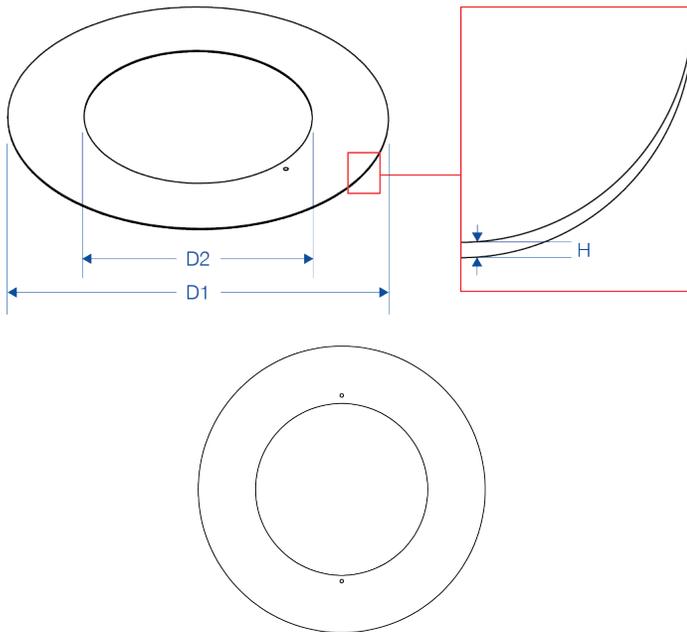


Fig. 12

GOOF RING ACCESSORY (SOLD SEPARATELY)

GOOF RING DIMENSIONS



SIZE	D1 (DIAMETER 1)	D2 (DIAMETER 2)	H (HEIGHT)
4"	6.50"	4.92"	0.02
6"	10.51"	6.30"	
8"	12.52"	8.07"	
10"	14.17"	9.06"	

INSTALLATION

1. Slide goof ring over fixture (Fig. 13).
2. Squeeze the two housing clips so they are in an upright position and then insert luminaire into opening (Fig. 14).
3. Once luminaire is inside opening, release housing clips and continue to push luminaire into opening until securely fixed and flush with ceiling (Fig. 15).

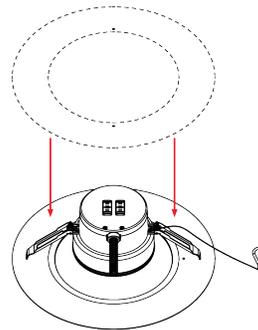


Fig. 13

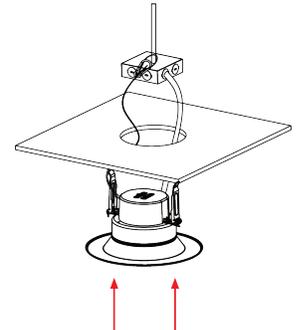


Fig. 14

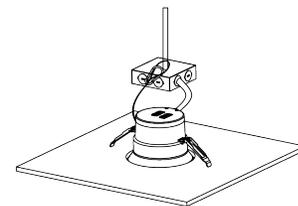
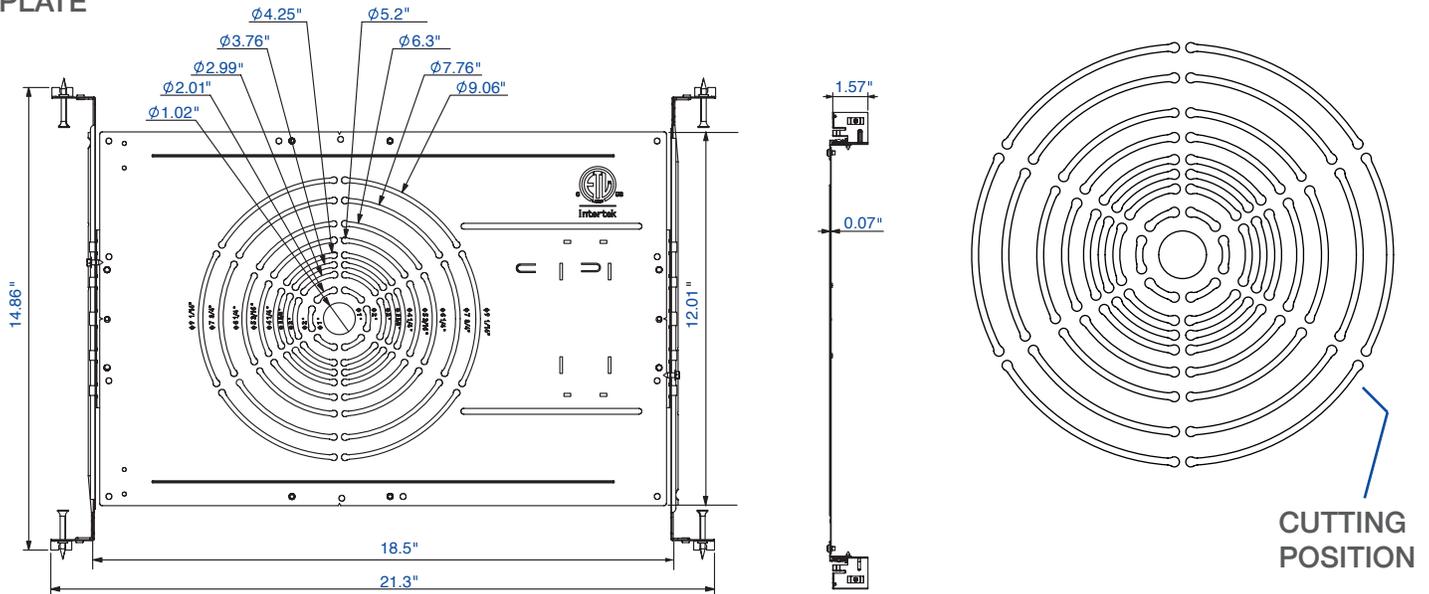


Fig. 15

ROUGH-IN PLATE ACCESSORY (SOLD SEPARATELY)

ROUGH-IN PLATE DIMENSIONS

PLATE



ROUGH-IN PLATE WITHOUT HANGER BARS INSTALLATION

1. Align the rough-in plate with ceiling joists in the desired fixture location. Be sure to allow enough space for the J-Box mounted on the plate (if applicable). Screw the plate to the joists using appropriate hardware (not included) to secure it in place (Fig. 16).

ROUGH-IN PLATE WITH HANGER BARS: DRYWALL INSTALLATION

1. Use hanger bars to attach luminaire between ceiling joists. Extend the bar hangers to fit between the joists. Line up the joist location tab with bottom of the wood joist. Each end of the hanger bar is equipped with pre-installed nails.
2. Adjust and center the downlight opening hole as desired by sliding the frame along the hanger bars. Lock and secure the frame with the hanger bars by tightening the edging screws (Fig. 17).
3. For steel studs, use self-taping sheet metal screws in place of nails. Using a hammer, secure the hanger bars to the wood joist with the nail. Secure at all four locations (Fig. 18).

ROUGH-IN PLATE WITH HANGER BARS: T-BAR INSTALLATION

1. Extend the hanger bars and secure to the ceiling T-grid using the vertical slots at the end of each hanger bar.
2. Adjust and center the downlight opening hole as desired by sliding the frame along the hanger bars. Lock and secure the frame with the hanger bars by tightening the edging screws (Fig. 19).
3. If required by code, connect the hanger bars to the T-grid with self-taping sheet metal screws (Fig. 20).

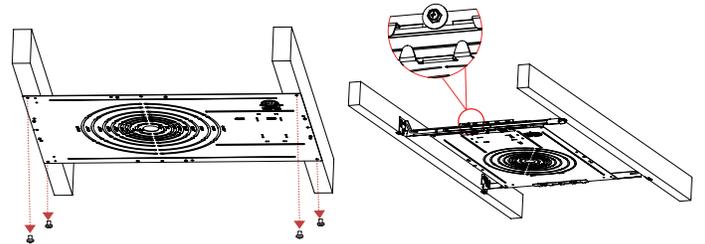


Fig. 16

Fig. 17

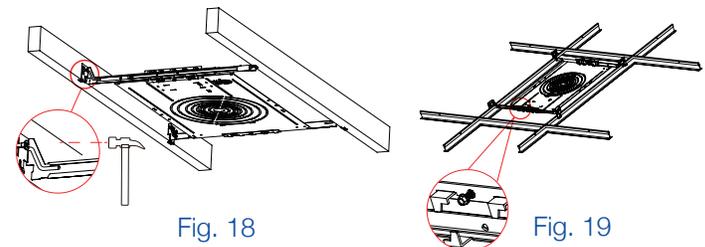


Fig. 18

Fig. 19

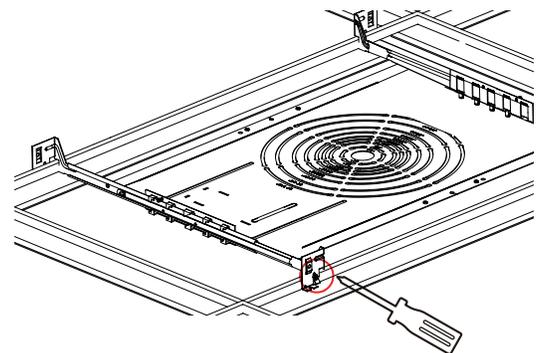


Fig. 20