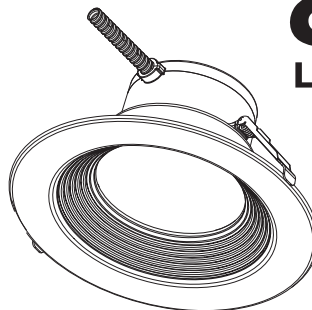


# CDL™ Series

## Commercial Downlight

Includes: CDL-6, CDL-8, CDL-10

**aleo**™  
LED LIGHTING



## INSTALLATION INSTRUCTIONS

### READ AND FOLLOW ALL SAFETY INSTRUCTIONS

#### WARNING

**FAILURE TO FOLLOW THESE INSTRUCTIONS AND WARNINGS MAY RESULT IN SERIOUS INJURY OR DAMAGE TO PROPERTY**

For your safety, thoroughly read these instructions and warnings in its entirety prior to installing or servicing this product. These instructions do not attempt to cover all installation and maintenance circumstances. If you do not understand these instructions or if additional information is needed, please contact Aleo Lighting customer service.

#### WARNING

##### RISK OF FIRE OR ELECTRIC SHOCK

This product must be installed and serviced by a professional electrician in accordance with applicable federal, state, and local laws, regulations, and electrical code. If not qualified, do not attempt installation of this product. Contact a qualified electrician.

#### WARNING

##### RISK OF FIRE, ELECTRIC SHOCK, or PERSONAL INJURY

To avoid risk of electrical shock, turn off power before installing or servicing.

Verify that supply voltage is correct by comparing with the input voltage on the luminaire label

Make all electrical and ground connections in accordance with NEC and any applicable code requirements

#### WARNING

##### RISK OF PERSONAL INJURY

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 any of the enclosures with wiring or electrical components during installation

### SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE

#### WARNING

This luminaire is made for permanent installation in ordinary (non-hazardous) locations in accordance with NEC code and all applicable local and federal codes. Do not use in applications with limited ventilation or high ambient temperature enclosures.

#### TURN OFF POWER BEFORE INSTALLING

#### Electrical Connection

1. Connect BLACK (line) driver lead to voltage supply Line position (HOT).
2. Connect driver WHITE lead to the NEUTRAL supply position.

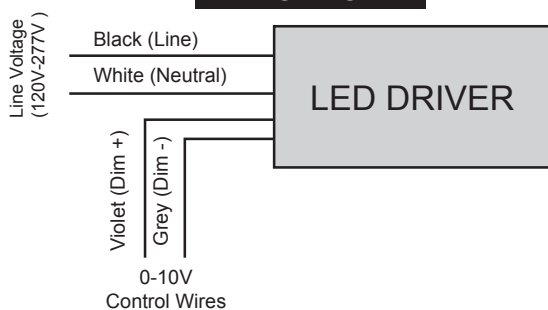
##### If using 0-10V dimming:

Connect VIOLET lead to supply POSITIVE dimming lead.  
Connect GREY lead to the supply NEGATIVE dimming lead.

##### If NOT using 0-10V dimming:

Ensure VIOLET and GREY 0-10V dimming leads are properly capped

#### Wiring Diagram



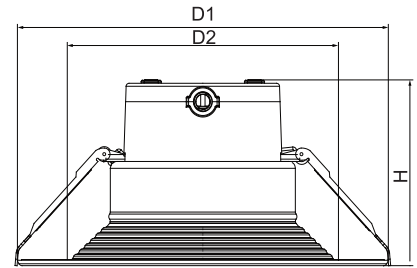
Contents to change without notice. Visit [www.aleolighting.com](http://www.aleolighting.com) for warranty and specification information.

# CDL™ Series Commercial Downlight

## TO INSTALL:

To Find Compatible Dimmers, Please Go to [http://www.aleoighting.com/cdl\\_dimmers](http://www.aleoighting.com/cdl_dimmers)

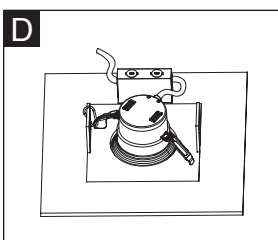
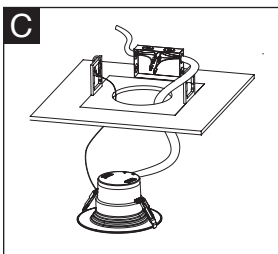
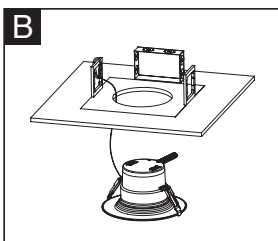
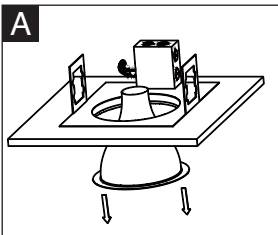
Model No.	Size	D1	D2	H	Cut-out	
					Min.	Max.
CDL-6LE-UX/9CT	6"	8-7/16"	5-7/8"	4-7/16"	ø6-1/8"	ø7-3/16"
CDL-8LE-UX/9CT	8"	10-1/16"	7-3/8"	4-3/4"	ø7-9/16"	ø8-11/16"
CDL-10LE-UX/9CT	10"	11-3/8"	8-11/16"	5-1/4"	ø8-7/8"	ø10"



### Field Adjustable Lumen and CCT



Model	Adjustable Wattage			Adjustable Color Temp		
	Low	Med	High			
CDL-6LE-UX/9CT	9W	13W	19W	4000K	3500K	3000K
CDL-8LE-UX/9CT	17W	23W	29W			
CDL-10LE-UX/9CT	21W	30W	38W			



## A RETROFIT INSTALLATION

### INSTALLATION STEPS:

1. Make sure to TURN OFF POWER to the lighting system.
2. Remove existing lamp and reflector. If existing trim or can are present, remove from the ceiling or move it out of the way. Make sure to retain existing rough-in kit components. (Figure A)
3. Measure the ceiling opening and ensure the edge of the downlight retrofit will cover the entire hole and sit firmly in the ceiling.
4. Attach the carabiner safety lanyard to the existing fixture housing. (Figure B)
5. Remove the junction box faceplate. Disconnect wiring to existing ballast. Remove appropriate knock out on junction box. Insert the downlight retrofit conduit into the knock out hole. (Figure C)
6. Connect incoming AC mains power to fixture input leads. SEE PAGE 1 for Electrical Connection and wiring diagram instructions. (The grounding of the overall system shall be done in accordance with NEC and local codes). Cover the junction box.
7. Adjust the fixture power to desired lumen output by sliding the switch on the back of the downlight. Adjust the color temperature (CCT) to desired selection by sliding switch. Make sure the switch is never in between positions.
8. Bend the (2) spring clips upward so they are in an upright and insert downlight into hole in the ceiling / housing.
9. Once downlight is inside the ceiling and housing, release the spring clips and push the fixture up into the ceiling until securely fixed and flush with the ceiling (rotating the downlight may be necessary to properly engage the spring clips and ensure a secure fit). (Figure D)

Contents to change without notice. Visit [www.aleoighting.com](http://www.aleoighting.com) for warranty and specification information.  
CDL-IS-0620-NG

# CDL™ Series Commercial Downlight

To Find Compatible Dimmers, Please Go to [http://www.aleoighting.com/cdl\\_dimmers](http://www.aleoighting.com/cdl_dimmers)

## **B** NEW CONSTRUCTION INSTALLATION

### INSTALLATION STEPS:

1. Make sure to TURN OFF POWER to the lighting system.
2. If using a new construction plate, install it in the ceiling first.
3. If a new hole is needed, cut hole according to downlight cut-out dimension per model number.
4. Attach the carabiner safety lanyard to secure place inside the ceiling. (Figure E)
5. Insert downlight conduit whip into a pre-installed junction box (supplied by others) knock out hole. (Figure F)
6. Connect incoming AC mains power to fixture input leads. SEE PAGE 1 for Electrical Connection and wiring diagram instructions. (The grounding of the overall system shall be done in accordance with NED and local codes). Cover the junction box.
7. Adjust the fixture power to desired lumen output by sliding the switch on the back of the downlight. Adjust the color temperature (CCT) to desired selection by sliding switch. Make sure the switch is never in between positions.
8. Bend the (2) spring clips upward so they are in an upright and insert downlight into hole in the ceiling / housing. (Figure F)
9. Once downlight is inside the ceiling and housing, release the spring clips and push the fixture up into the ceiling until securely fixed and flush with the ceiling (rotating the downlight may be necessary to properly engage the spring clips and ensure a secure fit). (Figure H)

