

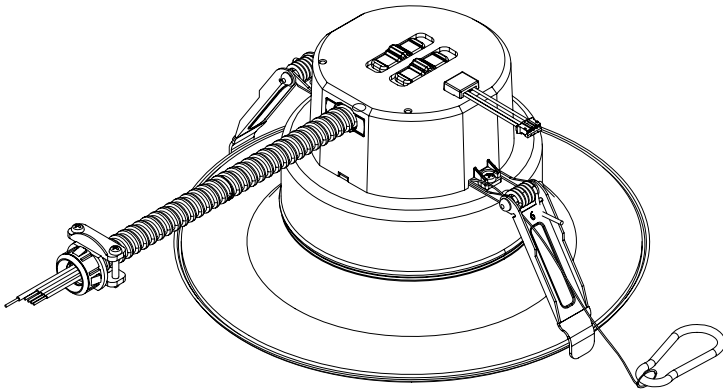
LITETRONICS®

LED Round Downlight

Watt and CCT Selectable with Sensor Capability

(DLR12W4S, DLR15W6S, DLR23W6S, DLR28W8S)

Installation Instructions



WHAT COMES IN THE BOX

- (1) Downlight Fixture
- (1) Installation Instructions
- (1) Hole Template
- Cable with Connector for BCM02 (sold separately)
- 26" Flexible Conduit
- Carabiner Safety Cable

TOOLS NEEDED

- Phillips Screwdriver
- Wire Stripper and Cutter
- Hole Saw (for new construction applications)

SAFETY INSTRUCTIONS AND WARNINGS

WHEN USING ELECTRICAL EQUIPMENT, BASIC SAFETY PRECAUTIONS SHOULD ALWAYS BE OBSERVED. READ CAREFULLY BEFORE INSTALLING FIXTURE. RETAIN THESE INSTRUCTIONS FOR FUTURE REFERENCE.

Litetronics fixtures must be wired in accordance with the National Electrical Code and all applicable local codes.

Risk of fire or electric shock. Installation requires knowledge of luminaire electrical systems. If not qualified, do not attempt installation. Contact a qualified electrician.

Be certain electrical power is OFF before and during installation and maintenance.

Fixture must be connected to a wiring system with an equipment-grounding conductor.

Make sure the supply voltage matches the rated luminaire voltage.

Only the open holes indicated in the photographs or drawings may be made or altered as a result of installation. Do not leave any other open holes in an enclosure of wiring or electrical components.

Suitable for wet locations and IC-rated for direct contact with insulation.

ATTENTION

1. Please check if there is any damage during shipping. If so, please contact Litetronics customer service.
2. Please read the installation instruction carefully to check whether all the accessories are included.
3. After confirmation, install the fixture according to installation steps.

INSTALLATION PROCEDURE

READ ALL INSTRUCTION BEFORE BEGINNING INSTALLATION

Unbox and inspect the LED Round Downlight to understand its components.

- If 0-10V dimming is required, see **WIRING DIAGRAM** steps.

Before starting installation, turn off power at circuit breaker.

PREPERATION

1. Turn off power at the circuit breaker before starting installation.
2. Verify the ceiling opening matches the fixture size (4", 6", or 8" depending on model).
3. Check that the ceiling cavity depth allows clearance for the fixture height and driver box.
4. Confirm the input voltage is between 120–277V AC.

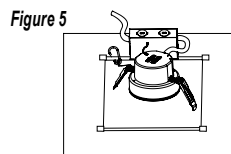
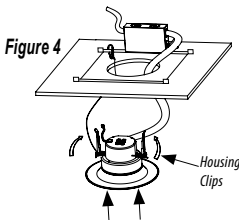
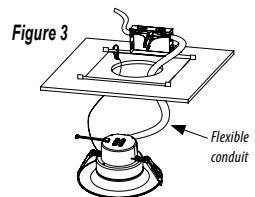
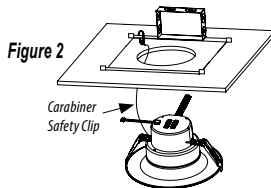
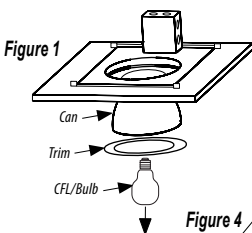
SET WATTAGE & CCT

- Adjust switches to the desired watts and color temperature according to the application.
 - Available CCT options: 2700K / 3000K / 3500K / 4000K / 5000K
 - Adjustable Wattage options vary by fixture size.

DEFAULT SETTINGS: WATTS / HIGH - CCT / 4000K.

RETROFIT INSTALLATION

1. Remove existing trim, can, and CFL or incandescent bulb. **(Fig. 1)**
NOTE: Follow all federal and local regulations when disposing of luminaires and removed components.
2. Measure ceiling opening to ensure that the edge of the downlight will cover the entire opening and still sit firmly in the ceiling.
3. Attach carabiner safety clip to the hanger bar. **(Fig. 2)**
4. Insert the pre-installed flexible conduit attached to fixture into the junction box and wire according to the wiring diagram on page 3. **(Fig. 3)**
5. Squeeze the two housing clips so they are in an upright position and then insert downlight into the ceiling. **(Fig. 4)**
6. Once downlight is inside housing, release housing clips and continue to push downlight into retrofit until securely fixed and flush with ceiling. **(Fig. 5)**
7. Restore power, installation is complete.



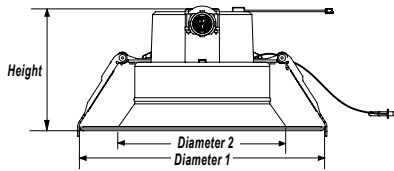
INSTALLATION PROCEDURE

NEW CONSTRUCTION INSTALLATION

1. Create ceiling opening, using the provided hole template to ensure that the edge of the downlight will cover the entire opening and still sit firmly in in the ceiling. (**Fig. 6**)

Part	Size (In)	Diameter 1 (In)	Diameter 2 (In)	Height (In)	Cut-Out (Min-Max)
DLR12W4S	4	5.98	4.43	3.71	Ø4.87 - Ø5.67
DLR15W6S	6	8.41	5.76	4.19	Ø5.89 - Ø8.10
DLR23W6S	6	8.41	5.76	4.19	Ø5.89 - Ø8.10
DLR28W8S	8	10.04	7.14	4.51	Ø7.52 - Ø9.72

Figure 6



2. Attach carabiner safety clip to the junction box. (**Fig. 7**)
3. Insert the pre-installed flexible conduit attached to fixture into the junction box and wire according to the wiring diagram below. Re-attach junction box cover when wiring is complete. (**Fig. 8**)
4. Squeeze the two housing clips so they are in an upright position and then insert downlight into ceiling. (**Fig. 9**)
5. Once downlight is inside housing, release housing clips and continue to push downlight into the ceiling until securely fixed and flush with ceiling. Restore power. (**Fig. 10**)
7. Restore power, installation is complete.

Figure 7

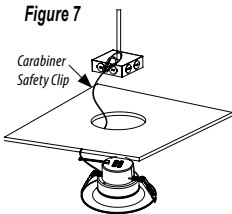


Figure 8

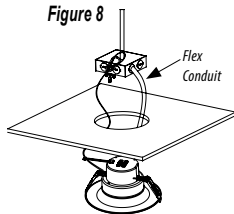


Figure 9

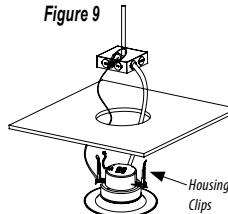
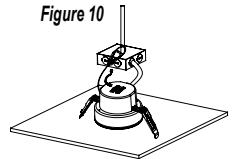


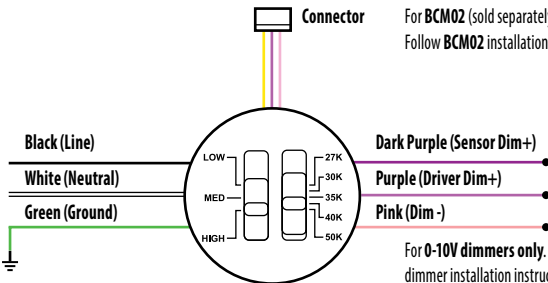
Figure 10



WIRING DIAGRAM

120-277V Input

For 120V Triac, ELV, Wireless dimmers only. Please follow manufacturers' dimmer installation instructions.



Connector

For BCM02 (sold separately) integration only. Follow BCM02 installation instructions.

Dark Purple (Sensor Dim+)

Purple (Driver Dim+)

Pink (Dim-)

For 0-10V dimmers only. Please follow manufacturer's dimmer installation instructions.

Thank you for choosing

LITETRONICS®

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To check for an updated version of these instructions, please visit www.litetronics.com.