

4"

DOWNLIGHT

LED

INSTALLATION INSTRUCTION **(REMODEL/NEW CONSTRUCTION)**



RISK OF FIRE AND ELECTRICAL SHOCK. FIXTURE MUST BE INSTALLED BY A QUALIFIED ELECTRICIAN ONLY IN ACCORDANCE WITH NATIONAL, LOCAL BUILDING AND ELECTRICAL CODES. DISCONNECT POWER AT ELECTRICAL PANEL BEFORE SERVICING.

IMPORTANT SAFETY INSTRUCTIONS

1. Read all instructions completely before beginning. Keep these instructions in safe place for future reference.
2. To reduce risk of fire and over-heating, make sure all connections are tight.
3. Turn off the electrical power before proceeding.



CAUTION: RISK OF FIRE OR ELECTRIC SHOCK

LED downlight installation requires knowledge of luminaires electrical systems. If not qualified, do not attempt installation. Contact a qualified person.

WARNING - RISK OF FIRE OR ELECTRIC SHOCK. LED downlight installation requires knowledge of luminaires electrical systems. If not qualified, do not attempt installation. Contact a qualified electrician.

WARNING - Install these downlights only in housing that has the construction features and dimensions shown in the photographs and/or drawings and where the input rating of the LED downlight does not exceed the input rating of the housing.

WARNING - 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 installation.

Please examine all parts that are not intended to be replaced by the LED downlight for damage and replace any damaged parts prior to installation of the LED downlight.

NEW CONSTRUCTION

List:

1. LED Engine
2. New Construction-Housing Insulation Kit(IC) or New Construction-Frame Kit (NON-IC)
3. Trim or Trimless or Wood Ceiling Ring

REMODEL

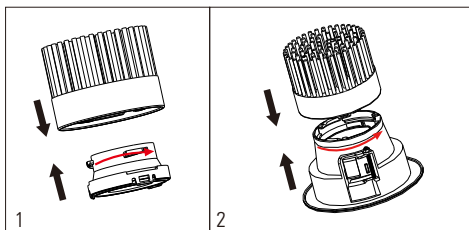
List:

1. LED Engine
2. LED Driver Box (Remodel)
3. Trim or Trimless or Wood Ceiling Ring

WHEN TRIM, LENS AND LED ENGINE ARE SEPARATED, ASSEMBLE THEM BY THE FOLLOWING STEPS:

1. Assemble Lens And LED Engine And Trim:

Attached together, and secure them tight with clockwise direction (1-2).



4"

DOWNLIGHT

LED

INSTALLATION INSTRUCTION **(REMODEL)**



RISK OF FIRE AND ELECTRICAL SHOCK. FIXTURE MUST BE INSTALLED BY A QUALIFIED ELECTRICIAN ONLY IN ACCORDANCE WITH NATIONAL, LOCAL BUILDING AND ELECTRICAL CODES. DISCONNECT POWER AT ELECTRICAL PANEL BEFORE SERVICING.

OPENING SIZE REFERENCE

Table (A)

Style	Opening Size Reference	Thickness of ceiling
4inch Round Trim	Ø4"(Round Hole)	≤1"
4inch Round Trimless	Ø4-3/16"(Round Hole)	≤1"
4 inch Round Woodceiling	Ø3-7/8"	1/4in-3/4in

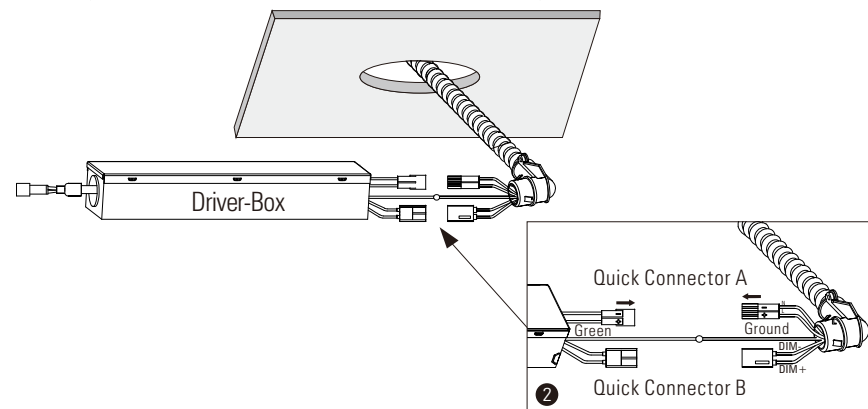
1. If thickness of ceiling than less 1/4in, need prod up to 1/4in
2. If thickness of ceiling than more 3/4in, Material of lighting around need expurgate to 3/4in.

INSTALLATION - REMODEL APPLICATIONS

DRIVER CONNECTION

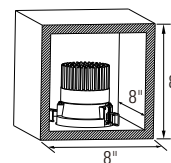
Step 1: Drill hole in the ceiling. See opening size reference (See Table A).

Step 2: Plug AC power cord into the quick connector A. (Only if the driver has 0-10V dimming, the quick connector B needs to be connected.) Plug the male connector with the female connector. Connect the ground wire ②. For Trimless installation, refer to Diagram B.

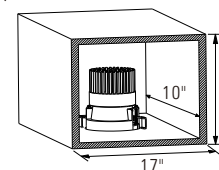


MOUNTING SPACE REQUIRED

Up to 10W: Min 8" × 8" × 8"



Up to 19W: Min 17" × 10" × 8"



ENGINE INSTALLATION FOR TRIM

Step 1: The driver box is fixed to the ceiling by magnetic force of a magnet

Step 2: Connect the male and female connectors of the downlight and attach the safety cable ①.

Step 3: Take off the Trim Shade by rotating the Trim Shade counterclockwise, then use an electric screwdriver to tighten the two screws clockwise until fully secured against the ceiling ② ③ ④.

Step 4: Finally, rotate the Trim Shade clockwise to reinstall it ⑤.



ATTENTION: Install in accordance with national and local building and electrical codes.

Page 1

All rights reserved. Due to continuous product improvements, specifications and dimensions are subject to change without notice.



ATTENTION: Install in accordance with national and local building and electrical codes.

Page 2

All rights reserved. Due to continuous product improvements, specifications and dimensions are subject to change without notice.

4"

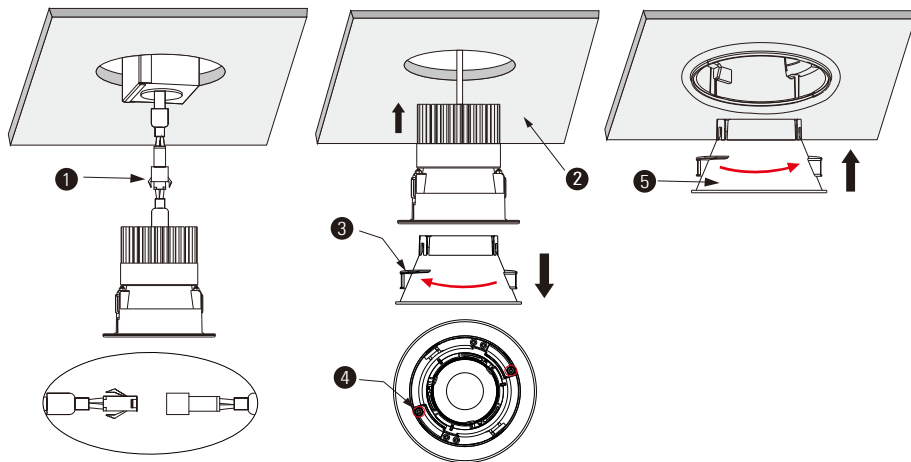
DOWNLIGHT

LED

INSTALLATION INSTRUCTION (REMODEL)



RISK OF FIRE AND ELECTRICAL SHOCK. FIXTURE MUST BE INSTALLED BY A QUALIFIED ELECTRICIAN ONLY IN ACCORDANCE WITH NATIONAL, LOCAL BUILDING AND ELECTRICAL CODES. DISCONNECT POWER AT ELECTRICAL PANEL BEFORE SERVICING.



ENGINE INSTALLATION FOR TRIMLESS

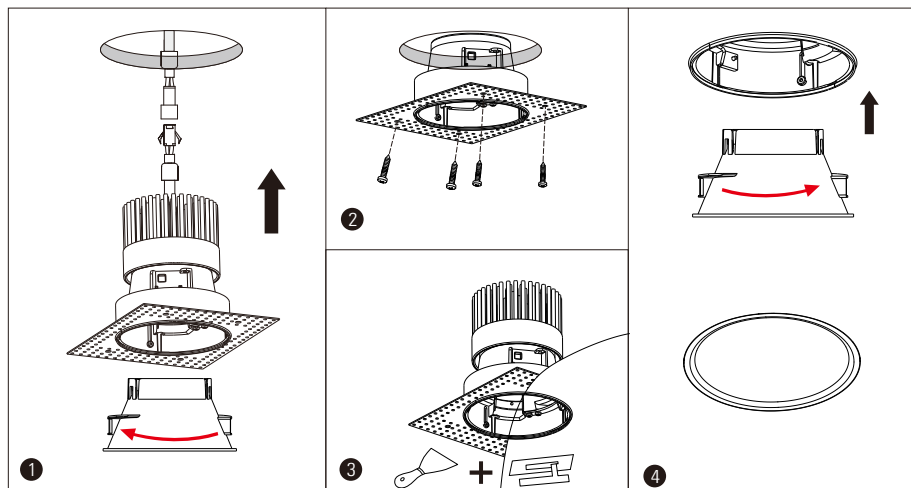
Step 1: The driver box is fixed to the ceiling by magnetic force of a magnet

Step 2: Rotate the Shade counterclockwise to remove it, then connect the male and female connectors of the downlight and attach the safety cable. After that, place the downlight into the ceiling ①.

Step 3: Secure the outer ring to the ceiling with screws ②.

Step 4: Plaster to achieve a seamless finish ③.

Step 5: Finally, tighten the Trim Shade clockwise ④.



ATTENTION: Install in accordance with national and local building and electrical codes.

Page 3

All rights reserved. Due to continuous product improvements, specifications and dimensions are subject to change without notice.

4"

DOWNLIGHT

LED

INSTALLATION INSTRUCTION (REMODEL/NEW CONSTRUCTION)

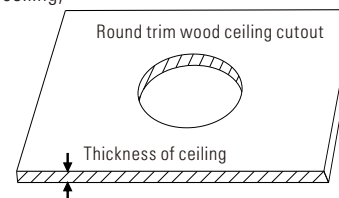


RISK OF FIRE AND ELECTRICAL SHOCK. FIXTURE MUST BE INSTALLED BY A QUALIFIED ELECTRICIAN ONLY IN ACCORDANCE WITH NATIONAL, LOCAL BUILDING AND ELECTRICAL CODES. DISCONNECT POWER AT ELECTRICAL PANEL BEFORE SERVICING.

ENGINE INSTALLATION FOR WOOD CEILING

Wood Ceiling Cutout (The size is as per the table A)

1. If thickness of ceiling than more 3/4in, Material of lighting around need expurgate to 3/4in. (Applicable only for: remodel wood ceiling)



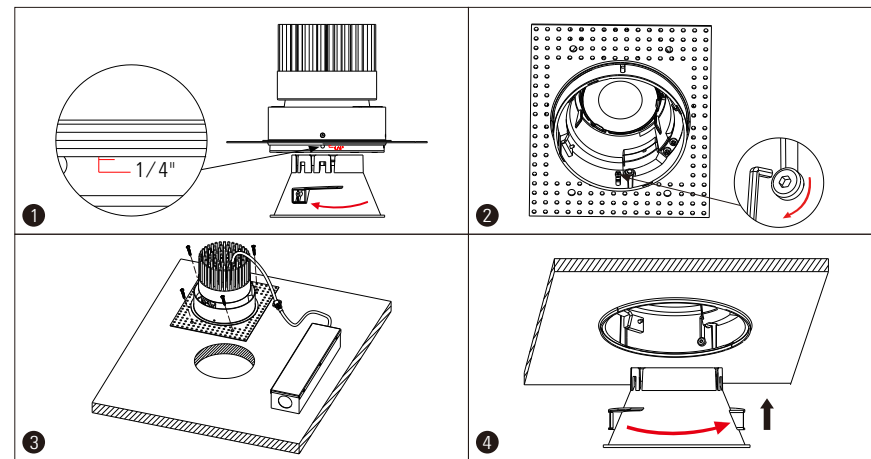
INSTALLATION

1. Rotate the Trim Shade counterclockwise to remove it ①.

2. Use a hex wrench to adjust the height of the inner ring according to the ceiling thickness, then tighten it clockwise ②.

3. Connect the male and female connectors, attach the safety cable, then align the Trimless with the ceiling opening, lower it into place, and secure it with KA4 × 8 screws ③.

4. Finally, tighten the Trim Shade clockwise ④.



INSTALLATION - NEW CONSTRUCTION APPLICATIONS

DRIVER CONNECTION

Step 1: Locate fixture position. Install the fixture in the ceiling using the two hanger bars ① (Supplied). Mount the fixture in the ceiling so that the weight of the fixture is supported by the hanger bars, mounting channel, bar, and/or hanger wires secured to the building structure.

Step 2: Open the J-box ② ③, connect the power supply and ground wire according to the wiring diagram. (Only if the driver has 0-10V dimming, the dimming wire needs to be connected).

Step 3: After the ceiling is installed, drill the holes. The size is as per the table (A) ④.



ATTENTION: Install in accordance with national and local building and electrical codes.

Page 4

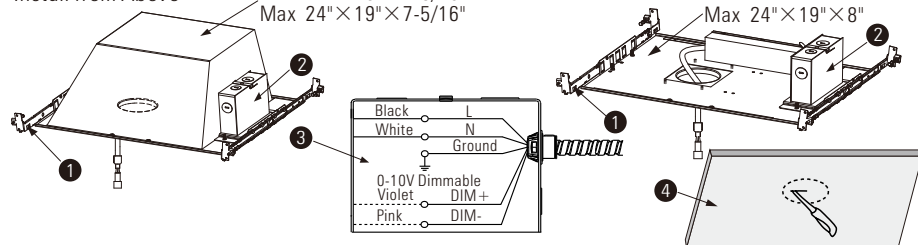
All rights reserved. Due to continuous product improvements, specifications and dimensions are subject to change without notice.



RISK OF FIRE AND ELECTRICAL SHOCK. FIXTURE MUST BE INSTALLED BY A QUALIFIED ELECTRICIAN ONLY IN ACCORDANCE WITH NATIONAL, LOCAL BUILDING AND ELECTRICAL CODES. DISCONNECT POWER AT ELECTRICAL PANEL BEFORE SERVICING.

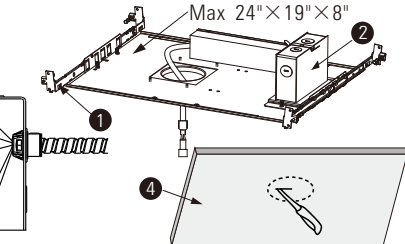
IC HOUSING INSATLLATION

Option 1: Mounting Space Required
Housing Insallation Kit (IC) Housing Insallation Kit (IC)
Install from Above Min 14"×19"×7-5/16"
Max 24"×19"×7-5/16"



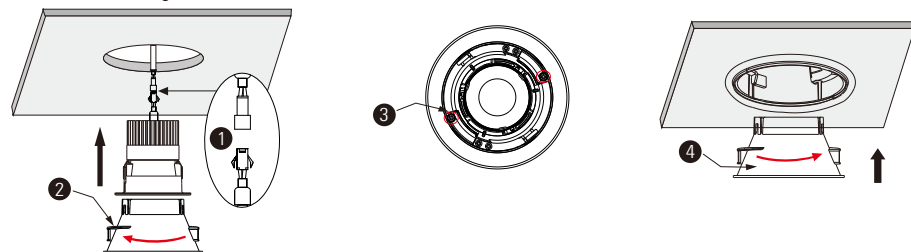
NON-IC FRAME KIT INSATLLATION

Option 2: Mounting Space Required
Frame Kit (NON-IC) Frame Kit (NON-IC)
Install from Above Min 14"×19"×8"
Max 24"×19"×8"



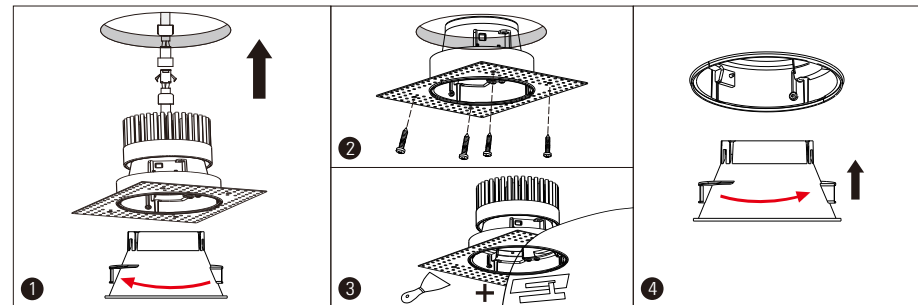
ENGINE INSTALLATION FOR TRIM

Step 1: Connect LED downlight with housing using provided quick-connectors ①.
Step 2: Take off the Trim Shade by rotating the Trim Shade counterclockwise, then insert the downlight body into the ceiling opening ②.
Step 3: Use an electric screwdriver to tighten the two screws clockwise until they are fully secured against the ceiling, then reinstall the Trim Shade ③ ④.



ENGINE INSTALLATION FOR TRIMLESS

Step 1: Take off the Trim Shade by rotating the Trim Shade counterclockwise, then connect the downlight and place it into the ceiling ①.
Step 2: Secure the outer ring to the ceiling with screws ②.
Step 3: Plaster to achieve a seamless finish ③.
Step 4: Finally, tighten the Trim Shade clockwise ④.



ATTENTION: Install in accordance with national and local building and electrical codes.

Page 5

All rights reserved. Due to continuous product improvements, specifications and dimensions are subject to change without notice.

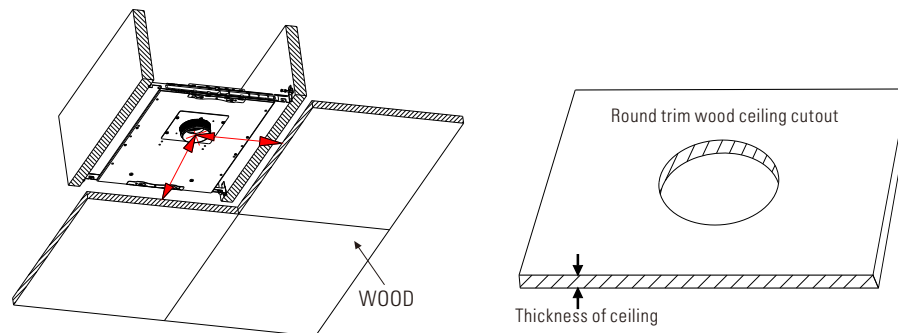


RISK OF FIRE AND ELECTRICAL SHOCK. FIXTURE MUST BE INSTALLED BY A QUALIFIED ELECTRICIAN ONLY IN ACCORDANCE WITH NATIONAL, LOCAL BUILDING AND ELECTRICAL CODES. DISCONNECT POWER AT ELECTRICAL PANEL BEFORE SERVICING.

ENGINE INSTALLATION FOR WOOD CEILING

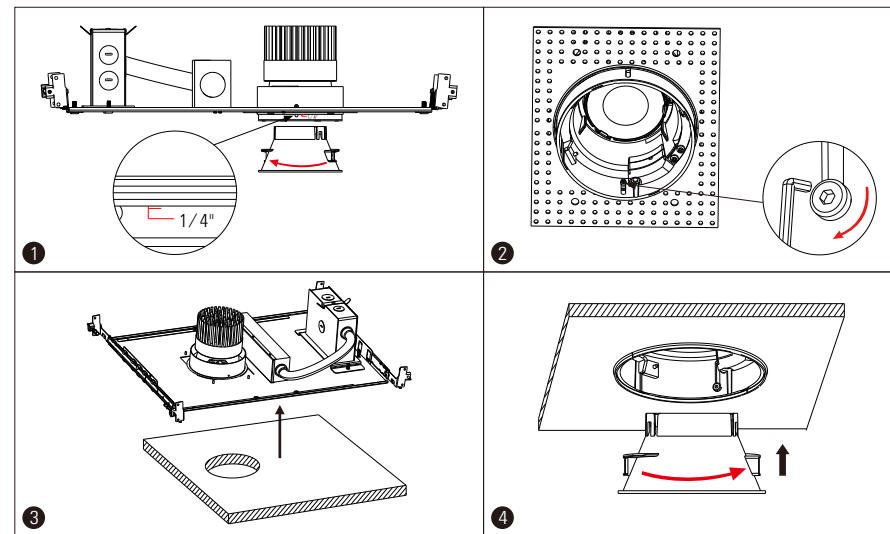
Wood Ceiling Cutout (The size is as per the table A)

1.If thickness of ceiling than more 3/4in, Material of lighting around need expurgate to 3/4in.(Applicable only for: remodel wood ceiling)



INSTALLATION

1. Measure and mark the required center opening position with the edge of the ceiling as a reference.
2. Rotate the Trim Shade counterclockwise to remove it ①.
3. Use a hex wrench to adjust the height of the inner ring according to the ceiling thickness, then tighten it clockwise ② ③.
4. Fine-tune the bracket to the proper position, align the downlight with the opening, and then cover the ceiling ④.
5. Finally, tighten the Trim Shade clockwise.



ATTENTION: Install in accordance with national and local building and electrical codes.

Page 6

All rights reserved. Due to continuous product improvements, specifications and dimensions are subject to change without notice.