

3N1 DOWNLIGHT INSTALLATION GUIDE - WARNING

WARNING – Read all product labels and instructions before installing fixture.

WARNING – Risk of fire or electric shock. LED Retrofit Kit installation requires knowledge of luminaires electrical systems. Installation should be performed only by a qualified electrician in accordance with the National Electrical Code and relevant local code.

WARNING – Risk of fire or electric shock. Install this kit only in the luminaires that have the construction features and dimensions shown in the photographs and/or drawings.

WARNING – To prevent wiring damage or abrasion, do not expose wiring to edges of sheet metal or other sharp objects.

WARNING – Do not make or alter any open holes in an enclosure of wiring or electrical components during kit installation.

WARNING – The recessed luminaire is intended for mounting only in a covered ceiling where only the led side of the luminaire will be exposed to damp or dry locations.

WARNING – INSTALLATION SHOULD ONLY BE PERFORMED AFTER POWER TO THE FIXTURE HAS BEEN DISCONNECTED.

4" J-BOX INSTALLATION

Compatible with most standard 4" J-boxes with minimum height measuring 1.5". Not all existing J-boxes meeting these requirements will be compatible. A test installation should always be performed. J-box is provided by other.

1. Make sure the POWER IS TURNED OFF at the source to the J-box in which you are installing the product.
2. Attach the mounting bracket to the J-box using two of the provided screws. Note the fixture's insert tabs should be facing toward the J-box and for 7" and 9" the mounting bracket's hooked ends should be facing down towards the floor once installed. (fig. 1)
3. Attach the safety cable clip to one of the holes in the mounting bracket, allowing fixture to hang securely. (fig. 2).
4. Wire to the power source (black to hot, white to neutral, green to ground). For 0-10V dimming circuits, connect pink to pink (Dim -) and purple to purple (Dim +). (fig. 3)
5. Adjust the color temperature to desired one, by sliding the orange selector switch. Make sure the switch is never in between positions. (fig. 4)
6. Align fixture's spring clips with bracket's insert tabs. And push the fixture up into the mounting bracket until it clicks into place (fig. 5). Make sure all wires are carefully tucked inside the J-box and downlight is flush with ceiling surface. (fig. 6)
7. Restore power at the source and installation is complete



fig. 1

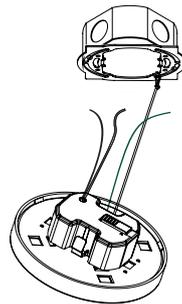


fig. 2

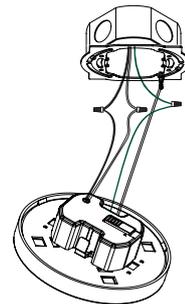


fig. 3

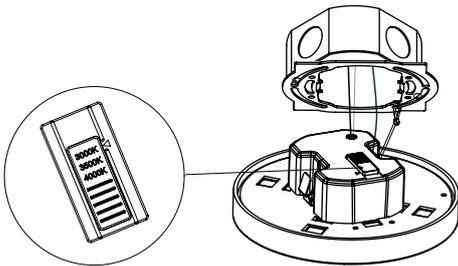


fig. 4

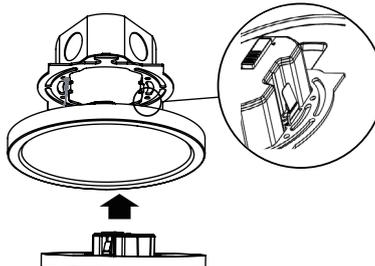


fig. 5



fig. 6

5-6" HOUSING COMPATIBILITY

Compatible with most standard 5-6" IC and Non-IC housings that have spring retaining brackets. Compatible with most recessed housing with an aperture measuring 5.00" to 6.20" and minimum height measuring 5.11". Not all existing housing meeting these requirements will be compatible. A test installation should always be performed.

4" HOUSING COMPATIBILITY

Compatible with most standard 4" IC and Non-IC housings. Compatible with most recessed housing with an aperture measuring 4" and minimum height measuring 5.05". Not all existing housing meeting these requirements will be compatible. A test installation should always be performed.

5-6" RECESSED INCANDESCENT HOUSING INSTALLATION

Only for use with accessory 3N1/ACC/56CAN (sold separately).

1. Make sure the POWER IS TURNED OFF at the source to the recessed housing in which you are installing the product.
2. Insert the wire ends of the fixture into the LED adapter. Insert the black wire into the side marked (+) and the white wire into the side marked (-). Make sure both wires are tightly secured in the LED adapter. (fig. 1)
3. Screw the E26 adapter into the socket. (fig. 2)
4. Insert and Adjust mounting springs on the downlight mounting bracket to match the recessed housing size. Insert and Adjust mounting springs on the downlight mounting bracket to match the recessed housing size. Make sure the mounting springs curved opened hooked ends are facing upward. If installing in 6" recessed housing, adjust to the first hooking location marked (6). For 5" recessed housings, move mounting springs to the second hooking location marked (5). (fig. 3)
5. Make sure the mounting bracket is securely fasten with the downlight and fixtures' spring clips are well aligned and secure with bracket mounting tabs. (fig. 4)
6. Attached the safety cable inside the can housing, use self-tap screw (not provided) if necessary. (fig. 5)
7. Attach the provided green ground wire to inside of the housing using one of the following options: a) Fasten using existing screw inside housing b) Fasten using existing bolt inside housing and provided nut c) Fasten using provided ground screw and existing hole in housing.
8. Connect the end of the E26 adapter to the downlight. (fig. 6)
9. Adjust the color temperature to desired one, by sliding the orange selector switch. Make sure the switch is never in between positions. (fig. 7)
10. Squeeze the mounting springs and insert them inside the housing retaining brackets. Carefully tuck all of the wire inside the housing and gently push the downlight up until flush with ceiling surface. (fig. 8, 9, 10 & 11)
11. Restore power at the source and installation is complete

5-6" RECESSED LED HOUSING INSTALLATION

Follow installation steps above, omitting Steps 2-3. For Step 5, connect the end of the LED housing adapter to the downlight.

TITLE 24 INSTALLATION

For installation inside a Title 24 compliant housing with a GU24 line-voltage base, use the GU24 adapter (sold separately). Proceed to Step 3 of **5-6" RECESSED INCANDESCENT HOUSING INSTALLATION** and substitute the E26 adapter with the GU24 adapter.



fig. 1

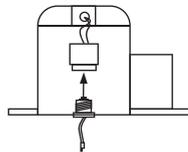


fig. 2

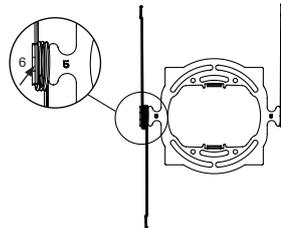


fig. 3

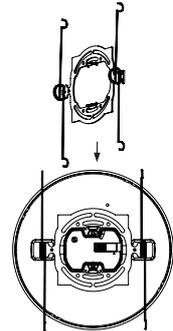


fig. 4

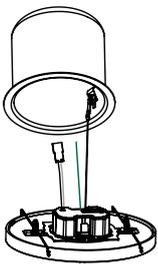


fig. 5

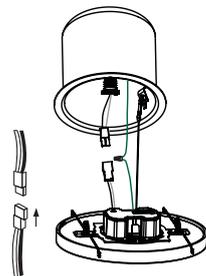


fig. 6

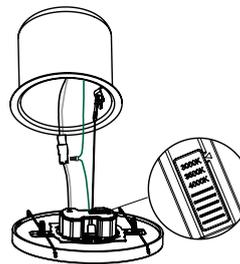


fig. 7

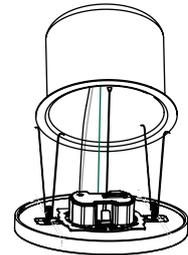


fig. 8

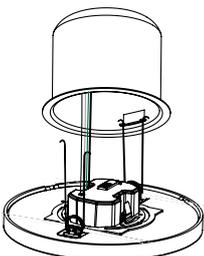


fig. 9

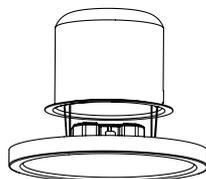


fig. 10



fig. 11

4" RECESSED INCANDESCENT HOUSING INSTALLATION

Only for use with accessory 3N1/ACC/4CAN (sold separately).

1. Make sure the POWER IS TURNED OFF at the source to the recessed housing in which you are installing the product.
2. Insert the wire ends the fixture into the LED adapter. Insert the black wire into the side marked (+) and the white wire into the side marked (-). Make sure both wires are tightly secured in the LED adapter. (fig. 1)
3. Screw the E26 adapter into the socket. (fig. 2)
4. Insert mounting clips (x4) into the downlight mounting bracket. (fig. 3) Make sure the clips are fully inserted and secure into the retaining slot. (fig. 4)
5. Attached the safety cable inside the can housing, use self-tap screw (not provided) if necessary. (fig. 5)
6. Attach the provided green ground wire to inside of the housing using one of the following options: a) Fasten using existing screw inside housing b) Fasten using existing bolt inside housing and provided nut c) Fasten using provided ground screw and existing hole in housing.
7. Connect the end of the E26 adapter to the downlight. (fig. 6)
8. Adjust the color temperature to desired one, by sliding the orange selector switch. Make sure the switch is never in between positions. (fig. 7)
9. Carefully tuck all of the wire inside the housing and gently push the downlight up until flush with ceiling surface (fig. 8 & 9).
10. Restore power at the source and installation is complete



fig. 1

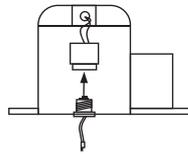


fig. 2

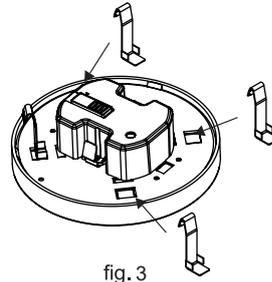


fig. 3

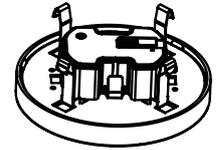


fig. 4

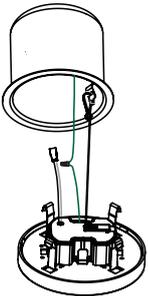


fig. 5

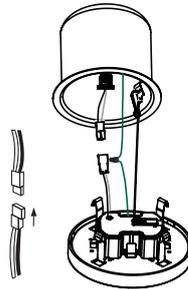


fig. 6

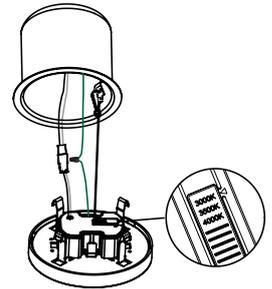


fig. 7

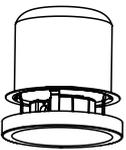


fig. 8



fig. 9

SPRING J-BOX ACCESSORY INSTALLATION

Only for use with accessory 3N1/ACC/JBOX (sold separately).

1. Make sure the POWER IS TURNED OFF at the source to the J-box in which you are installing the product.
2. If existing light fixture is present, remove from ceiling or move it out of the way as it will not be needed during installation. Measure the ceiling opening to make sure the edge of the luminaire will cover the entire hole and still sit firmly in the ceiling before proceeding. Follow below minimum and maximum opening holes.
3. If a new hole is needed cut a hole within minimum and maximum opening diameter table below.(fig. 1)
4. Remove the mounting bracket from the fixture and dispose it properly (fully made of steel bracket, can be recycled).
5. Use your two hands to slightly lift the springs-action clips of the 3N1/ACC/JBOX. Align the two-sided hooked spring ties with the fixtures back mounting holes. Carefully tuck all of the wire inside the Jbox and gently push the Jbox down until it clicks inside the mouting holes and it's flush with fixture surface, the spring ties can be pinched for easier insert or removal. Make sure the Jbox is securely attached and the spring ties are entirely inserted and spread inside the fixture mounting holes. (fig. 2)
6. Open the Jbox cover and remove convenient knock-out (fig. 3). If needed insert the provided cable clamp into the opened knock-out. If you are using MC Flex Cable with 5" 3N1 you need to use a 90° flex box connector (fig. 4).
7. Insert the incoming power wire through the wire clamp or insert incoming power MC flex wire into the opened knock-out or inside the 90° flex box connector. Wire to the power source (black to hot, white to neutral, green to ground). For 0-10V dimming circuits, connect pink to pink (Dim -) and purple to purple (Dim +). Adjust the color temperature to desired one, by sliding the orange selector switch. Make sure the switch is never in between positions. (fig. 5) Close the Jbox cover. (fig. 6)
8. Push up the spring-action clips and insert the downlight into the ceiling. Release the springs and make sure the downlight is secure and sitting flush in the ceiling. (fig. 7 & 8)
9. Restore power at the source and installation is complete.

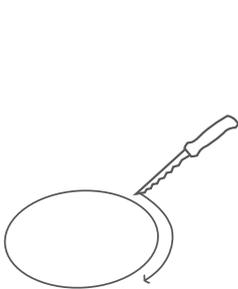


fig. 1

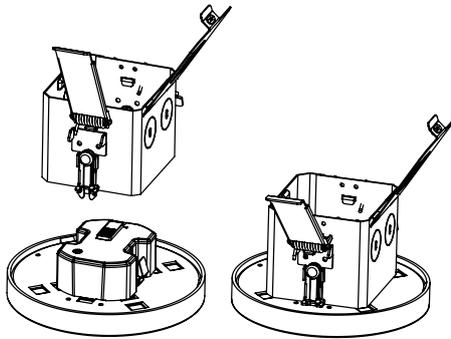


fig. 2

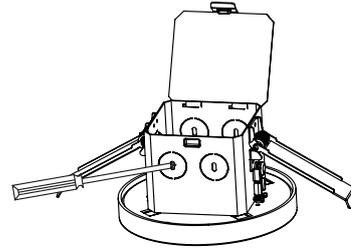


fig. 3

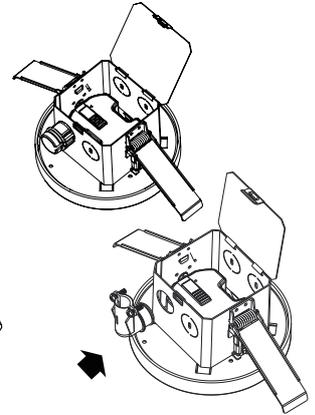


fig. 4

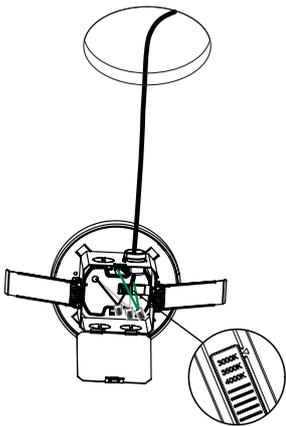


fig. 5

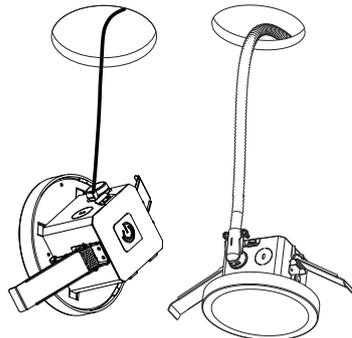


fig. 6

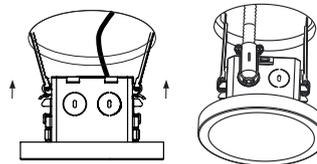


fig. 7

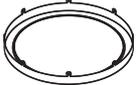


fig. 8

Ceiling Cutout With GC JBOX

Fixture Size	Fixture outer diameter	Fixture Height	Min. Ceiling cut out	Max. Ceiling cut out
5	5-3/8"	3-1/8"	4-3/8"	4-3/4"
7	8"	3-1/8"	4-3/8"	6-1/2"
9	9"	3-1/8"	4-3/8"	7-1/2"

3N1 TRIM KIT INSTALLATION GUIDE

3N1 TRIM KIT & DOWNLIGHT COMPATIBILITY	
3N1 TRIM KIT	COMPATIBLE PRODUCTS
 3N1/TRM/5/BL 3N1/TRM/5/BZ 3N1/TRM/5/BN	3N1/5/90/CCTS/DIM120V 3N1/5/90/CCTS/DIM010UNV
 3N1/TRM/7/BL 3N1/TRM/7/BZ 3N1/TRM/7/BN	3N1/7/90/CCTS/DIM120V 3N1/7/90/CCTS/DIM010UNV
 3N1/TRM/9/BL 3N1/TRM/9/BZ 3N1/TRM/9/BN	3N1/9/90/CCTS/DIM120V 3N1/9/90/CCTS/DIM010UNV

3N1 TRIM KIT INSTALLATION

1. Position the trim kit over the 3N1 downlight. (fig. 1)
2. Secure the trim by folding the tabs over the downlight's existing trim. (fig. 2)
3. Follow 3N1 downlight installation instructions to complete installation. (fig. 3)

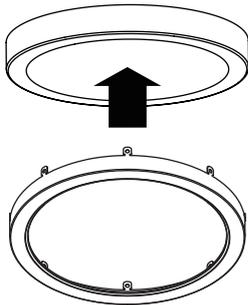


fig. 1

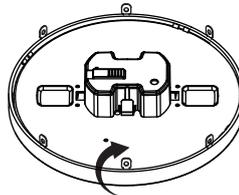


fig. 2

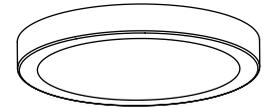


fig. 3