Installation Instructions

NU2 Round and Square Adjustable Downlight

*Installation Instructions are applicable for other versions.



WARNING – READ ALL INSTRUCTIONS PRIOR TO INSTALLATION
READ AND FOLLOW ALL WARNINGS AND INSTRUCTIONS BEFORE INSTALLING OR MAINTAINING THIS PRODUCT.
TURN OFF POWER PRIOR TO ANY WORK ON THE SYSTEM OR PRODUCT.
DO NOT INSTALL DAMAGED PRODUCT.
AMBIENT TEMPERATURE AT LUMINAIRE LOCATION SHOULD NOT EXCEED 35℃ DURING NORMAL OPERATION.

Installing, wiring, and maintenance must be done by qualified persons or a certified electrician in accordance with all local and National Electrical Codes.

Warranty is voided in case of unauthorized modifications and/or improper use.

Save these instructions. Use as reference when service or maintenance is performed.

CAUTION – For Non – IC fixtures, do not install any fixture assembly closer than 6 inches (15.24cm) from any combustible material (insulation).

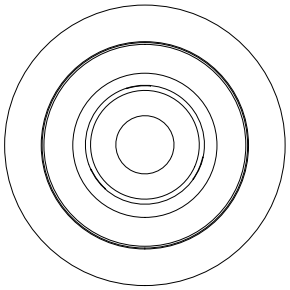
New Construction Mounting Plate driver compartments are rated for through wiring.

Refer to product label for voltage requirements and properly ground fixture in accordance with all local and national electrical codes.

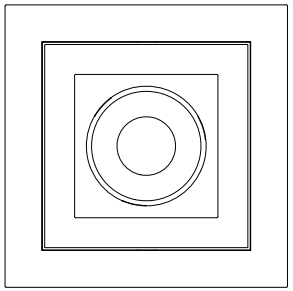
If building and product supports optional dimming, connect dimming leads to dimming control system (provided by others). Refer to product label for dimming requirements. Isolate dimming wires individually if not in use.

For direct insulation contact (NCINH/RETINH) review specification sheets.

ROUND CUTOUT 2-3/4" DIAMETER



SQUARE CUTOUT 2-3/4" x 2-3/4"



⚠ WARNING ⚠

- **To avoid possible electrical shock, before installing light fixtures, disconnect power by turning off the circuit breakers both to the outlet box and to its associated wall switch location. If you cannot lock the circuit breakers in the off position, securely fasten a prominent warning device, such as a tag, to the service panel.**
- **Verify that supply voltage is correct by comparing it with the luminaire label information.**
- **Make all electrical and ground connections in the accordance with the National Electrical Code (NEC) and any applicable local code requirements.**
- **Wait for fixture and driver to cool before servicing and performing maintenance.**

⚠ CAUTION ⚠

- **All wiring must comply with national and local electrical codes and ANSI/NFPA 70. If you are unfamiliar with wiring, consult a qualified electrician.**
- **PPE Personal Protective Equipment such as gloves and safety glasses should always be used when installing, maintaining or servicing.**
- **Risk of fire. Keep combustible material away from fixtures.**

⚠ ADVERTENCIA ⚠

- **Para evitar un choque eléctrico, antes de instalar luminarias, desconecte la alimentación apagando los interruptores de circuito en el panel de servicio y en las paredes. Si no es posible bloquear los interruptores en la posición de apagado, sujete una etiqueta de seguridad en el panel de servicio.**
- **Compruebe que la tensión de alimentación es correcta comparándola con la información en la etiqueta de la luminaria.**
- **Haga todas las conexiones eléctricas y puesta a tierra de acuerdo con el código eléctrico nacional (NEC) y los requisitos del código local aplicable.**
- **Espere hasta que la luminaria y el controlador se enfríen antes de empezar el servicio y mantenimiento.**

⚠ PRECAUCION ⚠

- **Todo el cableado debe cumplir con los códigos eléctricos nacionales y locales y ANSI/NFPA 70. Si no está familiarizado con el cableado, consulte a un electricista.**
- **Al instalar, mantener o reparar, siempre se debe utilizar equipo de protección personal como guantes y lentes de seguridad**
- **Riesgo de incendio. Mantenga los materiales combustibles lejos de las luminarias.**

⚠ AVERTISSEMENT ⚠

- **Pour éviter les chocs, avant d'installer des appareils d'éclairage, coupez l'alimentation en désactivant les disjoncteurs et l'emplacement du commutateur mural. Si vous ne pouvez pas verrouiller les disjoncteurs en position d'arrêt, fixer un avertissement sur le panneau de service.**
- **Vérifiez que la tension d'alimentation est correcte en le comparant avec les informations d'étiquette de luminaire.**
- **Effectuer tous les raccordements électriques et mise à la terre dans la conformité avec le Code électrique National (NEC) et des exigencies du code local applicable.**
- **Laisser suffisamment de temps pour l'appareil et pilote refroidir avant d'effectuer l'entretien et la maintenance.**

⚠ MIS EN GARDE ⚠

- **Tout le câblage doit être effectué conformément aux codes électriques locaux et nationaux et ANSI/NFPA 70. Si vous êtes peu familier avec câblage, vous devez utiliser un électricien qualifié.**
- **Équipement de protection personnelle comme des gants et des lunettes de sécurité doivent être utilisé en tout temps lors de l'installation, maintenance ou entretien.**
- **Risque d'incendie. Garder les matières combustibles loin de luminaires.**

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INSTRUCTIONS FOR USE

De-energize circuit before installation.

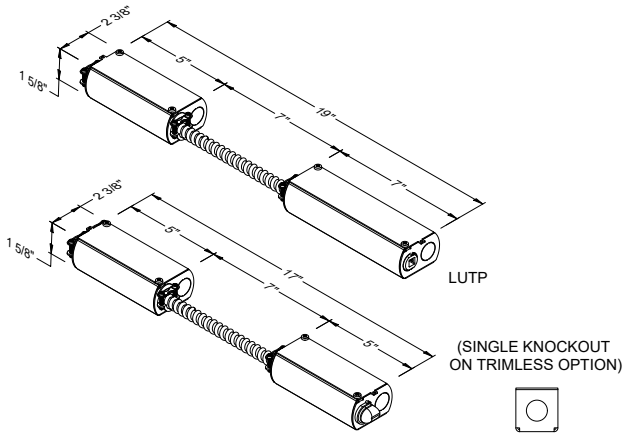
RETROFIT:

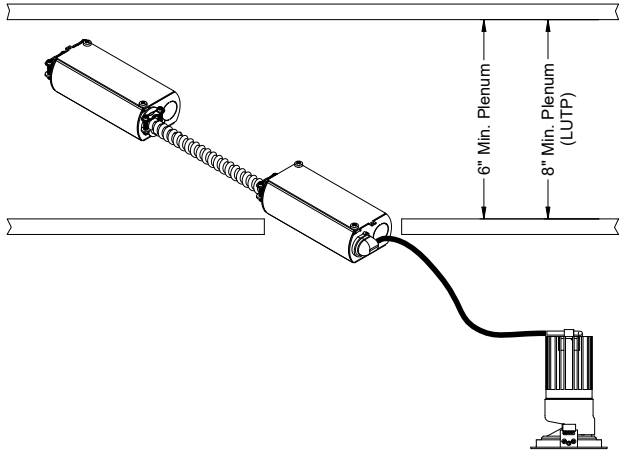
New Construction Mounting Plate not used. Ensure area above finished ceiling will accommodate placement of fixture and driver compartment. Refer to product cut sheet and cut hole into ceiling as required. Feed building electrical conduit through ceiling cutout and ensure enough conduit length for future serviceability. Open driver compartment and use knockouts to connect building electrical conduit to driver compartment using appropriate hardware (not provided). Connect line, neutral, and ground wires to building electrical supply. Close driver compartment lid. For future servicing, do not fasten driver compartment to ceiling.

NEW CONSTRUCTION/PLENUM HOUSINGS:

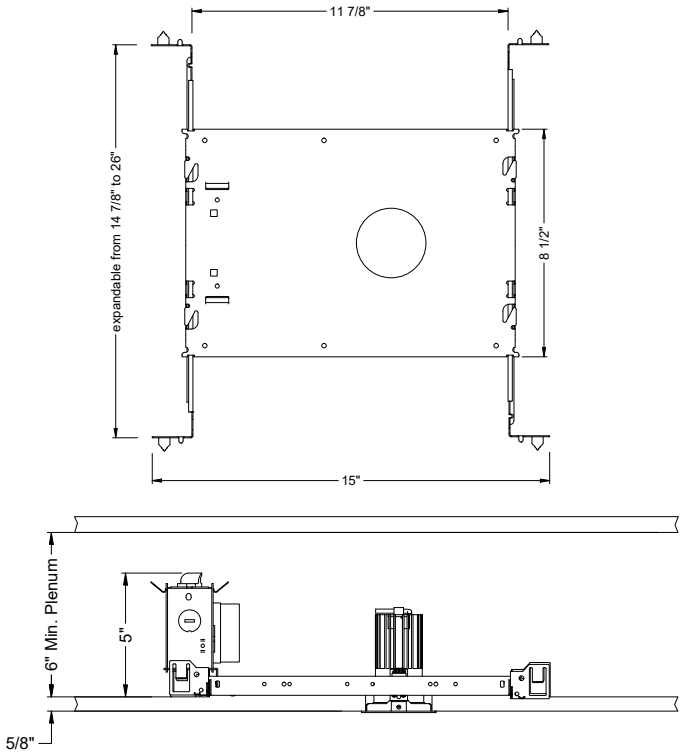
Adjust hanger bars to size and secure using integral nails and screws or suspend in T-Bar grid ceiling. Ensure the fixture is properly supported and attached to building. Refer to product cut sheet and cut hole into ceiling as required. Open wiring compartment and use knockouts to connect electrical conduit to wiring compartment using appropriate hardware (not provided). Connect line, neutral, and ground wires to building electrical supply. Close driver compartment lid. For future servicing, do not fasten driver compartment to ceiling.

RET - RETROFIT

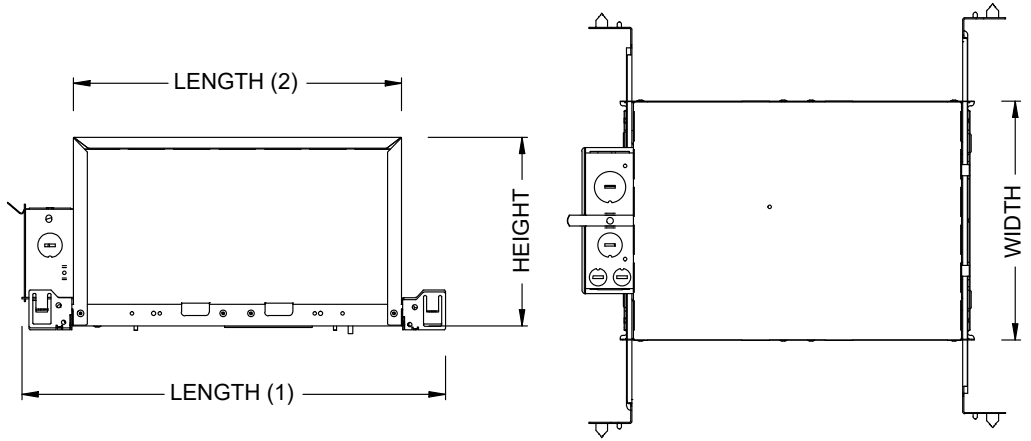




NC - NEW CONSTRUCTION



IC - INSULATION CONTACT HOUSING
ICAT - INSULATION CONTACT / AIR TIGHT
CP - CHICAGO PLENUM



BOX SIZE	L 1	L 2	W	H
A	15-7/16"	11-3/4"	8-1/2"	6-3/4"

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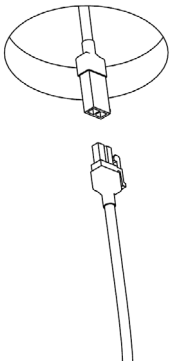
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FIXTURE INSTALLATION:

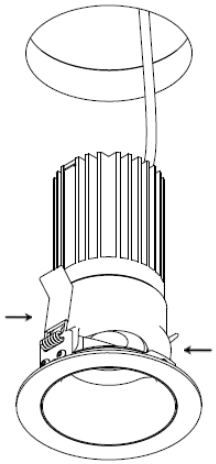
1. Connect the low voltage building wiring to the provided in-line connectors on the LED Module Assembly. ***(Figure a.)***
2. Squeeze the spring arms on the trim and position the fixture under the desired install location. ***(Figure b.)***
3. Insert the LED module slowly release the spring arms ensuring that the fixture is being properly seated in the hole cutout. ***(Figure c.)***
4. Energize circuit and test for proper operation.

HOLE CUTOUT:
ROUND - 2-3/4" DIAMETER
SQUARE - 2-3/4" x 2-3/4"

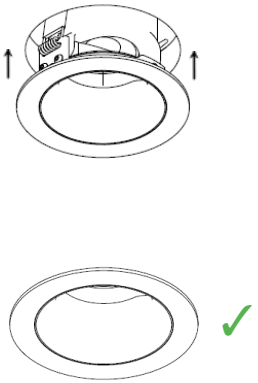
a.



b.



c.

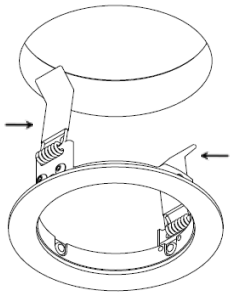


ALTERNATE FIXTURE INSTALLATION

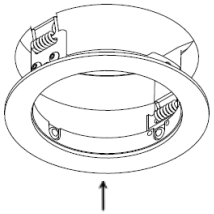
1. Raise and squeeze the trim torsion spring arms and position the fixture under the desired install location. ***(Figure a.)***
2. Insert the trim in the ceiling cutout and release the spring arms ensuring the trim is being properly seated against the ceiling. ***(Figure b.)***
3. Connect the low voltage building wiring to the provided in-line connectors on the LED Module. ***(Figure c.)***
4. Insert the LED Module into the trim until properly seated. ***(Figure d.)***
5. Energize circuit and test for proper operation.

HOLE CUTOUT:
ROUND - 2-3/4" DIAMETER
SQUARE - 2-3/4" x 2-3/4"

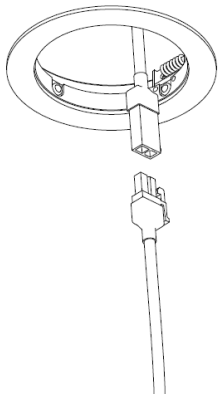
a.



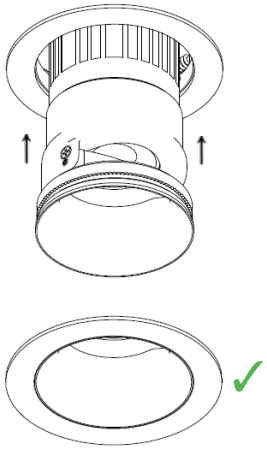
b.



c.



d.

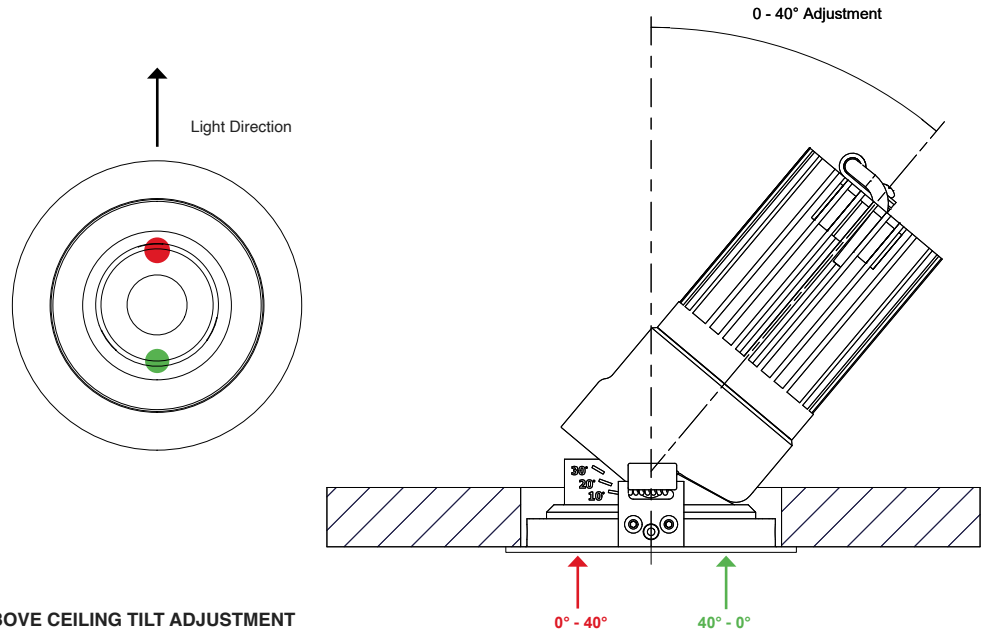


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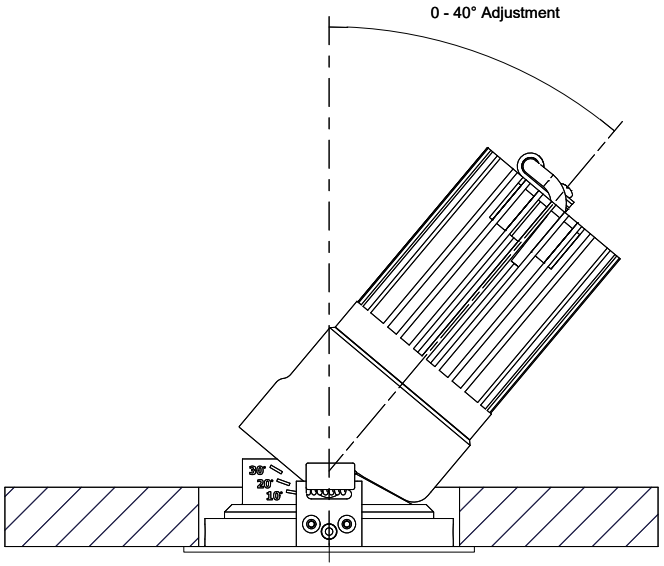
BELOW CEILING TILT ADJUSTMENT

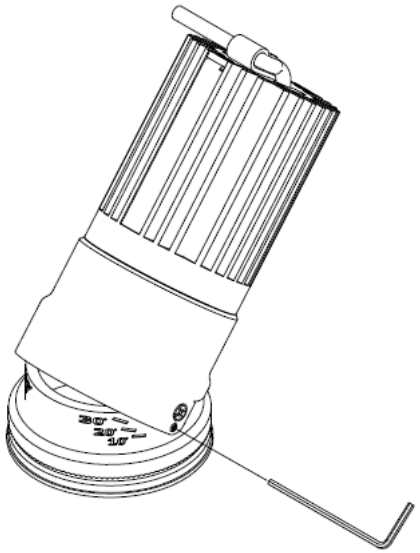
- Push on the optic/media to adjust tilt angle by hand.
- **NOTE: DO NOT PRESS WITH EXCESSIVE FORCE AS IT MAY CAUSE DAMGE TO FIXTURE**



ABOVE CEILING TILT ADJUSTMENT

- Grab heatsink and adjust tilt angle by hand.
  NOTE: DO NOT ADJUST PAST LIMITS AS IT MAY CAUSE DAMAGE TO FIXTURE





NOTE: TILT CAN BE LOCKED USING THE ATTACHED SET SCREW. LOCKING ONLY ACHIEVEABLE FROM BELOW THE CEILING

CEILING THICKNESS	TILT
1/8" to 3/4"	40°
1"	30°
1-1/2"	20°
2"	10°

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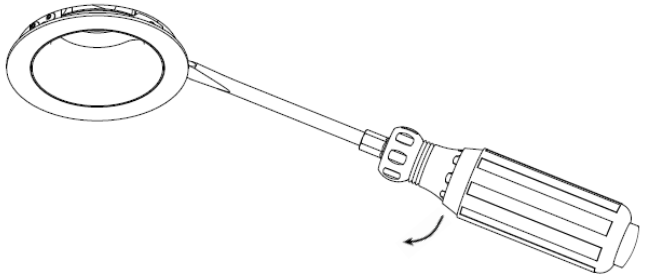
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FIXTURE REMOVAL

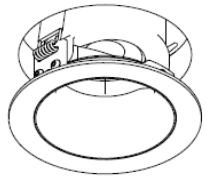
De-energize circuit before removal.

1. Remove the trim from the ceiling by pulling the trim away from the ceiling by hand. **NOTE: If necessary, carefully wedge a thin object under the trim ensuring that trim paint is not being damaged and gently pry trim from surface.** *(Figure a.)*
2. Slowly pull the trim and LED Module Assembly away from the ceiling until spring arms are visible. *(Figure b.)*
3. Compress the spring arms against the module and continue to remove from ceiling until fully removed. *(Figure c.*)
4. Carefully release spring arms.
5. Disconnect from building wiring if necessary.

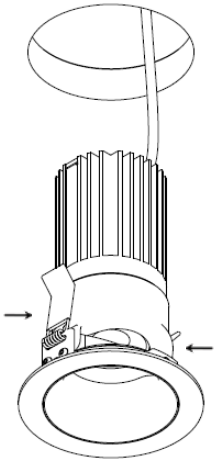
a.



b.



c.



LED MODULE REMOVAL (Trim Remains Installed)

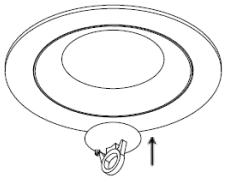
De-energize circuit before removal.

1. Place finger in bezel opening and pull away from surface to detach LED Module from trim. For lensed fixtures use suction cup (consult factory). *(Figure a & b.)*
2. Pull the module entirely out, hold trim in place if necessary. *(Figure c.)*
3. Disconnect from building wiring.

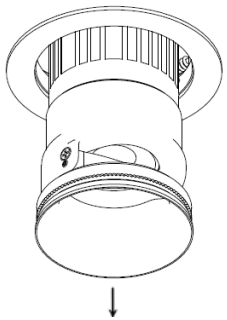
a.



b.



c.



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