

Installation Instructions

NHSIC-4 SERIES JUNCTION BOX FIXTURE

READ PRIOR TO ATTEMPTING INSTALLATION
ALWAYS TURN OFF MAIN POWER BEFORE INSTALLATION
INSTALLATION SHOULD BE CARRIED OUT BY YOUR LOCAL ELECTRICIAN

⚠ WARNING - Risk of fire or electric shock. LED Retrofit Kit installation requires knowledge of luminaires electrical systems. If not qualified, do not attempt installation. Contact a qualified electrician.

⚠ WARNING - Risk of fire or electric shock. Install this kit only in luminaires that have the construction features and dimensions shown in the photographs and / or drawings and where the input rating of the retrofit kit does not exceed the input rating of the luminaire.

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

⚠ WARNING - Only those open holes indicated in the photographs and / or drawings maybe made or altered as a result of kit installation. Do not leave other open holes in an enclosure of wiring or electrical components.

⚠ WARNING - This equipment is intended to be installed only by qualified personnel. The installation must be made in accordance with the current edition to the National Electric Code and all applicable state and local building codes. The final installation must be approved by the appropriate qualified electrical/building inspector(s). Improper installation may result in a fire or electrical hazard. Be sure the electrical power to the circuit has been disconnected before installing this electrical system.

⚠ AVERTISSEMENT - Risque d'incendie ou d'électrocution. L'installation du kit LED Retrofit requiert la connaissance des systèmes électriques des luminaires. Si vous n'êtes pas qualifié, ne tentez pas l'installation. Contactez un électricien qualifié.

⚠ AVERTISSEMENT - Risque d'incendie ou de choc électrique. N'installez ce kit que dans des luminaires ayant les caractéristiques de construction et les dimensions indiquées sur les photographies et / ou les dessins et dont la valeur d'entrée du kit de conversion ne dépasse pas la puissance nominale du luminaire.

⚠ AVERTISSEMENT - Pour éviter d'endommager le câblage ou l'abrasion, n'exposez pas le câblage aux bords de la tôle ou d'autres objets pointus.

⚠ AVERTISSEMENT - Seuls les trous ouverts indiqués sur les photographies et / ou les dessins peuvent être réalisés ou modifiés à la suite de l'installation du kit. Ne laissez pas d'autres trous ouverts dans une enceinte de câblage ou de composants électriques.

⚠ AVERTISSEMENT - Cet équipement est destiné à être installé uniquement par du personnel qualifié. L'installation doit être faite en conformité avec l'édition actuelle du Code national de l'électricité et toutes étatiques et locales codes du bâtiment applicables. L'installation finale doit être approuvée par l'inspecteur en électricité / bâtiment qualifié approprié(s). Une mauvaise installation peut entraîner un incendie ou un risque électrique. Soyez sûr de la puissance électrique vers le circuit a été coupée avant l'installation de ce système électrique.

THIS RETROFIT KIT IS ACCEPTED AS A COMPONENT OF A LUMINAIRE WHERE THE SUITABILITY OF THE COMBINATION SHALL BE DETERMINED BY AUTHORITIES HAVING JURISDICTION.

CE KIT DE RETROFIT EST ACCEPTÉ COMME COMPOSANT D'UN LUMINAIRE O WH L'ADÉQUATION DE LA COMBINAISON EST DÉTERMINÉE PAR LES AUTORITÉS COMPÉTENTES.

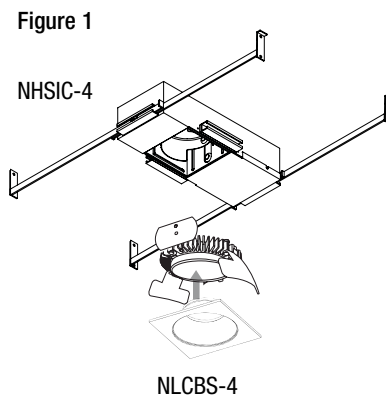


Figure 2 - Retrofit Kit

- A. Wrench Tool**
B. Hanger Bar Screw
C. Hanger Bars

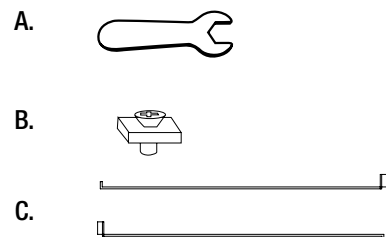
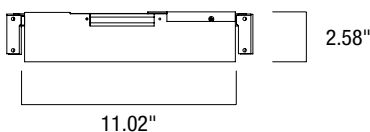
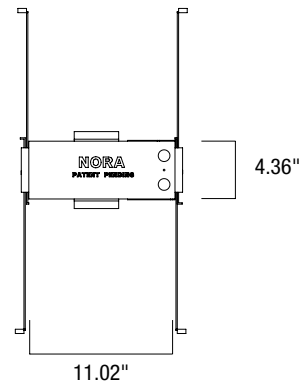


Figure 3



Safety tests were conducted in minimum housing dimension specified (Fig. 3). Luminaire malfunction and overheating may occur if installed into a smaller housing.



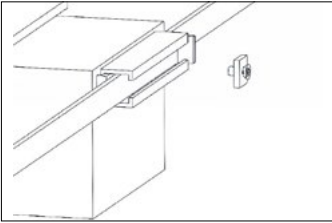
Installation Instructions

NHSIC-4 SERIES JUNCTION BOX FIXTURE

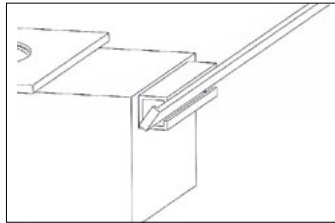
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HOUSING INSTRUCTIONS:

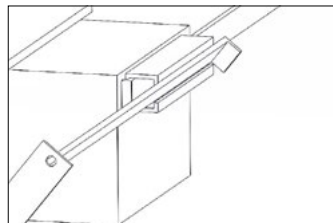
1. Loosen screw to adjust the bar.
2. Screw back to set the bars. (Max span: 24")



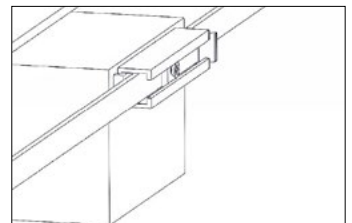
Loosen hanger bar screw.



Adjust one hanger bar to desired length.



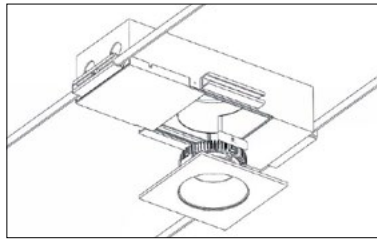
Adjust the other hanger bar to desired length also.



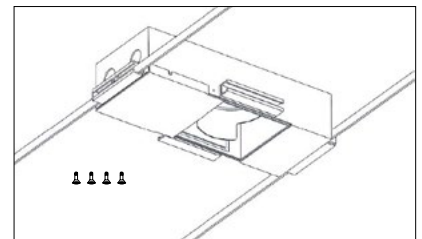
Secure and screw back the hanger bars.

TO ACCESS DRIVER:

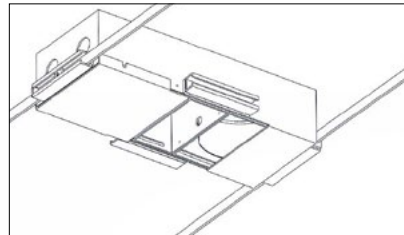
1. Remove trim.
2. Loosen 4 screws.
3. Slide the inner boxes to access the driver.
4. Slide back.
5. Tighten screws when box is in desired position.
6. Replace trim.



Remove trim.



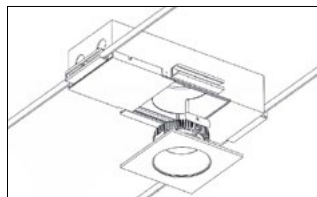
Loosen 4 screws.



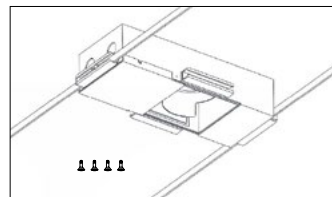
Slide inner box to access the driver.

TO ACCESS WIRING COMPARTMENT:

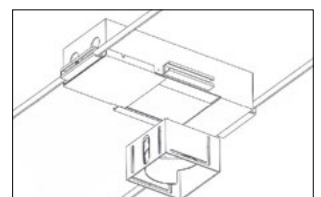
1. Remove trim.
2. Remove 4 screws.
3. Remove fixture box.
4. Slide and remove driver box.
5. Replace driver box.
6. Replace fixture box.
7. Tighten screws.
8. Replace trim.



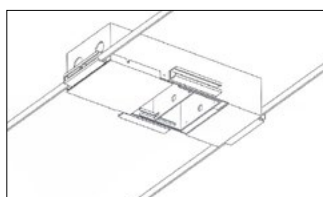
Remove trim.



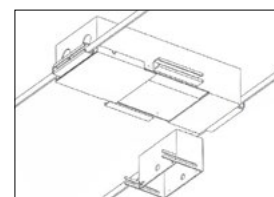
Loosen 4 screws.



Remove fixture box.



Slide driver box.



Remove driver box.

Installation Instructions

DOUBLE WALL HOUSING

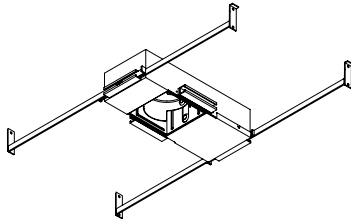
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Fixtures are listed for insulated ceilings—Type IC, airtight—AT and for suspended ceilings—Type S. To insure safe and reliable operations, make sure the fixture corresponds to the proper ceiling installation. Read the following material carefully before beginning installation.
In general these instructions apply to “round” housings. Drawings of “round” housings have been used to illustrate installation procedures.
Before attempting installation of any recessed lighting fixture check your local electrical code. This code sets the wiring standards for your locality and should be carefully studied before starting work.

INSULATED CEILINGS - TYPE IC

Insulated Ceiling

The insulated ceiling or IC approved recessed fixture is one that can be installed in direct contact with insulation.



SUSPENDED CEILINGS - TYPE S

Fixture can be installed in suspended ceilings that are not permanent or insulated.

AIRTIGHT INSTALLATION

Nora housings certified under ASTM E283 are supplied with a pre-installed gasket or supplied with a ready-to-install self adhesive gasket.

- Step 1. Lay gasket flat and peel protective paper backing from gasket to expose adhesive side.
- Step 2. Apply supplied gasket to ceiling lip and wrap gasket around inside of housing to form seal of the ceiling opening or apply caulk per state/local code. When properly installed, Nora housings provide compliance with restricted air-flow regulations.

FIRE/ELECTRICAL HAZARD: INSTALL ACCORDING TO NATIONAL ELECTRIC CODE AND ANY APPLICABLE MUNICIPAL CODE REQUIREMENTS.

This equipment is intended to be installed only by qualified personnel. The installation must be made in accordance with the current edition to the National Electric Code and all applicable state and local building codes. The final installation must be approved by the appropriate qualified electrical/building inspector(s). Improper installation may result in a fire or electrical hazard. Be sure the electrical power to the circuit has been disconnected before installing this electrical system.
For ballast replacement, a qualified electrician can replace the ballast without the cutting of wires. For additional details, contact technical support at 800.686.6672.

FEU / RISQUE ÉLECTRIQUE: INSTALLER SELON le code électrique national et les exigences de CODE municipaux applicables.

Cet équipement est destiné à être installé par un personnel qualifié. L'installation doit être faite conformément à l'édition actuelle du Code national de l'électricité et tous les codes d'état et de construction locaux applicables. L'installation finale doit être approuvée par l'inspecteur en électricité / bâtiment qualifié approprié (s). Une mauvaise installation peut provoquer un incendie ou un risque électrique. Assurez-vous que l'alimentation électrique du circuit a été coupée avant l'installation de ce système électrique.

Pour le remplacement du ballast, un électricien qualifié peut remplacer le ballast sans la coupe de fils. Pour plus de détails, contactez le support technique au 800.686.6672.

IMPORTANT- RISK OF FIRE:

Most dwellings built before 1985 have supply wire rated 60 degrees Celsius (thermal cutoffs in fixtures operate at 90 degrees Celsius); consult a qualified electrician prior to installation. If supply wires are located within three inches of ballast, use wire rated for at least 90°C.
A qualified electrician can replace this ballast without cutting wires. Contact technical support at 1-800-686-6672 for additional details.

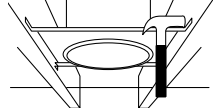
IMPORTANT-RISQUE D'INCENDIE:

La plupart des logements construits avant 1985 ont le fil d'alimentation nominale de 60 degrés Celsius (disjoncteurs thermiques dans les appareils fonctionnent à 90 degrés Celsius); consultez un électricien qualifié avant l'installation. Si les fils d'alimentation sont situés à moins de trois pouces de ballast, l'utilisation de fil résister au moins à 90 ° C.
Un électricien qualifié peut remplacer ce ballast sans couper les fils. Contactez le support technique au 1-800-686-6672 pour plus de détails.

TO INSTALL HOUSING:

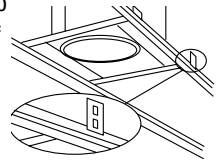
STANDARD “JOIST” CEILINGS:

- 1) Use bar hangers to attach fixture between ceiling joists. Each end of the bar hanger is equipped with a nail-in barbed tab. Additional hardware such as screws or nails may be used if extra support is necessary.
- 2) For steel studs, use steel piercing screws in place of nails or barbed tabs.
- 3) Remove shipping screw from underneath side of plaster frame.



T-BAR CEILINGS:

- 1) If mounting to a T-Bar type ceiling, mount fixture onto grid by placing notches on the bottom of each end of the bar hanger over the grid.
- 2) Tie fixture to grid with structural wire going through both the circular knockout on the end of the bar hanger and nearest accompanying knockout on the ceiling grid.

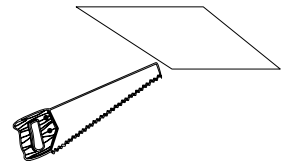


Note: It is imperative to tie down the fixture to prevent the fixture from being pushed above the ceiling during trim installation.

CUTTING A HOLE:

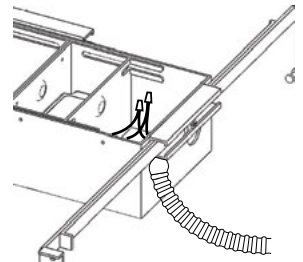
STANDARD “JOIST” CEILINGS:

- 1) Locate the center of proposed opening on your tile or ceiling and mark it.
- 2) Use a compass to draw a circle in diameter around the center point.
Cut out 4” square hole
- 3) Cut along this circular line.



ELECTRICAL CONNECTIONS:

1. Connect 1/2 inch trade size steel conduit to junction box with appropriate fitting.
2. Connect -
 - Black - Supply Voltage
 - White - Neutral
 - Green Grounding J-Box Wire - Copper or green grounding wire



NOTE ON GROUNDING: Many structures carry grounding via steel conduit. If this is the case, if there is no grounding wire, simply leave green wire on fixture unattached. Fixture will be grounded through attachment of conduit to junction box. However, if Romex or PVC conduit is used, ground wire will always be present, and must be connected to green wire on fixture junction box to avoid electrical shock hazard.