

Installation Instructions

Remote Controlled Spotlight Type Nova for Ultra Airtight IC Housing Installation

BEFORE YOU START

Read these instructions carefully. For the latest instructions on all our products see www.rclighting.com/downloads

These instructions cover the following installation methods:

- A IC Housing Installation
- B Wiring Instructions
- C Fixture Installation
- D Fixture Removal
- E Accessory Installation

IMPORTANT

- When installing Nova, ensure that the mounting surface is flat ($\pm 5^\circ$).

IMPORTANT SAFETY INFORMATION CONSIGNES DE SÉCURITÉ IMPORTANTES

- A Read all instructions.
Lire toutes les instructions.
- B Do not install any luminaire assembly closer than 6 inches from any curtain, or similar combustible material.
N'installez aucun luminaire à moins de 6 pouces d'un rideau ou d'un matériau combustible similaire.

SAVE THESE INSTRUCTIONS CONSERVEZ CES INSTRUCTIONS

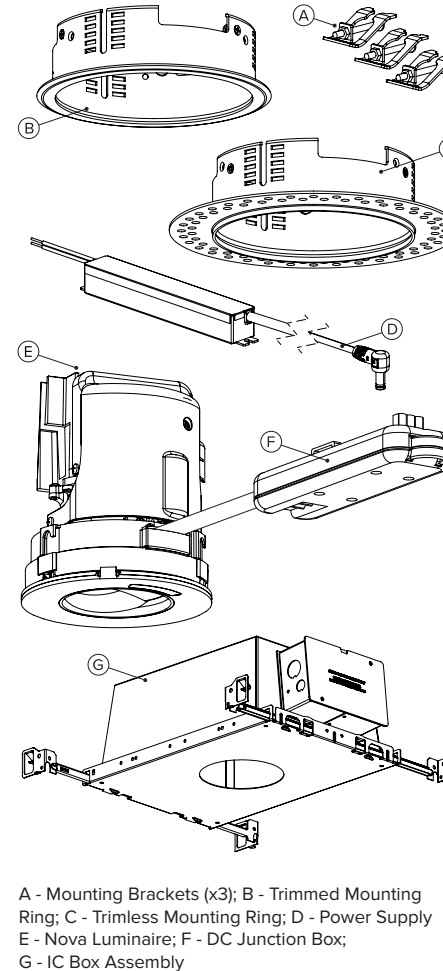
PRODUCT IS NOT SUITABLE FOR PHASE DIMMING

THIS PRODUCT MUST BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE INSTALLATION CODE BY A PERSON FAMILIAR WITH THE CONSTRUCTION AND OPERATION OF THE PRODUCT AND THE HAZARDS INVOLVED.

- Ensure electrical rating shown on product label conforms to input voltage supply.
- Do not modify the product in any way. RCL accepts no responsibility for damage caused by modifying this product.
- Product is rated for dry or damp locations only.
- This symbol indicates the minimum distance to a lighted object and must be observed.
- Caution, product will become hot in use. Allow to cool before touching. Ambient temperatures should not exceed 25°C/77°F in desired mounting location.
- Dispose of this product in accordance with WEEE or other national regulations.
- Products marked with this symbol are ETL Certified.
- Products marked with this symbol are compliant with Class III regulations.

IC Housing Installation

- 1 Before you start, check that you have all the parts listed below. Only 1 part of either (B) or (C) should be included.

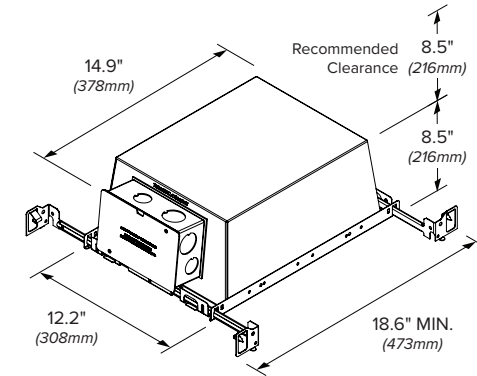


A - Mounting Brackets (x3); B - Trimmed Mounting Ring; C - Trimless Mounting Ring; D - Power Supply
E - Nova Luminaire; F - DC Junction Box;
G - IC Box Assembly

IMPORTANT

- IC Housing must only be installed in surfaces of sound structural integrity
- IC Housing assembly should be installed in dry or damp locations only

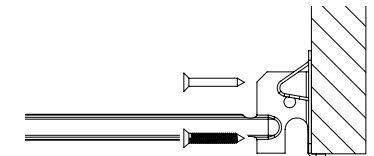
- 2 Kiwi is rated for use in insulated ceilings with zero clearance to building members.



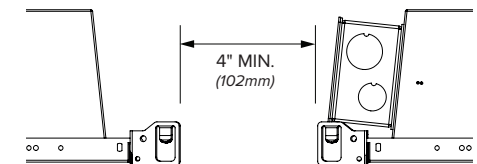
- 3 Nova IC Housing contains bar hangers suitable to fit between 16" spaced joists and 24" spaced joists. To assemble, feed the two mating parts together through the mounting brackets on the side of the plaster frame.



- 4 With the IC Housing raised into the ceiling cavity, extend the bar hangers to meet each joist ensuring that the foot flange is flush with the under-side of the joist.
- 5 Examine your joist material. If the joist is wood, hammer in 5-point nail support and two wood screws or nails to fix the hanger arm in position. If the joist is metal, use suitable screws.

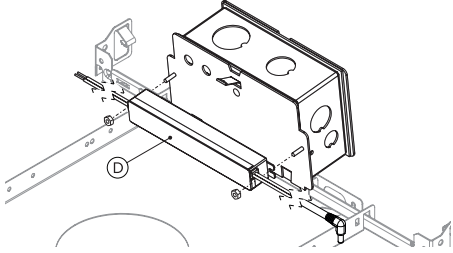


- 6 For multiple installations, ensure a minimum distance of 4" (100mm) between IC Housing assemblies.

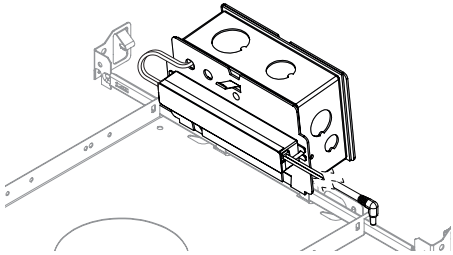


B Wiring Instructions

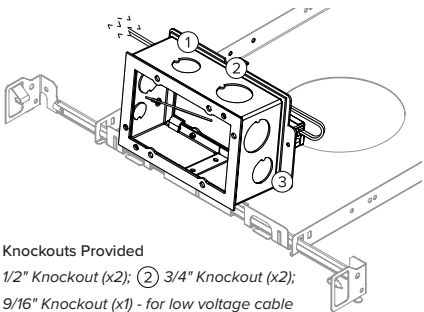
- 1 Insert the power supply through the plaster mounting frame and fasten to the inside cover of the junction box using two 8/32" hex nuts.



- 2 Feed the power supply flying lead into the junction box via the hole provided.



- 3 Bring field wiring in through the provided knockouts in the junction box.



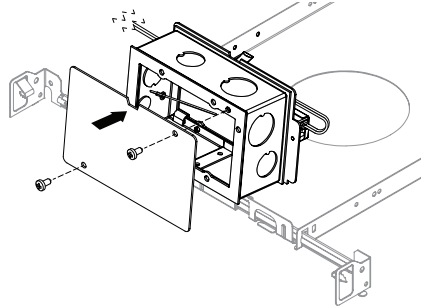
Knockouts Provided

- ① 1/2" Knockout (x2);
- ② 3/4" Knockout (x2);
- ③ 9/16" Knockout (x1) - for low voltage cable (installation codes permitting)

NOTES

- Input wiring color code:
Hot - Brown
Neutral - Blue
Ground - Green (insulated)

- 4 Fasten outer junction box cover to the gasket using two 8-32" self-tapping screws.

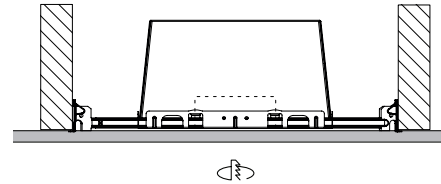


CAUTION

- Leave enough of a service loop of wire to inspect and repair the splices and power supply via the aperture of the fixture after the ceiling is closed.

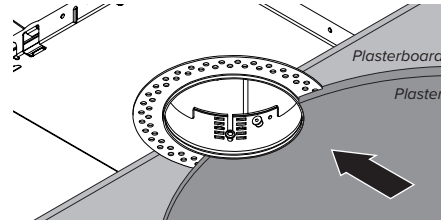
C Fixture Installation

- 1 With the IC enclosure installed in the ceiling cavity, install the ceiling material up to the plaster frame.

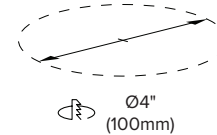


IMPORTANT

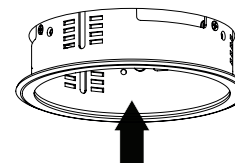
- If installing a Nova Trimless fixture, ensure the following:
 - a) All wiring (B1 - B4) is finalised before plastering.
 - b) Trimless mounting ring is installed in the IC enclosure (C3 - C7) before plastering - see below.
- Ensure luminaire is not installed in the mounting ring when plastering. Clean inside of ring afterwards



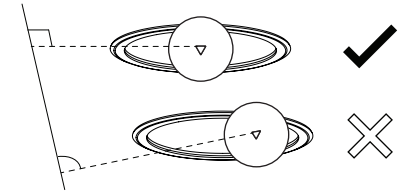
- 2 Mark up ceiling and cut a circular hole 4" (100mm) in diameter.



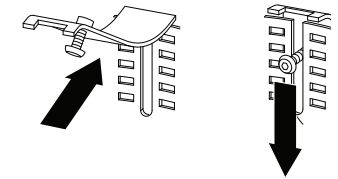
- 3 Insert the mounting ring into the plaster frame hole and push up so that it sits flush with the ceiling material.



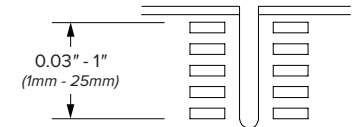
- 4 Align the primary hooks *perpendicular* to a feature such as a wall. This will ensure that all fixtures will align when in their home (neutral) position (advanced version only).



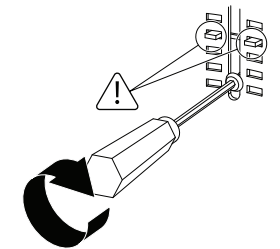
- 5 Holding the mounting ring in place, insert a fixing clip into a slot on the mounting ring, then slide it down the slot until it hits the ceiling material.



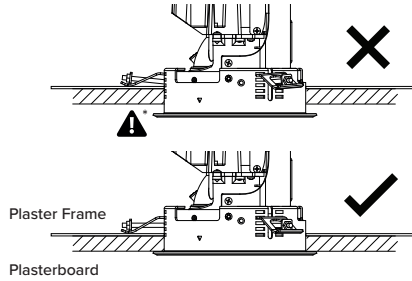
- 6 These guidelines can be used to determine the most appropriate slots to use for varying ceiling thicknesses.



- 7 Insert fixing studs into mounting ring holes and, using a 2.0mm hex screwdriver, secure the clip in place. Repeat this process for each fixing clip.



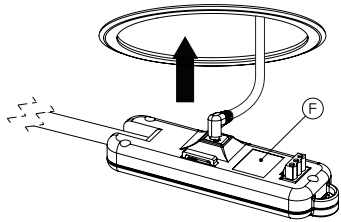
- 8 Ensure that the luminaire is securely installed, with the fixing clips firmly against the plaster frame.



WARNING

- If for any reason the mounting ring cannot be fitted securely, stop the installation and contact RCL.

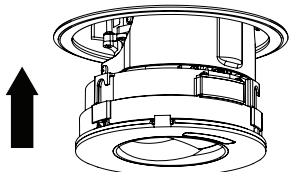
- 9 Run low voltage cable through the hole at top of mounting ring and connect to the DC Junction Box using the right angled connector jack (supplied).



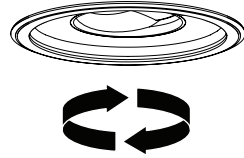
WARNING

- Do not supply more than 48V to the DC Connector Box.

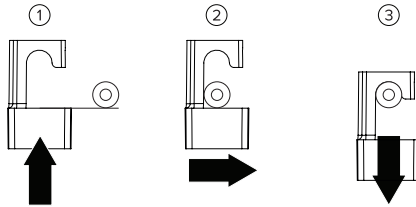
- 10 Insert the DC Junction Box in through the mounting ring followed by luminaire. Push the luminaire up until it stops.



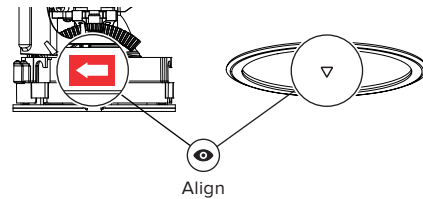
- 11 Rotate the luminaire *clockwise* until it stops and pull down. It should now be locked in place.



- 12 Ensure that mounting ring studs locate securely in the luminaire mounting hooks, as shown below.

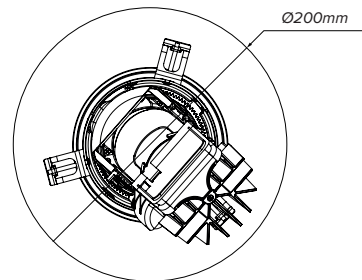


- 13 For multiple fixtures, locate the 'primary' stud on the mounting ring, marked with an arrow cutout, and pair with the 'primary' hook on the luminaire, marked with a red arrow label.

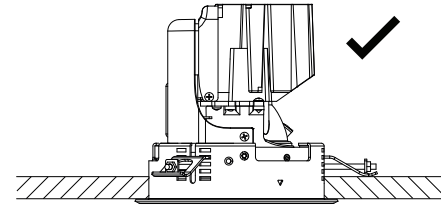


D Fixture Removal

- 1 Nova has a unilateral tilt mechanism that hangs over the mounting ring when at full tilt. This means that the pan diameter is larger when at 30° than at 0° tilt.

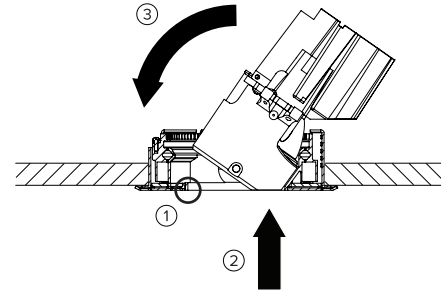


- 2 To extract NOVA, ensure that the tilt is set to 0° or "Home Position" using the RCL Handheld Remote.

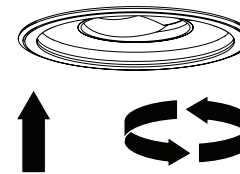


- 3 If unable to motorise the fixture via RCL Handheld Remote, a mechanical extraction can be performed.

To perform a mechanical extraction, pull the baffle down with one hand, and push the head up, rotating it about the tilt axle until vertical.

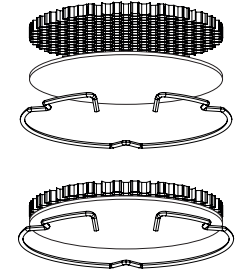


- 3 Push the fixture up, rotate *anti-clockwise* until it stops then pull down. The fixture can now be disconnected from power.

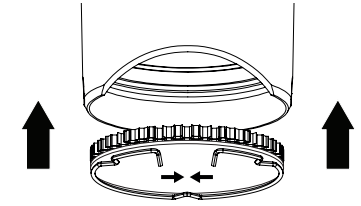


E Accessory Installation

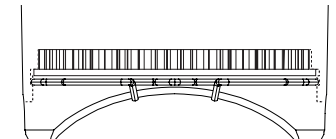
- 1 To install accessories into the Nova luminaire, you will need the compatible accessory holder. Nova can retain a honeycomb louvre and filter disc.
- 2 Align the accessories into a stack, with the accessory holder on the bottom (prongs facing downwards).



- 3 Compress the accessory holder and insert with accessories into the luminaire snout, until there is contact with the inside edge feature.



- 4 To complete the installation, make sure that the accessory holder is engaged with the internal slot shown below.





If you have any difficulty installing this product please contact:

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