

AERA DEEP DOWNLIGHT

Open Frame (OF), Type-IC (IC), Chicago Plenum (CP), Airtight (AT)



! This product must be installed in accordance with the National Electrical Code and all applicable local codes, by a person familiar with the construction and operation of the product, and the hazards involved. Proper grounding is required for safety.

Ce produit doit être installé suivant le code national de l'électricité, ainsi que tous les codes locaux applicables, par une personne familière avec la construction et le fonctionnement du produit, ainsi que tous les risques qui y sont associés. La mise à terre électrique est obligatoire pour la sécurité.

- !** Wire dimming conductors as Class 1.
- Shown with 3" round fixture. Applicable to all shapes and sizes.
- For electrical connections, please refer to the [wiring diagram guide](#).



OVERVIEW

! Warnings

Install per national installation and accident prevention regulations.

Clearance between sides of luminaire and parts of building must be 1/2" minimum; clearance to insulating materials to be 3" minimum, unless luminaires is IC rated.

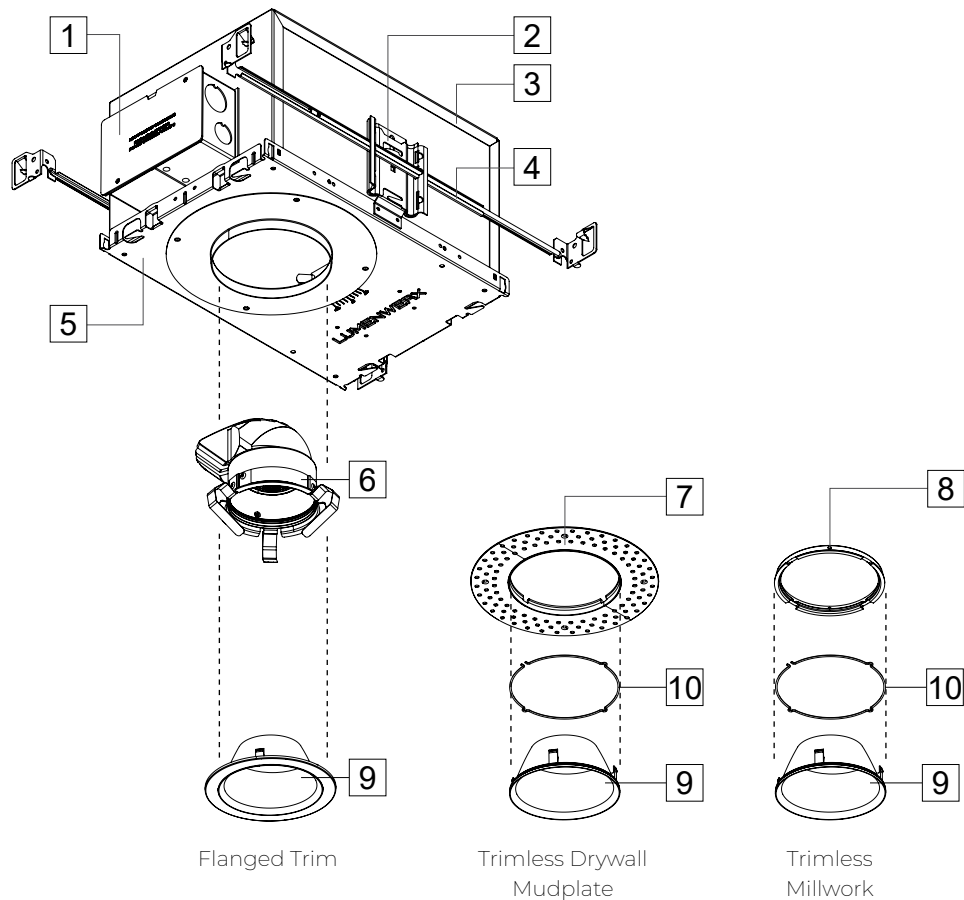
Fixtures must be installed in applications where the ambient temperature does not exceed 40° C during normal operation.

Do not connect or disconnect LED board wire connector when the fixture is energized. This may result in permanent damage to the LED array.

Warranty claims will not be accepted if incorrect driver or light element is used.

Do not cover the light element lens or heatsink with any materials or adhesive tapes.

For remote driver box, please refer to the [remote driver installation sheet](#) for more information.



Index

Go to pages related to product configuration.

- [Housing Installation.....P.3](#)
- [Electrical Connection.....P.3](#)
- [Ceiling Preparation.....P.4](#)
- [Light Element & Baffle...P.6](#)

Tools Required

- Allen Key 1/16" ¹
- Adjustable Hole Cutter
- Drywall Knife ²

¹ For millwork adapter only.
² Or router.

Items List

- [1] - Electrical Box
- [2] - Bracket
- [3] - IC/CP/AT Box
- [4] - Bar Hanger
- [5] - Mounting Frame
- [6] - Light Element
- [7] - Mudplate
- [8] - Millwork Adapter
- [9] - Baffle
- [10] - Spring Ring



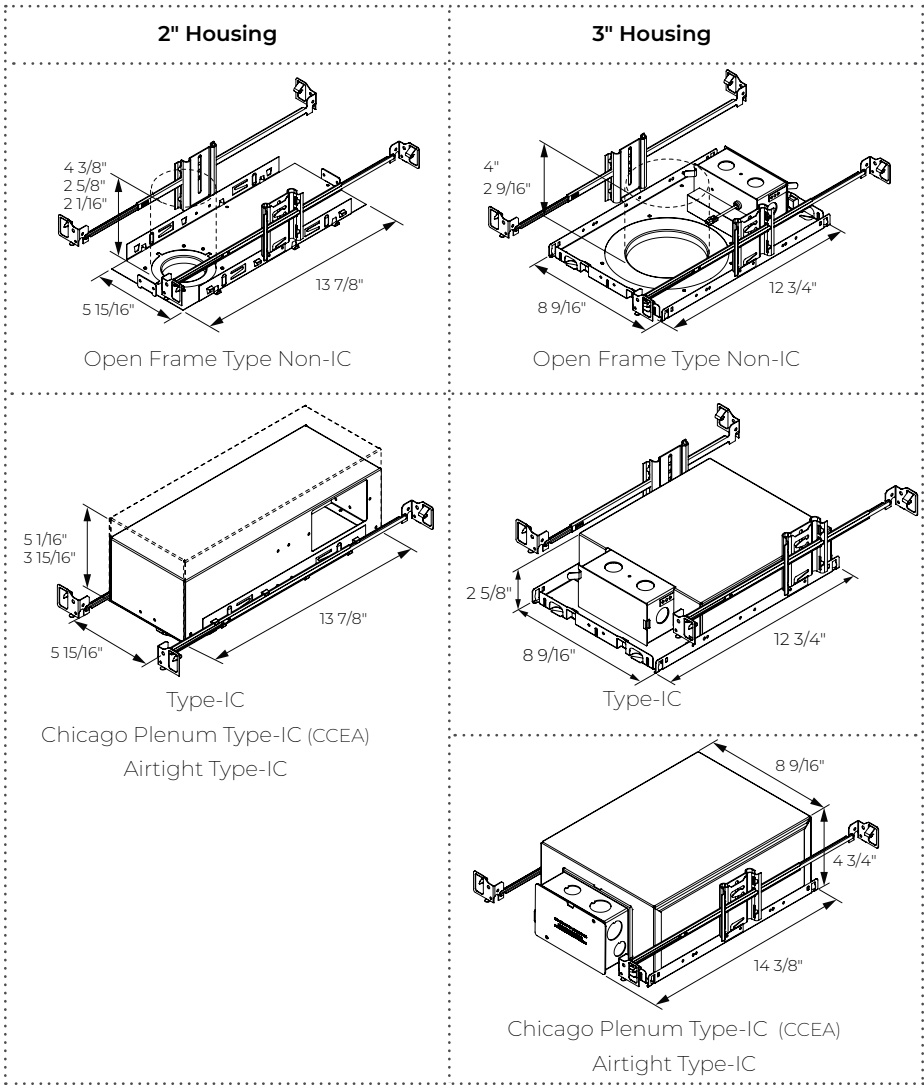
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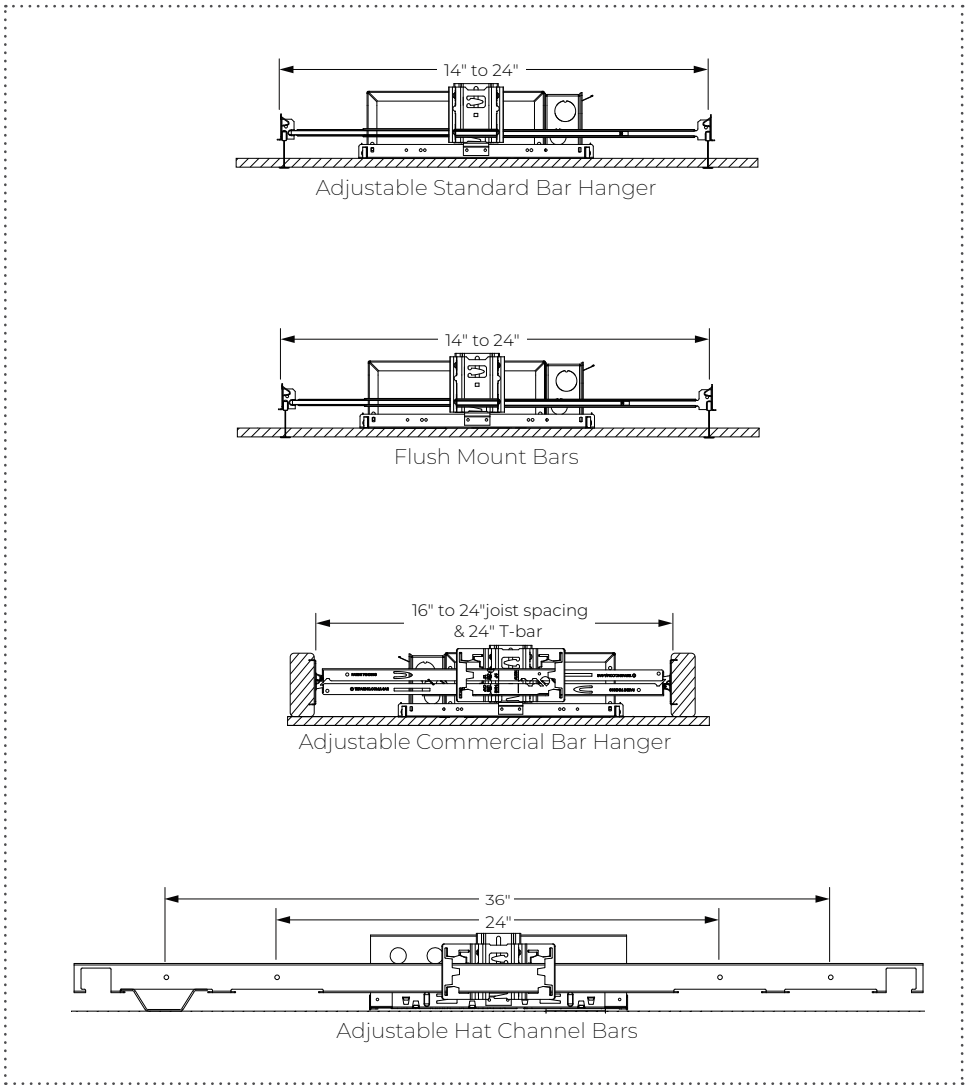


OVERVIEW - OPTIONS

INSTALLATION TYPES



MOUNTING OPTIONS



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1 INSTALL HOUSING SYSTEM.

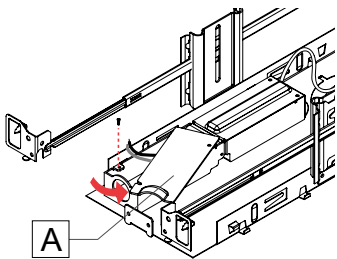
Install the housing by referring to the installation instructions in the [downlight mounting option guide](#) on our website.



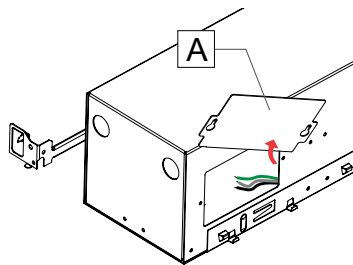
2 OPEN COVER.

Open the cover [A] to access wires.

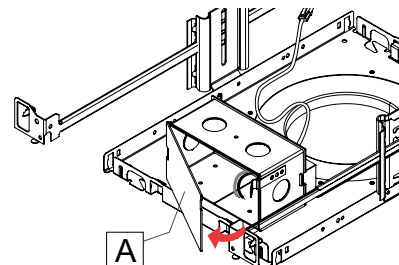
2" OPEN FRAME



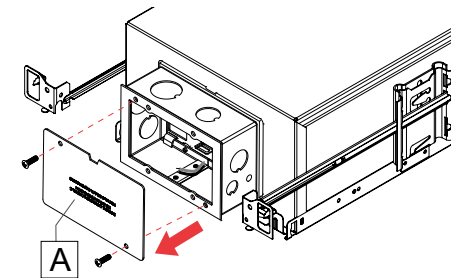
2" TYPE-IC / CHICAGO PLENUM / AIRTIGHT



3" OPEN FRAME / TYPE-IC



3" CHICAGO PLENUM / AIRTIGHT

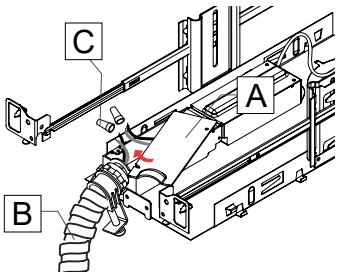


3 MAKE ELECTRICAL CONNECTIONS.

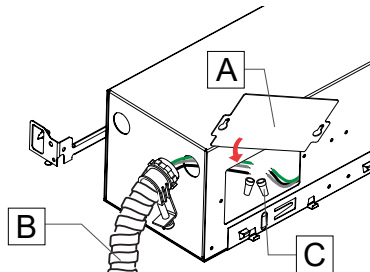
Install armored main power cable [B] to knockout and make the electrical connections with the wire nuts [C] (by others).

Close the cover [A].

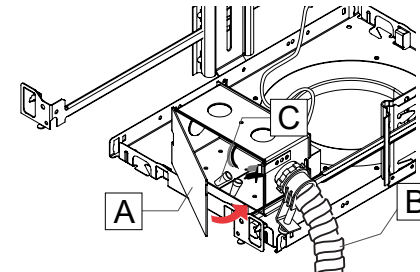
2" OPEN FRAME



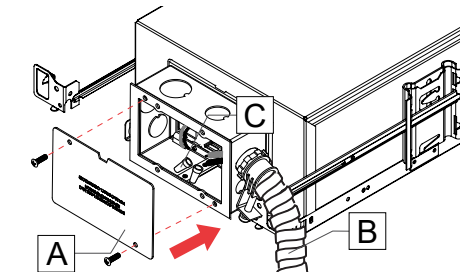
2" TYPE-IC / CHICAGO PLENUM / AIRTIGHT



3" OPEN FRAME / TYPE-IC



3" CHICAGO PLENUM / AIRTIGHT



Note: Number of wires may vary.

For electrical connections, please refer to the [wiring diagram guide](#).



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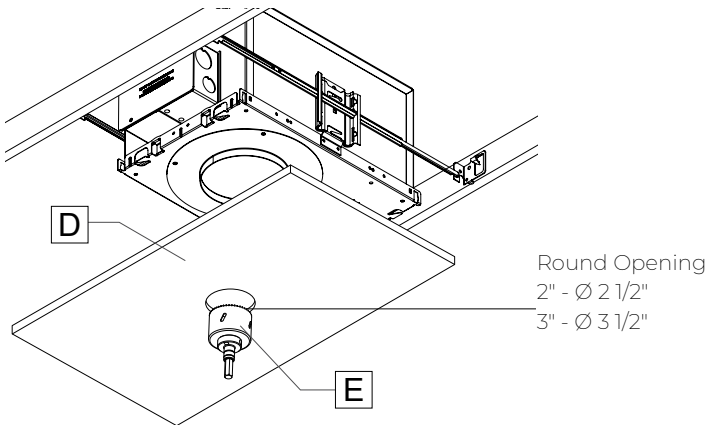
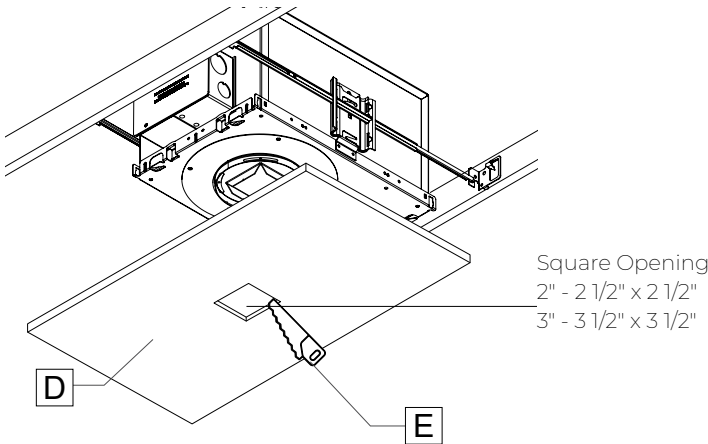
Open Frame (OF), Type-IC (IC), Chicago Plenum (CP), Airtight (AT)



4 PREPARE CEILING.

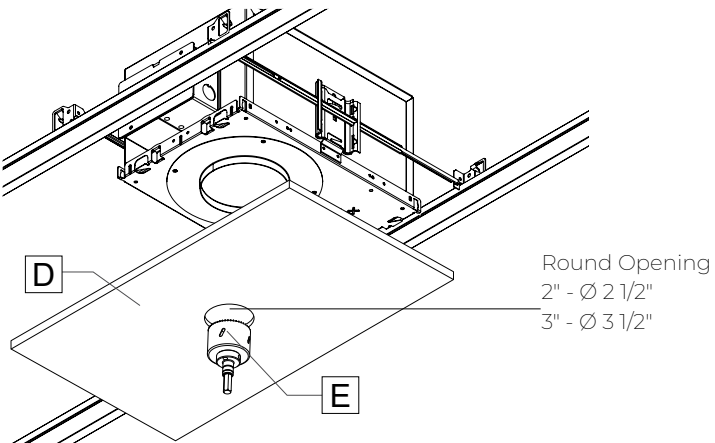
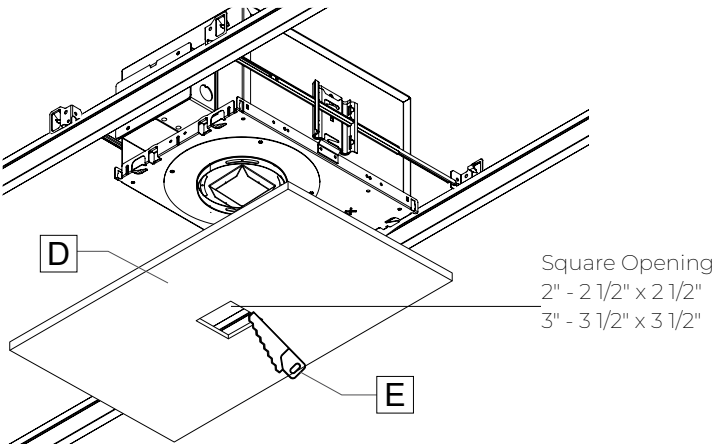
DRYWALL CEILING

Cut opening in drywall ceiling [D] with drywall knife [E].



GRID CEILING

Cut opening in grid ceiling tile [D] with router [E].



AERA DEEP DOWNLIGHT

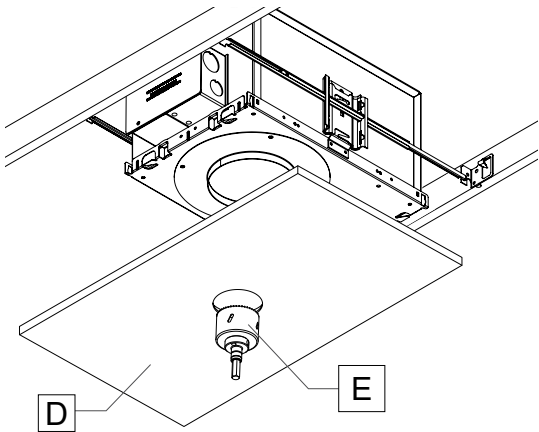
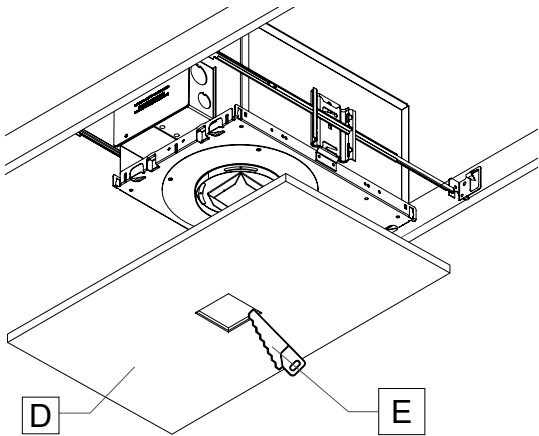
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4 PREPARE CEILING.

MILLWORK CEILING

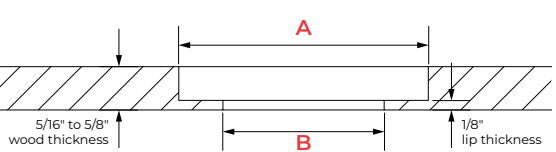
Cut opening in wood ceiling [D] with router [E].



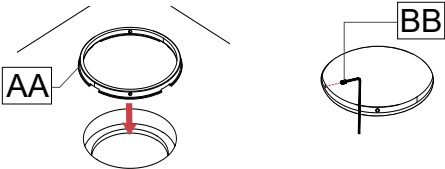
Follow the table for dimensions based on size and baffle shape.
Note: The baffle opening (A) is cut-through, but the collar opening (B) is a step-hole that is at the back face of the ceiling.

Mount the millwork adapter [AA] from above before fixing the ceiling. Attach the millwork adapter by using the provided set screws [BB]. Keep pressure even on all screws to center with cutout.

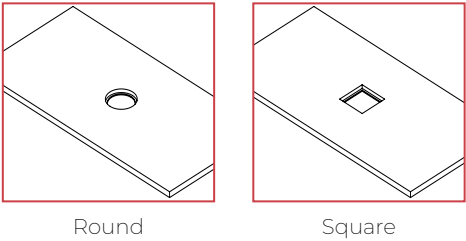
Note: Millwork adapter [AA] must be installed from above the ceiling or before ceiling is installed.



	A	B
	Collar Opening	Baffle Opening
2" Round	Ø 2 1/2"	Ø 2 1/16"
2" Square	2 1/2" x 2 1/2"	2 1/16" x 2 1/16"
3" Round	Ø 3 1/2"	Ø 3 1/16"
3" Square	3 1/2" x 3 1/2"	3 1/16" x 3 1/16"



BACK FACE OF CEILING



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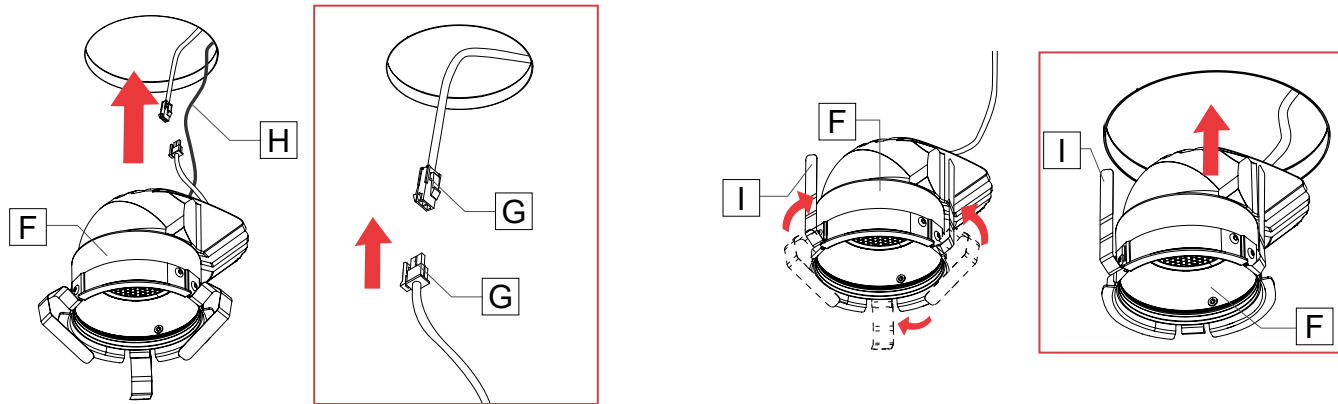
5 INSTALL LIGHT ELEMENT.

FLANGED TRIM

Bring the light element [F] closer to the ceiling. Connect the light element [F] to driver in housing with quick connectors [G].

Attach the safety cable [H] to a suitable point in the ceiling.

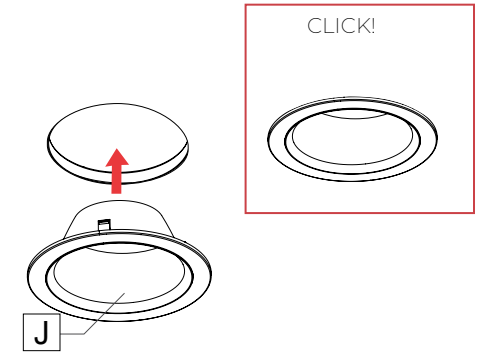
Squeeze spring clips [I] upwards onto light element [F]. Insert light element [F] into opening until spring clips [I] snap back above the ceiling in the housing.



6 INSTALL BAFFLE.

FLANGED TRIM

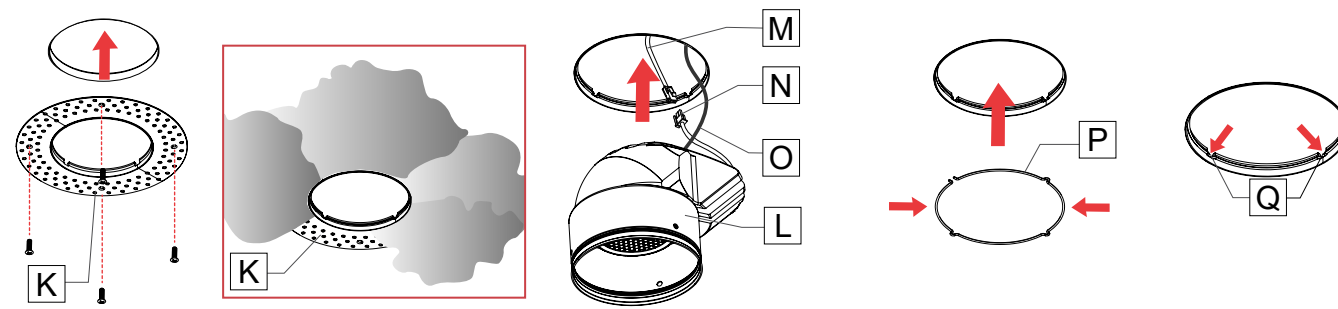
Snap in baffles [J] in place into ceiling opening until audible click is heard.



TRIMLESS DRYWALL MUDPLATE

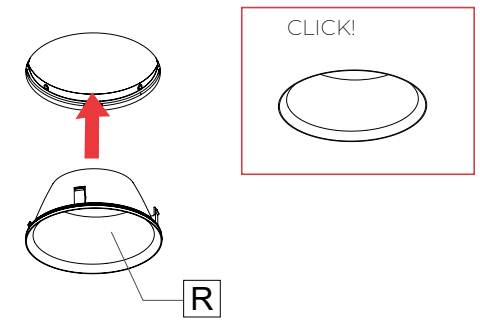
Attach mudplate [K] to ceiling and screw onto ceiling. Plaster and sand over mudplate [K]. Connect the light element [L] to driver in ceiling [M] with quick connectors [N]. Attach the safety cable [O] to a suitable point in the ceiling. Insert light element [L] into the ceiling opening.

Squeeze spring ring [P] into the mudplate [K] at the edge. Spring ring [P] will snap into the mudplate notches [Q] around the mudplate edge.



TRIMLESS DRYWALL MUDPLATE

Snap in baffles [R] in place into the ceiling opening until audible click is heard.



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5

INSTALL LIGHT ELEMENT.

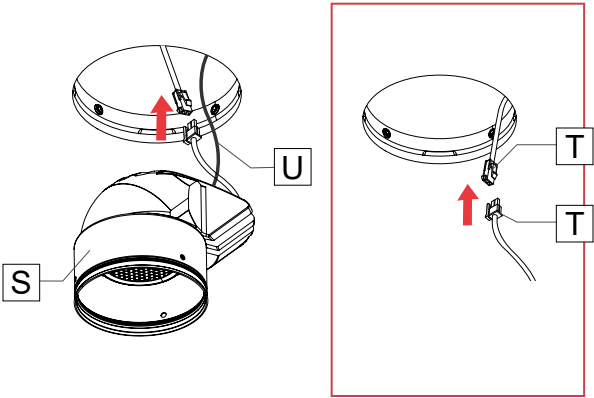
6

INSTALL BAFFLE.

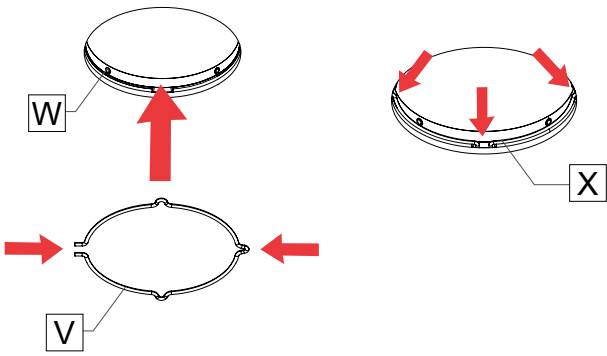
TRIMLESS MILLWORK

Connect the light element [S] to driver in housing with quick connectors [T] and install from below.

Attach the safety cable [U] to a suitable point in the ceiling.



Squeeze spring ring [V] into the millwork adapter [W] to keep the light module in place. Spring ring [V] will snap into the millwork adapter notches [X] around the millwork adapter edge.



TRIMLESS MILLWORK

Snap in baffles [Y] in place into ceiling opening until audible click is heard.

Note: Edge of the trim should be flush with the surface.

