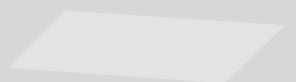
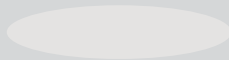


ProTools 4" Downlights Features



whitegoods

whitegoods

Whitegoods has developed another range of minimal lighting tools, which utilize the form factor of LED to reduce even further their visual impact, and of course they all hold true to our constant principles.

Our Philosophy

- Reduction of detail
- Seamless architectural integration
- Logical, modular systems and families of products
- Ease of specification, installation and maintenance

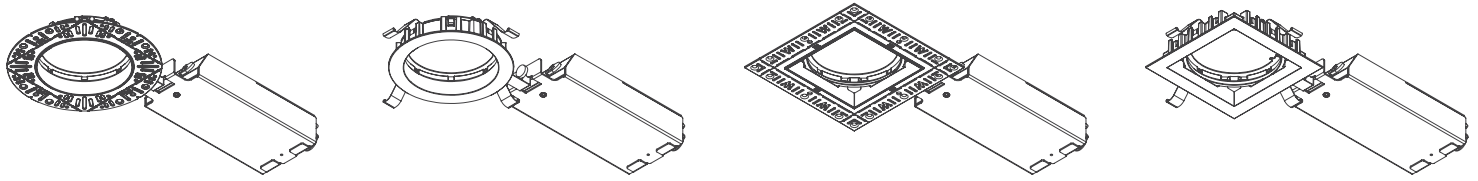


Modular + flexible

The ProTools range of professional lighting tools has been developed as a flexible and adaptable system. One unified range can meet the demands of all spaces within a project, all with matching appearance.

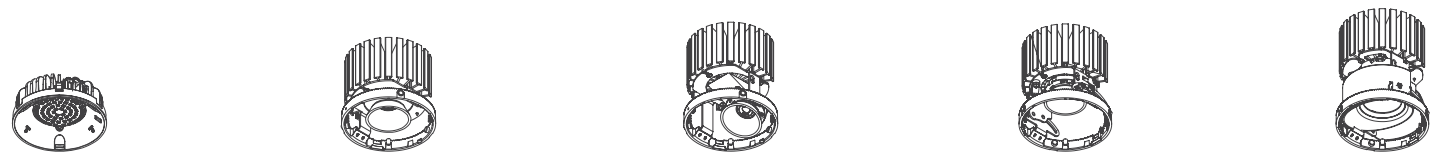
Frame

Plaster Trim or Bezel Trim mountings can accept any insert within the range, all of which can be installed and accessed from below. The same is true for their driver box.



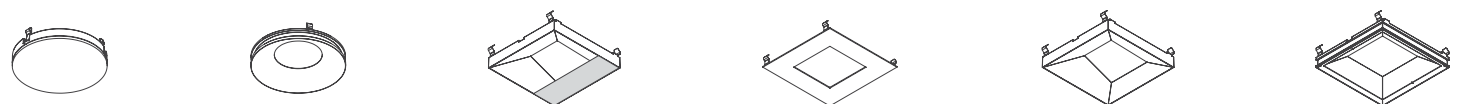
Insert

- Simple ambient light from the D insert.
- Various beam angles from fixed or adjustable.
- Ultimate performance, superb glare control, lens options and a unique void shielding system with the DLX insert.



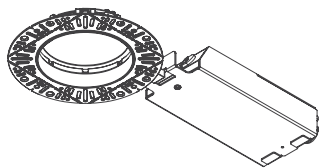
Cover

- Flush Satin Opal
- Recessed Cone
- Wall Wash
- Regressed Pinhole
- Asymmetric
- Wet Location

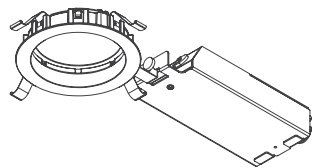


ProTools Range Logic

The ProTools range allows the specifier freedom to design for all spaces and environments within a project from one succinct, logical and aesthetically congruent range of luminaires. The comprehensive options cover all of the designer's needs.



Round Plaster Trim
Frame



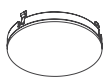
Round Bezel Trim
Frame



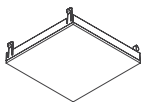
ProTools D
Fixed Insert



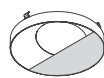
ProTools DL
Wall Wash Insert



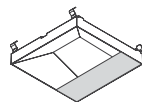
Round Flush
Satin Opal



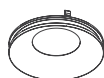
Square Flush
Satin Opal



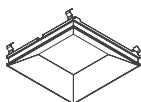
Round Wall Wash



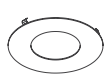
Square Wall Wash



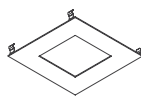
Round Cone



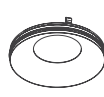
Square Cone



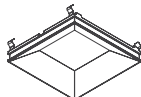
Round Recessed



Square Recessed



Round Cone
Wet Location



Square Cone
Wet Location



Round Micro-
prismatic Lens



Square Micro-
prismatic Lens

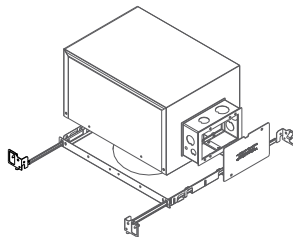


Round Satin
Opal Lens

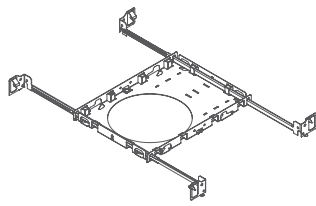


Square Satin
Opal Lens

Optional Housings

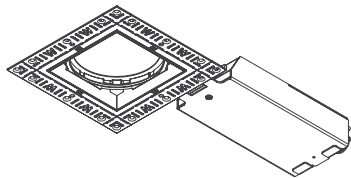


Insulated Ceiling Housing (IC)
Chicago Plenum Housing (CP)

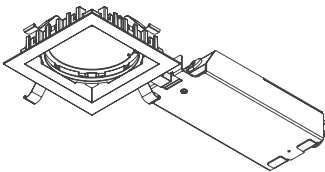


Landing Pan (LP)

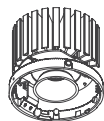
Range Logic Continued



Square Plaster Trim
Frame



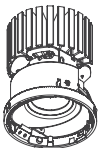
Square Bezel Trim
Frame



ProTools DL
Fixed Insert



ProTools DL
Adjustable Insert



ProTools DLX
Adjustable Insert



Accessory Holder



Focus Lens



Honey
Comb



Glass
Filter



Color
Filter



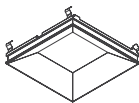
Solite
Lens



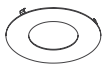
Any 1.7" Ø
Accessory



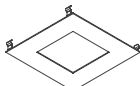
Round Cone



Square Cone



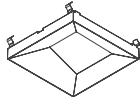
Round Recessed



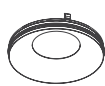
Square Recessed



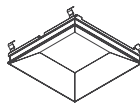
Round
Asymmetric



Square
Asymmetric



Round Cone
Wet Location



Square Cone
Wet Location



Open
Aperture



Round Micro-
prismatic Lens



Square Micro-
prismatic Lens



Round Satin
Opal Lens



Square Satin
Opal Lens



Round Solite
Lens



Square Solite
Lens



Round Satin
Opal Lens



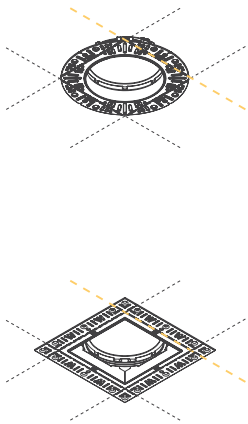
Square Satin
Opal Lens

Easy snap-off tabs for gangeable configurations

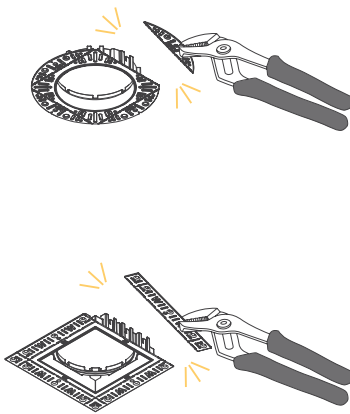
ProTools 'Snap Gangable' Installation Frames

Effortlessly create multiple groups of luminaires in perfect formation without the need for any custom housings. It is simple, easy and fast to create any combination required.

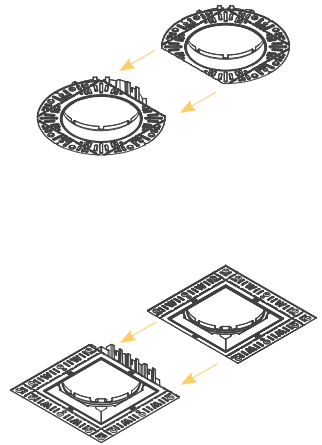
- ① Select which side of the plaster trim to remove.



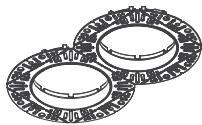
- ② Use a pair of multi-grip pliers and firmly snap off the trim with one swift movement.



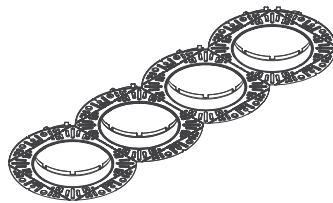
- ③ Installation frames can now be fixed directly next to one another...



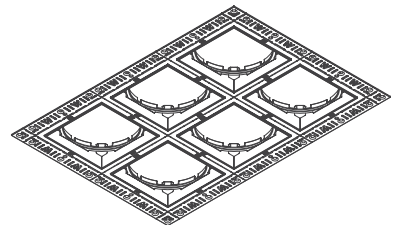
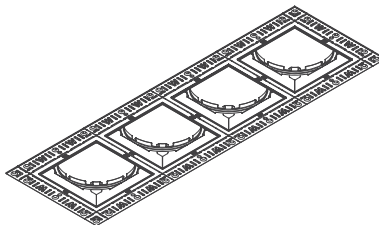
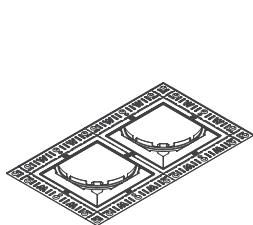
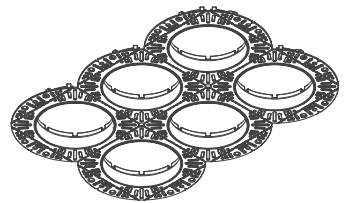
- ④ ...to create "multiple" configurations, which would usually require additional dedicated housings.



- ⑤ Any number of frames can be grouped together to form linear configurations.



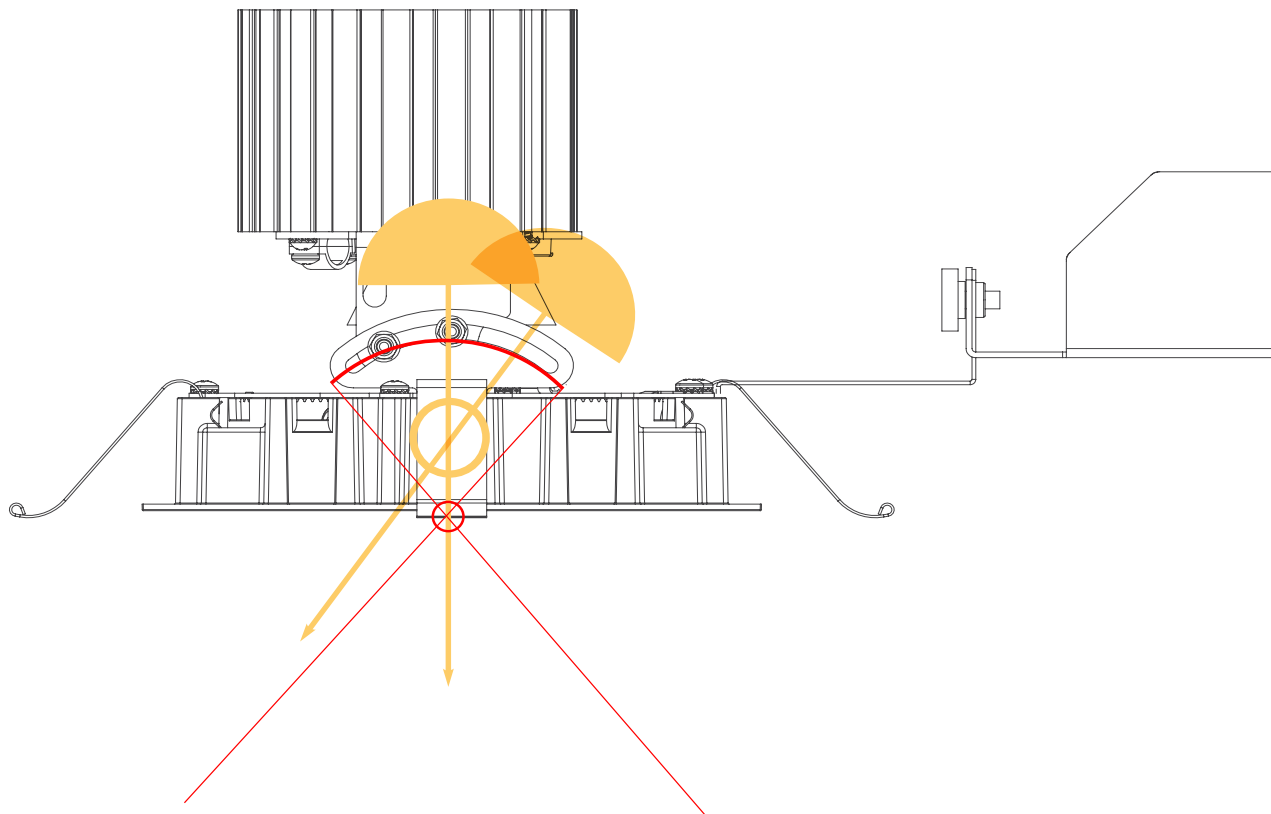
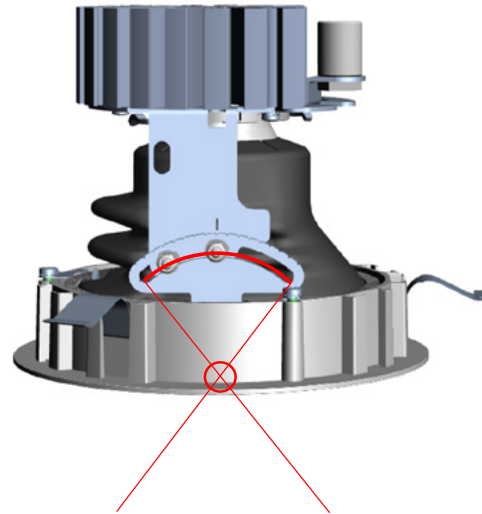
- ⑥ There are really no limits to the ways in which the installation frames can be combined.



Aiming geometry

ProTools Adjustable Downlights are designed with perfect aiming geometry. An innovative geometry ensures that the centre of the beam passes through the centre of the aperture, without the need for complicated gear driven mechanisms, just smart design.

40 degree tilt
365 degree rotation



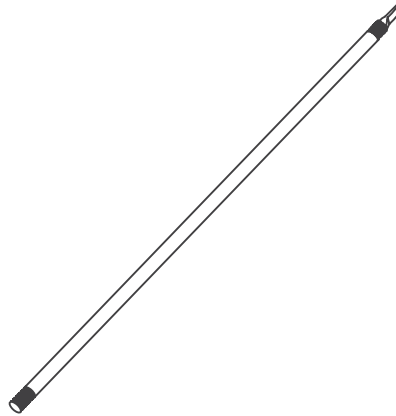
The focus of tilt is outside the luminaire (red reference lines), thus ensuring that the center of the beam passes through the center of aperture (green reference lines), regardless of the angle of illumination selected.

What are you aiming for: laser adjustment tool + pointer

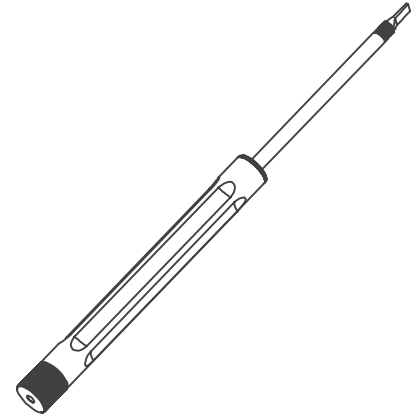
Easily focus ProTools lights with the Aim Stick or Aim Stick Laser. Lights off, no problems the Aim Stick Laser allows ProTools to be aimed accurately. A long thin screwdriver can be used to aim ProTools.

ProTools offers 365 degree of rotation using a spring-loaded ratchet system, ensuring the position is fixed the moment it is set by four, factory torque set, friction points.

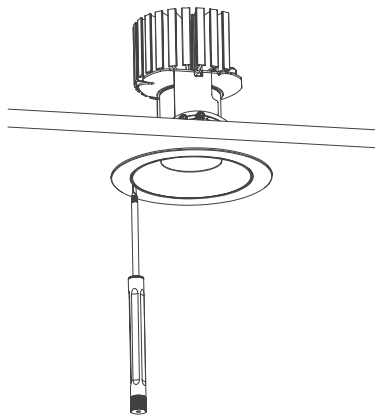
ProTools Aim Stick



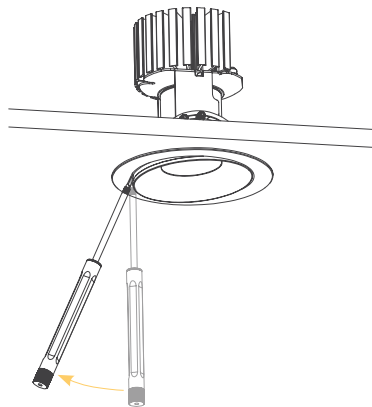
ProTools Aim Stick Laser



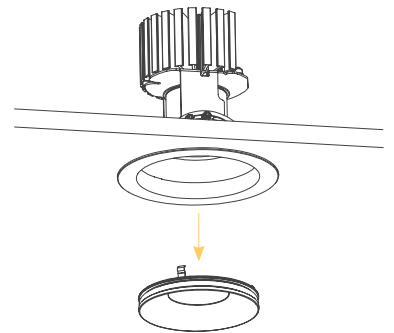
- 1 Insert the edge of the Aim Stick into the gap between the housing and the cover.



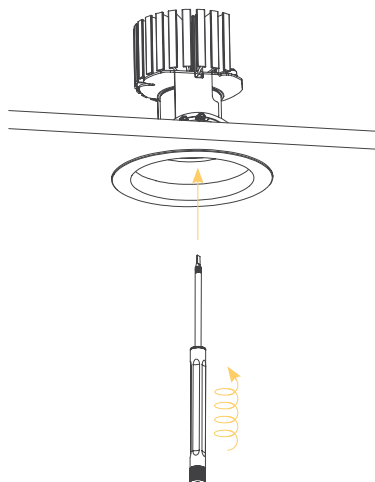
- 2 Lever out the cover.



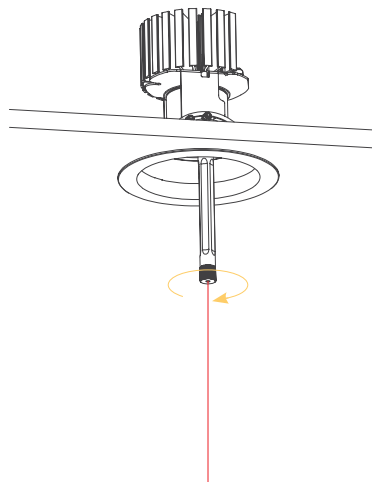
- 3 Remove the cover.



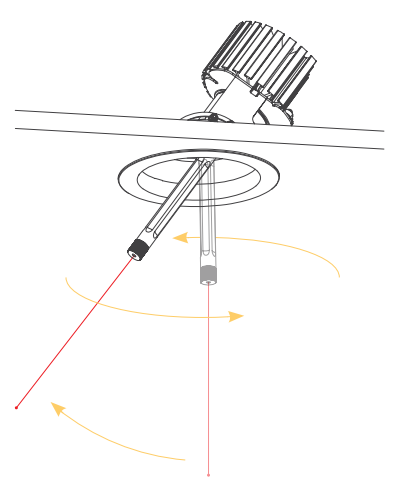
- 4 Insert the ProTools Aim Stick into the housing and screw in a few short twists.



- 5 Activate the laser by rotating the black dial on the bottom of the Aim Stick clockwise.



- 6 Use the Aim Stick to rotate the direction of the beam to the desired point. Repeat steps 3-6 in reverse.



Tuneable White

ProTools DL and DLX are available in Tuneable White to allow you to select any color temperature between 1800K and 4000K, while maintaining the same high quality color rendering as the standard led. This feature is often used in health and wellness applications, as well as work spaces to increase productivity, architectural spaces to match natural light, and for design focus in retail and hospitality environments.

Color Temperature	Description	Typical Usage
4000K	Cool	Office, Exterior
3500K	Neutral Cool	Office
3000K	Neutral Warm	Office, Residential
2700K	Warm: Halogen Incandescent	Residential, Hotel
1800K	Very Warm Incandescent	Residential



Warm Dim

Whitegoods Warm Dim lighting provides LED dimming and warm LED lights virtually indistinguishable from an incandescent light source. Designed to precisely mimic the black body curve of a standard 100W A19 lamp by gradually transitioning from 1800K to 3000K.

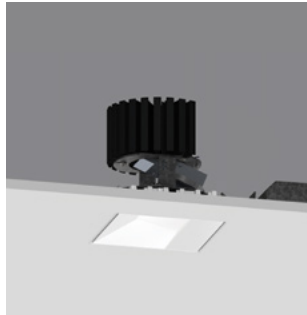
Color Temperature	Description	Typical Usage
3000K	Neutral Warm	Office, Residential
2700K	Warm: Halogen Incandescent	Residential, Hotel
1800K	Very Warm Incandescent	Residential



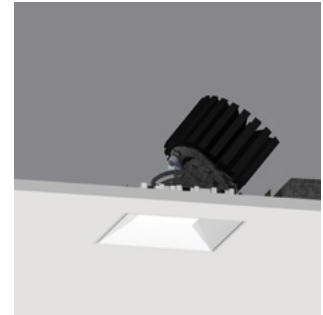
ProTools future-proofing

The complete ProTools Downlight range is designed to allow complete flexibility of application, today, next month, next year, and beyond.

The modular design means that any combination of insert and cover can be fitted into the mounting frame, and at any time. For example, imagine an installation called for Wall Wash inserts and covers initially, but some years on the customer has a different requirement – adjustable downlights are now needed. No problem! Simply follow these few simple steps and the installation can be completely re-purposed, quickly and easily.

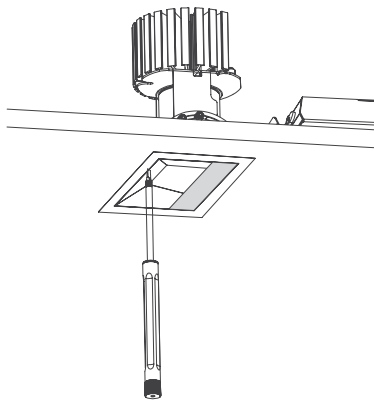


4" ProTools DL Wall Wash
Round Wall Wash Cover

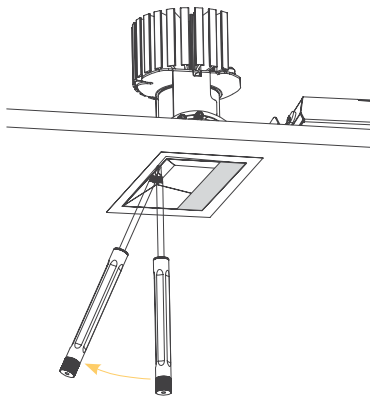


4" ProTools DL Adjustable
Round Regressed Cone Cover

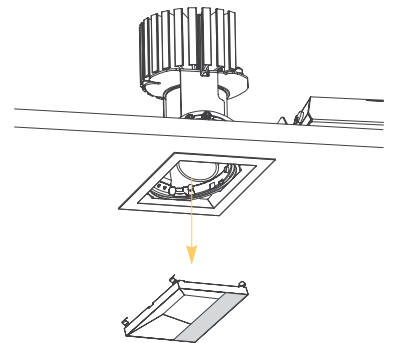
- 1 Insert the edge of the Aim Stick into the gap between the housing and the cover.



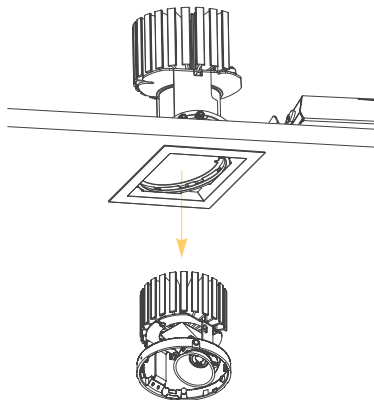
- 2 Lever out the cover.



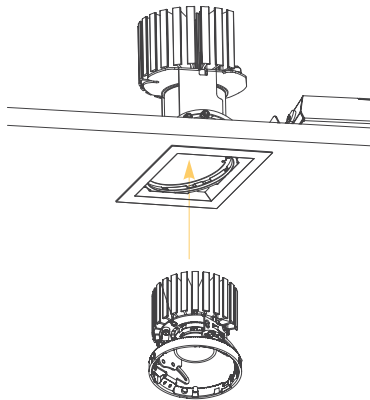
- 3 Remove the cover.



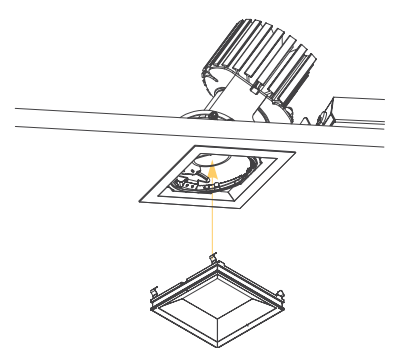
- 4 Remove Wall Wash insert and disconnect in-line connector (tool free) from driver / junction box.



- 5 Connect replacement insert via inline connector (tool free) to driver / junction box, then snap into the housing.



- 6 Fit new / preferred cover by simply snapping it home into the housing trim.



The application of light to the surfaces around us is a critical factor in our perception of any space.

When proper consideration is given to the architecture, function and the desired atmosphere, lighting can become a truly integrated part of the overall environment being created, often unseen although defining and enhancing the space.