



LEDALITE

Recessed LED

DecoForm

IS-DECOFORM-RECESSED

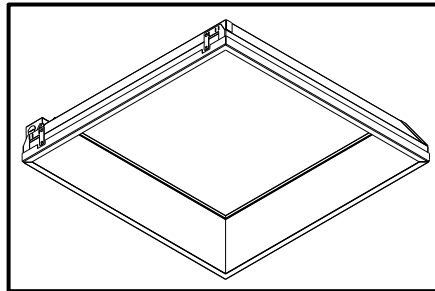
System Overview

These instructions review how to install recessed DecoForm fixtures. Please refer to layout drawings supplied by Ledalite in conjunction with these installation instructions. The information below shows the available aesthetics and components required to install a standalone DecoForm or back-to-back in a pattern and in Chicago Plenum application along with top tile installation.



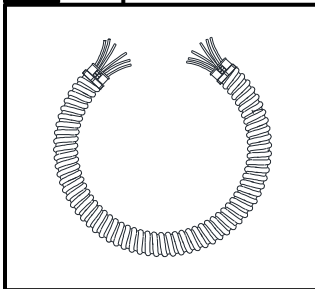
IMPORTANT: Read all instructions including fixture/sensor wiring AND mechanical details **before** beginning installation.

Sensor wiring is found in the [LEDALITE CONTROLS DESIGN GUIDE: SENSOR INSTALLATION AND SET-UP](#)



DecoForm Recessed

Optional 6' Flex Whip



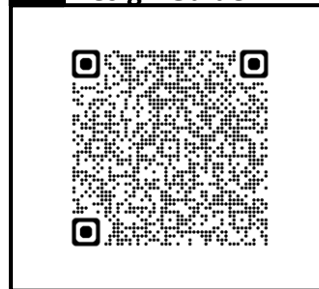
Optional snap-in 6' flex whip is prewired at the factory.

Drywall Trim Frame Installation Sheet



Scan or click [Link](#)

Ledalite Controls Design Guide



Scan or click [Link](#)

- Compatible with NEMA Type G, NFG, NFSG, and SS Grid Ceilings



Tools required -

#2 Phillips or #2 Robertson screwdriver, needle nose pliers (optional) & metal snips (optional)



ATTENTION: Install in accordance with local and national building and electrical codes.

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.



Warning! Shock Hazard!

IMPORTANT:

Disconnect or turn off power before attempting any installation, service or maintenance.



Warning! Shock Hazard!

IMPORTANT:

Fixture must be connected to building ground via the provided ground wire before re-connecting to mains power supply.



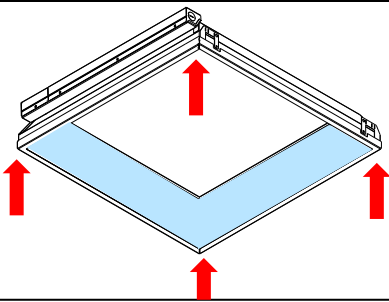
Installation

Read all instructions including fixture/sensor wiring mechanical details before beginning installation.

Beware of sharp edges on fixture.



Handle With Care



- **Do not put pressure on the lens during installation.**
- Lift using both hands from the edges only.



Installation Notes

The procedure for making electrical connections in an emergency driver box is the same as the driver box.



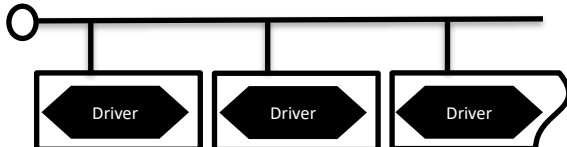
Installation Notes

Arrange boxed fixtures on floor in specified mounting locations, based on supplied layout drawings. Remove fixtures from boxes.



Power Feed - Standalone

Power feed

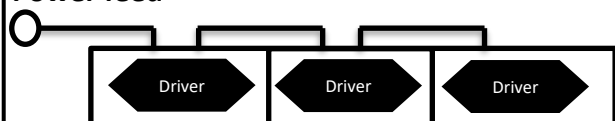


- Every fixture contains its own driver & receives a direct power feed.



Power Feed - Continuous Row

Power feed



- Every fixture contains its own driver and power is daisy chained to each fixture (by others). See Step 7 for details.

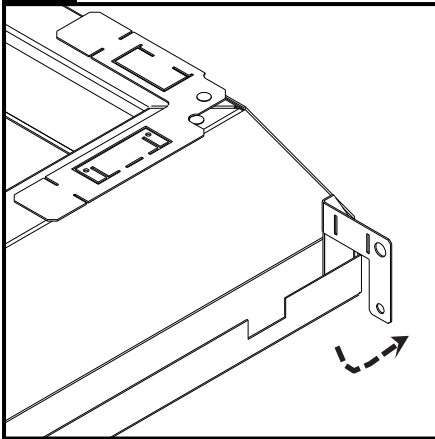


ATTENTION: Install in accordance with local and national building and electrical codes.

01	RECESSED FIXTURE	PG. 04
02	LEDALITE TILES	PG. 06
03	CUSTOMER SUPPLIED TILES	PG. 08
04	CHICAGO PLENUM	PG. 10

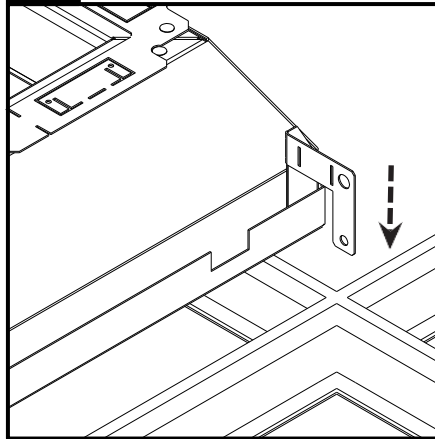
Preparing fixture to mount on T-Grid.

1 Bend mounting tab



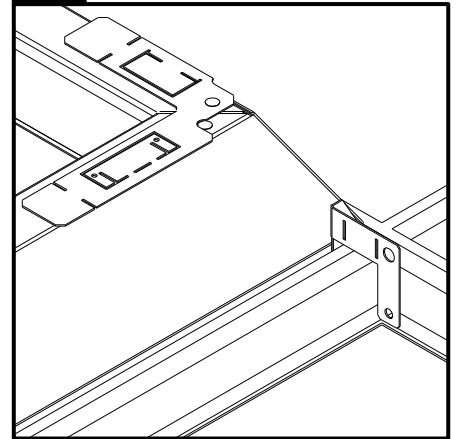
Bend out the mounting tabs by 90° on each corner.

2 Place fixture in T-Grid



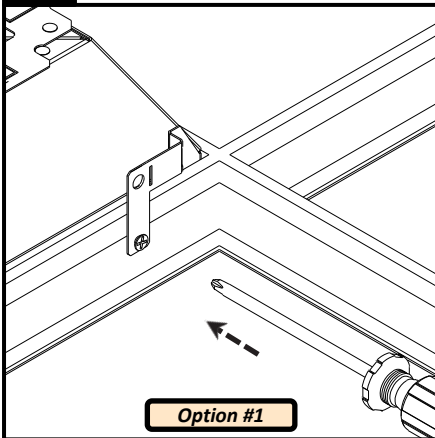
Place fixture in T-Grid.

3 Place fixture in T-grid

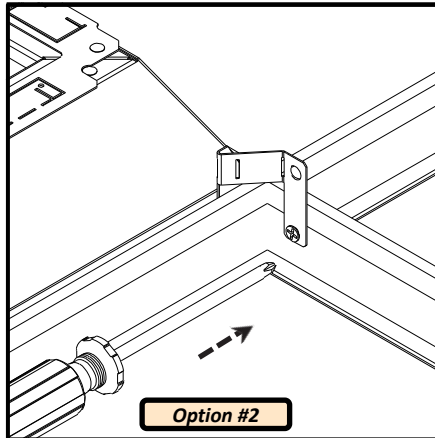


Bend tabs flush against T-Bar to clear ceiling tile.

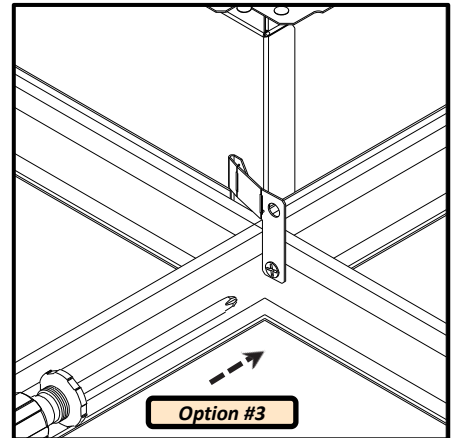
4 Secure fixture & tie-off to structure (4 acceptable options)



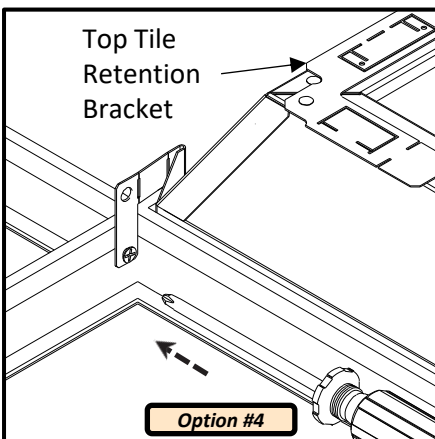
Option #1



Option #2



Option #3



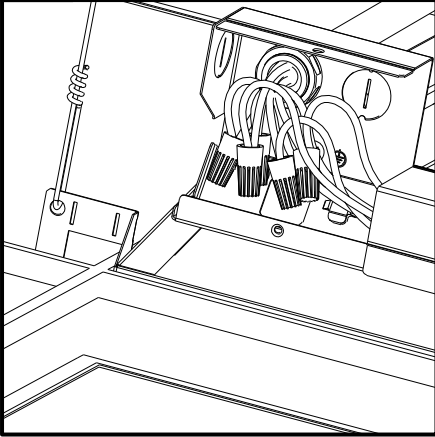
Option #4

Choose the option that best prevents interference with adjacent fixtures and tiles. Secure fixture to T-Grid with self drilling #8x1/4" sheet metal screws (supplied by others)

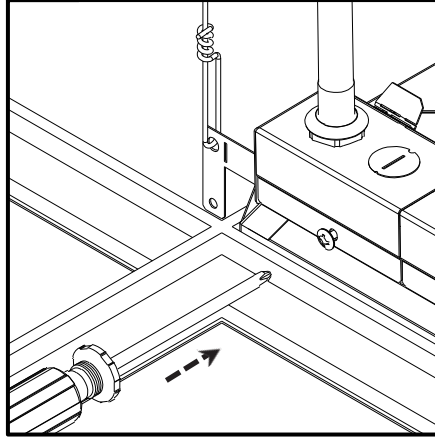
NOTE: MAKE SURE THE GUY WIRES CLEAR THE TOP TILE RETENTION BRACKETS

! ATTENTION: Install in accordance with local and national building and electrical codes.

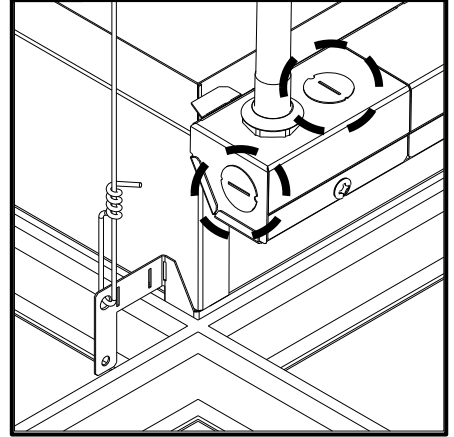
Wiring and connections.

5 Standard electrical connections

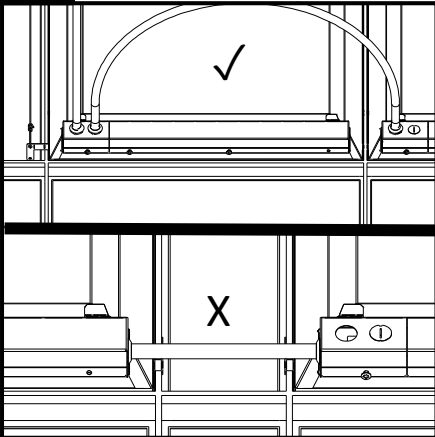
Remove screw using a #2 Phillips OR #2 Robertson screwdriver to open wire access door. Make electrical connections using wire nuts (supplied by others).
Optional 6' flex whip is prewired inside the fixture. Remove from packaging and insert snap-in fitting into driver box.

6 Standard electrical connections

Close access door and reinstall screw using a #2 Phillips OR #2 Robertson screwdriver.

7A CAUTION

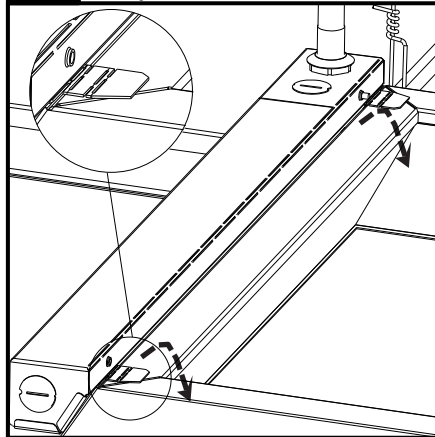
Only use these knockouts for electrical connections between fixtures.

7B OPTIONAL: Electrical connections between fixtures

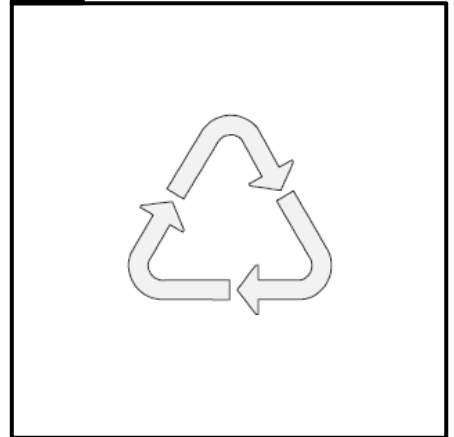
Remove knockouts and feed the wires through electrical conduit (supplied by others). Ensure the correct wire color code is maintained.

ATTENTION: Recommended way of electrical connection between fixtures (daisy chained).

NOTE: Secure flexible metal conduit to structure as per local electrical code guidelines.

8 Fold fixture tabs (No Top Tile)

ATTENTION: If there is no Top Tile being used, fold both fixture tabs down so they are not visible from underneath.

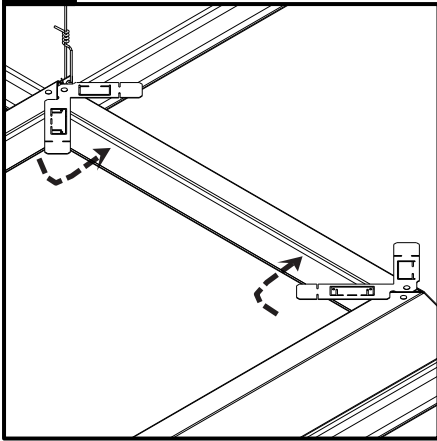
9 Recycle

Recycle all packaging materials and unused contents.

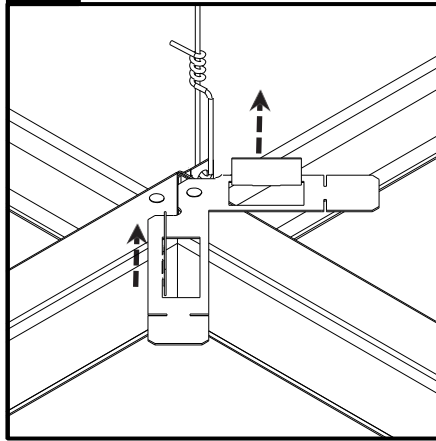
! ATTENTION: Install in accordance with local and national building and electrical codes.

Preparing Top Tile – Ledalite supplied

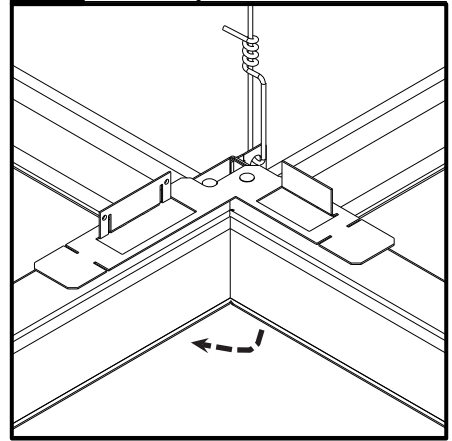
20.5" x 20.5" size - acoustic, acrylics, metal and air return tiles by Ledalite.

1 Rotate the top brackets

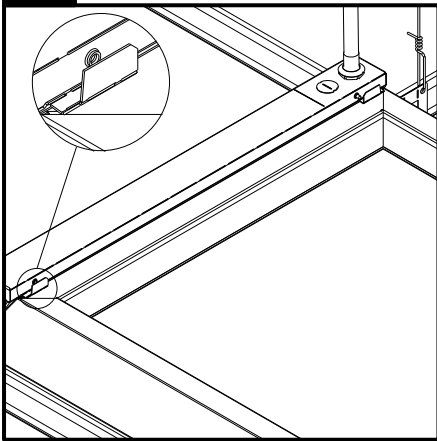
Rotate both Top Tile retention brackets, inwards, about 45°.

2 Bend tabs up on brackets

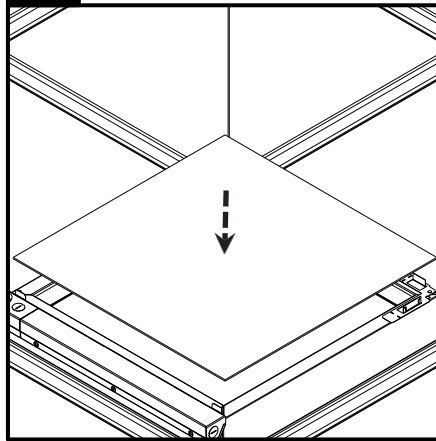
Bend both center tabs upwards on both Top Tile retention brackets.

3 Rotate the top brackets back in place

Rotate both Top Tile retention brackets back in place.

4 Bend tabs up on fixture

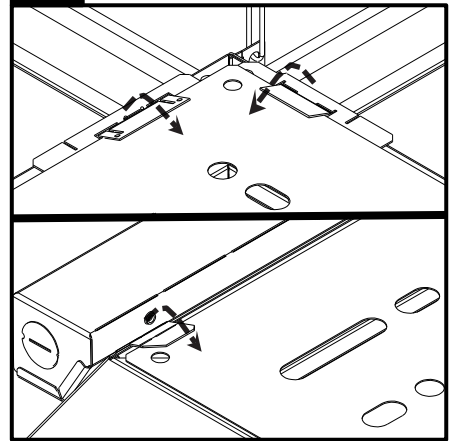
Bend both fixture tabs upwards so they form a 90° angle (use needle nose pliers, if needed).

5 Place Top Tile

Place Top Tile between the bent-up tabs.

ATTENTION: For acrylic tiles, follow steps 1-4 of the Chicago Plenum section to add the metal backing plate on top of the tile.

NOTE: Gloves are recommended when handling Acrylic tiles to prevent debris or marks. Also, remove the protective film from Acrylic tiles.

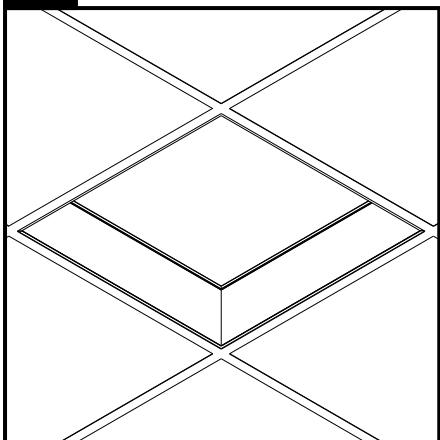
6 Fold Tabs (Air Return)

ATTENTION: If there is an air return Top Tile being used, fold all 6 tabs down on all corners to obtain vertical retention.

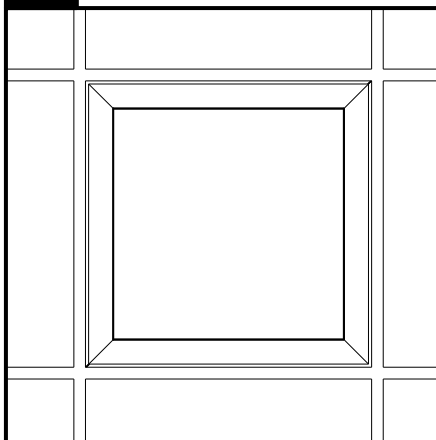
! **ATTENTION:** Install in accordance with local and national building and electrical codes.

Preparing Top Tile – Ledalite supplied (continued)

20.5" x 20.5" size - acoustic, acrylics, metal and air return tiles by Ledalite.

! Attention

Make sure the tile is sitting flush with the fixture.

7 Finishing

Place adjacent grid ceiling tiles back into the grid, if they were removed, to finish installation.

IS-DF Top Tile Installation Sheet – Customer Supplied Tiles

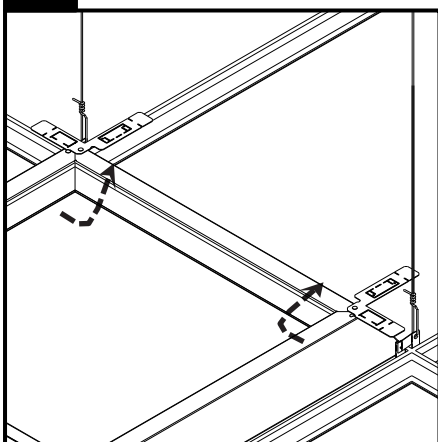
Preparing Top Tile – Customer supplied

24" x 24" nominal size - tiles for stand-alone fixtures.

! DISCLAIMER! CUSTOM TOP TILES MUST COMPLY WITH LOCAL BUILDING CODES AND REGULATIONS. PLEASE ENSURE ALL MATERIALS USED MEET THE NECESSARY REQUIREMENTS.

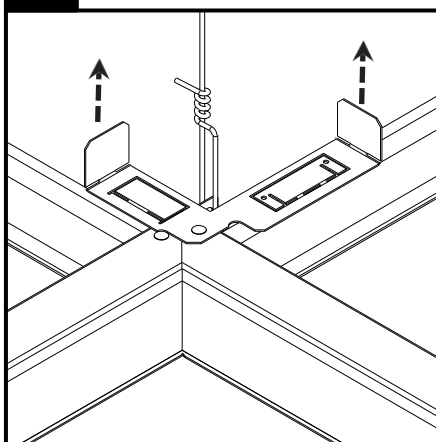
! Warning! Maximum allowable thickness is 0.75" (19mm) and maximum allowable weight is 5lbs (2.2kg) for all Top Tiles.

1 Rotate the top brackets



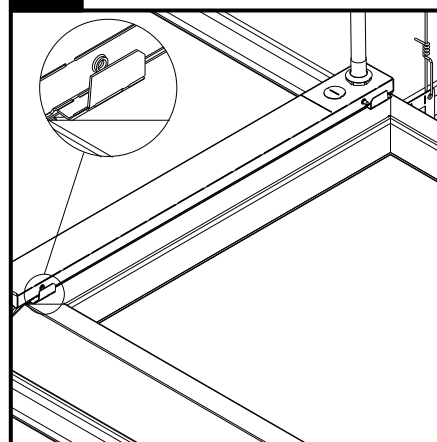
Rotate both Top Tile retention brackets, inwards, 180°.

2 Bend tabs up on bracket



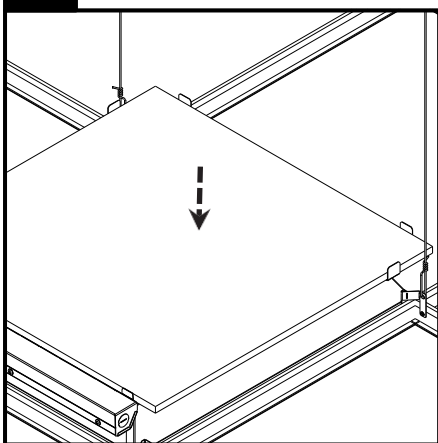
Bend both the tabs at the ends upwards on both Top Tile retention brackets.

3 Bend tabs up on fixture



Bend both fixture tabs upwards so they form a 90° angle (use needle nose pliers, if needed).

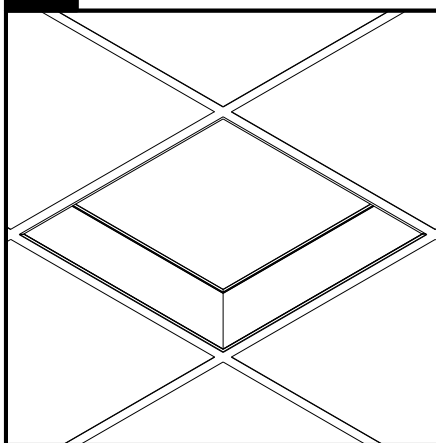
4 Place Top Tile



Place Top Tile between the bent-up tabs.

NOTE: Top Tile will overhang by ~2" from the fixture

5 Finishing



Make sure the tile is sitting flush with the fixture.

! ATTENTION: Install in accordance with local and national building and electrical codes.

IS-DF Top Tile Installation Sheet – Customer Supplied Tiles

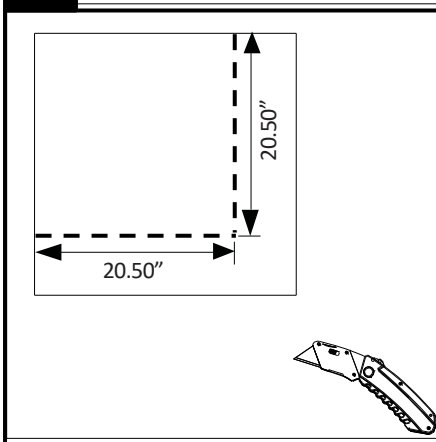
Preparing Top Tile – Customer supplied

24" x 24" nominal size - tiles for fixtures sitting back-to-back or custom tiles.

! DISCLAIMER! CUSTOM TOP TILES MUST COMPLY WITH LOCAL BUILDING CODES AND REGULATIONS. PLEASE ENSURE ALL MATERIALS USED MEET THE NECESSARY REQUIREMENTS.

! Warning! Maximum allowable thickness is 0.75" (19mm) and maximum allowable weight is 5lbs (2.2kg) for customer supplied and/or custom top tiles.

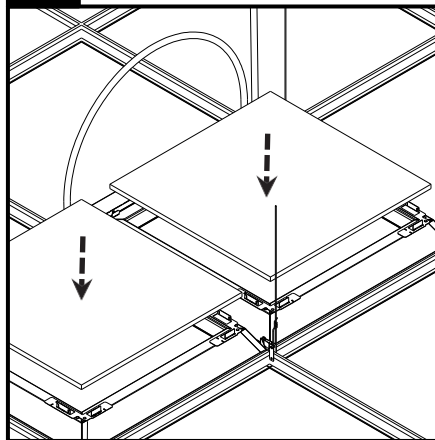
1 Cut tile to size



Carefully cut tile to size: 20.50" x 20.50" (521mm x 521mm).

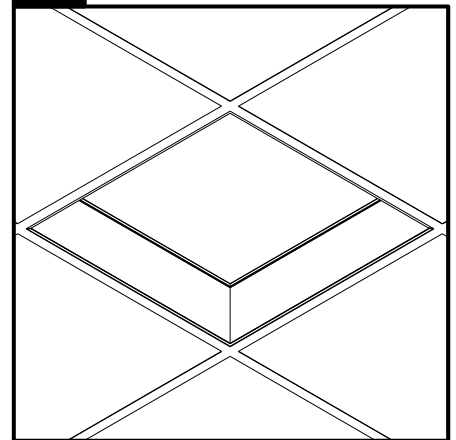
NOTE: Cutting materials from Ledalite or 3rd parties may void warranty.

2 Top Tile installation



Follow steps 1 to 4 of "Top Tile Installation Sheet – Ledalite Tiles" and then place top tiles between the bent-up tabs.

3 Finishing



Make sure the tile is sitting flush with the fixture.

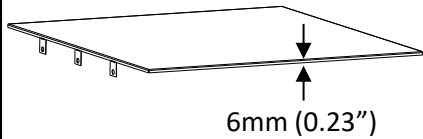
! ATTENTION: Install in accordance with local and national building and electrical codes.

Preparing Top Tile – Ledalite supplied

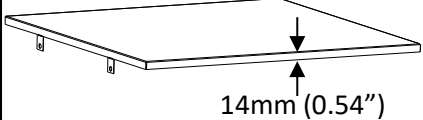
20.5" x 20.5" nominal size – acoustic and acrylic tiles by Ledalite.

1 Retention bracket setup

For Acrylic:

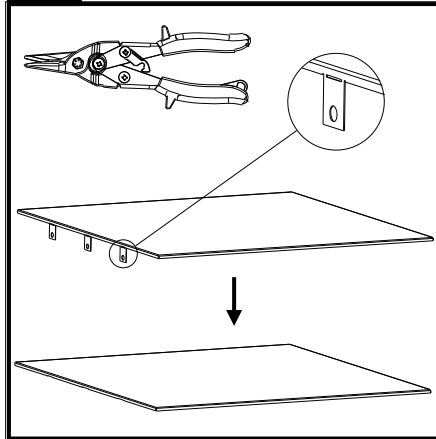


For Acoustic:



Start by following steps 1 to 4 of "Top Tile Installation Sheet – Ledalite Tiles" and then select appropriate metal backing plate for your tile (acrylic or acoustic).

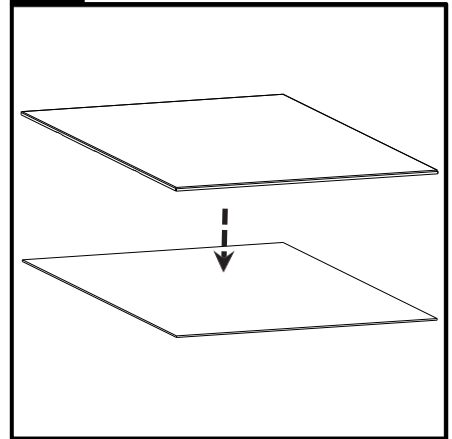
NOTE: Gloves are recommended when handling Acrylic tiles to prevent debris or marks.

2 Remove metal fins

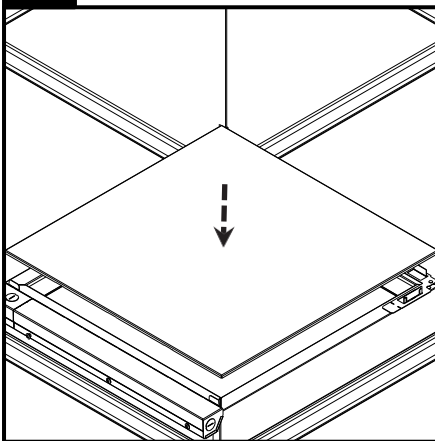
Remove all fins from the metal backing plate.

Optional: Use metal snips.

NOTE: Fins in the metal backing plate are for manufacturing use only and not used in installation.

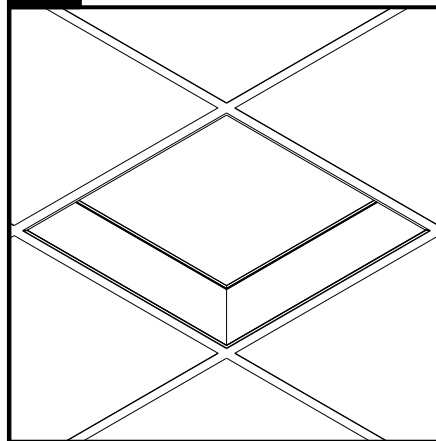
3 Place metal backing plate

Place the metal backing plate on top of the tile.

4 Place Top Tile

Place Top Tile with metal backing plate between the bent-up tabs.

ATTENTION: Ensure the Top Tile is fully covered by the metal backing plate and no edges of the top tile are visible.

5 Finishing

Make sure the tile is sitting flush with the fixture.

! ATTENTION: Install in accordance with local and national building and electrical codes.

INSTALLATION

WARNINGS AND INSTRUCTIONS FOR LUMINAIRES

IMPORTANT: 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.

FOR YOUR PROTECTION, YOU MUST CAREFULLY READ ALL WARNINGS AND INSTRUCTIONS IN THEIR ENTIRETY PRIOR TO INSTALLATION, OPERATION, SERVICE OR MAINTENANCE. FAILURE TO DO SO CAN RESULT IN DEATH, PERSONAL INJURY AND PROPERTY DAMAGE. If you do not understand these warnings and instructions, or if additional information is desired, please contact the Customer Care Call Center at 800-555-0050.

• **Installation, service and maintenance of luminaires must be performed by a qualified professional and in accordance with all federal, state and local laws, regulations and electrical codes. This professional should be familiar with the construction and operation of this product and any hazards involved. If not qualified, do not attempt installation, service or maintenance.**

• **To reduce the risk of death, personal injury or property damage from fire, electric shock, falling parts, cuts, abrasions and other hazards, please read all warnings and instructions included with the luminaire, on the luminaire's packaging and affixed to the luminaire itself.**

• **Maintenance of the luminaires should be performed by person(s) familiar with the luminaire's construction and operation and any hazards involved.**



WARNING

RISK OF FIRE, ELECTRIC SHOCK OR PERSONAL INJURY

- Disconnect or turn off power before attempting any installation, service or maintenance.
- Verify that supply voltage is correct by referencing the luminaire label information.
- Make all electrical and ground connections in accordance with the National Electrical Code (NEC) and any other applicable laws, regulations or codes.
- All wiring connections should be capped with UL-approved wire connectors.



WARNING

RISK OF PERSONAL INJURY

- Wear gloves and safety glasses at all times when removing luminaire from carton, installing, servicing or performing maintenance.
- Avoid direct eye exposure to the light source while it is on.



WARNING

RISK OF FIRE, ELECTRIC SHOCK OR PERSONAL INJURY

- Allow LED/lamp & lens to cool before handling.
- Do not touch enclosure or light source.
- Do not exceed maximum wattage marked on luminaire label.
- Follow all manufacturer's warnings, recommendations, instructions and restrictions for driver type, burning position, mounting locations and replacement.



WARNING

RISK OF FIRE OR PERSONAL INJURY

- Keep combustible materials away from LED/lamp & lens.
- Do not operate in close proximity to persons, combustible materials or substances affected by heat or drying.



CAUTION

RISK OF PRODUCT DAMAGE

- Never connect luminaires and/or components under load with supply voltage turned on.
- Do not mount or support these luminaires in a manner that can cut the outer jacket or damage wire insulation.
- Do not restrict fixture ventilation. Allow for some volume of airspace around luminaire. Avoid covering luminaire with insulation, foam or other material that will prevent convection or conduction cooling.
- Do not exceed luminaire maximum ambient temperature.
- Do not modify the luminaire.
- Only use luminaire in its intended application and location.
- LED products are polarity sensitive. Ensure proper polarity before installation.
- Electrostatic Discharge (ESD) can damage LED. Personal grounding equipment must be worn during all installation and servicing of the luminaire.
- Do not touch individual electrical components as this can cause ESD, shorten LED life, or impact LED performance.
- Some components inside the luminaire may not be serviceable. In the unlikely event your luminaire may require service, stop using it immediately and contact the Customer Care Call Center at 800-555-0050.
- Always read the luminaire's complete installation instructions prior to installation for any additional luminaire specific warnings.
- In the case of HID or Fluorescent luminaires, regular re-lamping is required to keep luminaire operating within safe limits
- **Do not install damaged product.** Handling and installing damaged products can potentially increase the risks mentioned. In case of damage and/or missing parts upon arrival of the luminaire, please contact the Customer Care Call Center at 800-555-0050.
- These instructions do not purport to cover all details or variations in equipment nor to provide every possible contingency to meet in connection with installation, operation or maintenance. Should further information be desired, or should particular problems arise which are not covered sufficiently for the purchaser's or owner's purposes, this matter should be referred to the Customer Care Call Center at 800-555-0050. Please see luminaire specific Installation and Maintenance Instruction for additional warnings or any applicable FCC or regulatory statements. Failure to follow any of these instructions could void luminaire warranties.

Luminaire Maintenance

- Regular luminaire maintenance programs are recommended.
- It is recommended to clean the outside of the luminaire and the refractor/lens.
- Frequency of cleaning will depend on ambient dirt level and minimum light output which is acceptable to user.
- If clean water is not sufficient for cleaning, use a neutral, synthetic, non-scratching and non-abrasive cleaning substance.
- Never use alkaline and/or acetous cleaning substances.
- Make sure that the cleaning substance is carefully removed by rinsing with lots of clean water.
- Signify recommends using a cleaning solution that has a PH between 5 and 8.
- Recycle: For information on how to recycle electronic products and components, please visit www.epa.gov.

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