Installation Safety Precautions
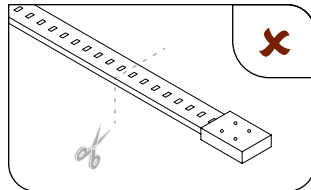## Orex and Orex 277

Safety Precautions ⚠

Voltage

Hazardous voltage present. Please verify voltage prior to connecting and install per state and local codes.
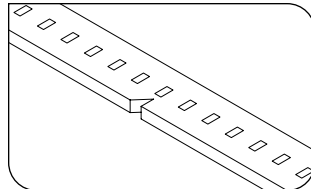
Product Modifications

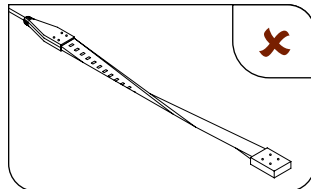Product is NOT to be modified in the field. Modifications will void ETL listing and warranty.

Damage

Remove from power source immediately if any damage is found in the LED strip or cabling.
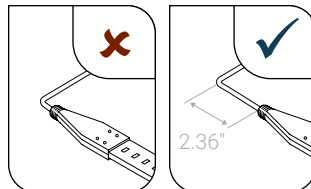
Twisting

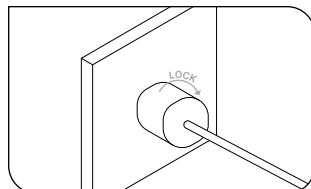Do not twist or bend product excessively. Do not hit or pull the product with excessive force.

Cable Handling

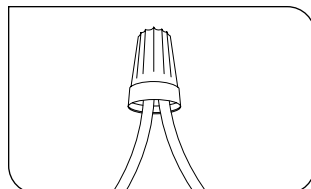The first 2.36" (60mm) of the cable should maintain its natural state before any bending occurs.

2.36"

Secure Connections

Ensure all electrical connections are insulated and secure before applying power.
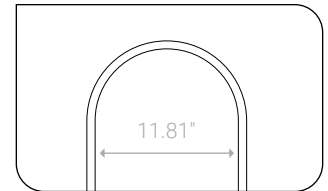
LOCK

Proper Connections

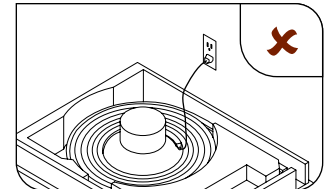Connect power feed to appropriate power source or controls.

Bending Limits

Do not bend product smaller than bending diameter: 11.81" (300mm).

11.81"

Power Testing

Do not power up while coiled for over 30 minutes. This may lead to overheating and damage.

Kelvix Accessories

The use of third-party accessories must be pre-approved by Kelvix. Failure to do so will void manufacturer warranty.

5 YEAR WARRANTY

a) READ AND FOLLOW ALL SAFETY INSTRUCTIONS
b) Do not cover this product as the covering may cause the flexible light to overheat and melt or ignite.
c) Do not operate with the Orex flexible light tightly coiled. To prevent overheating, do not allow contact between Orex flexible light cables and parts of light cables. Maintain at least 0.47 inches spacing between Orex flexible light cables or parts of light cables.
d) Do not puncture, cut, shorten, or splice the Orex flexible lighting.
e) Do not route the cord or Orex flexible lighting through walls, doors, windows or any like part of the building structure.
f) Do not use if there is any damage to the light or cord insulation. Inspect periodically.
g) Do not submerge Orex flexible light in liquids or use the product in the vicinity of standing water or other liquids.
h) Secure this Orex flexible light using only the hangers or clips provided. Do not secure this product or its cord with staples, nails, or like means that may damage the insulation or permanently attach to the building structure.
i) Do not subject Orex flexible lighting to continuous flexing.
j) DO NOT EXCEED THE MAXIMUM NUMBER OF EXTENSIONS OR OREX FLEXIBLE LIGHT LENGTHS PERMITTED BY THE MARKING.
k) Secure this flexible light cable using only the hangers or clips provided. Do not secure this product or its cord with staples, nails, or like means that may damage the insulation.
l) Do not install in cabinets, tanks or enclosures of any kind.
SAVE THESE INSTRUCTIONS
WARNING: When using outdoor use portable lighting products, basic safety precautions should always be followed to reduce the risk of fire, electric shock, and personal injury, including the following:
a) Ground Fault Circuit Interrupter (GFCI) protection should be provided on the circuits or outlet to be used for the outdoor use Orex flexible lighting product. Receptacles are available having built-in GFCI protection for this measure of safety.
b) Use only outdoor extension cords, such as type **SW, SOW, STW, STOW, SJW, SJOW, SJTW,** or **SJTOW.** This designation is marked on the wire of the extension cord.
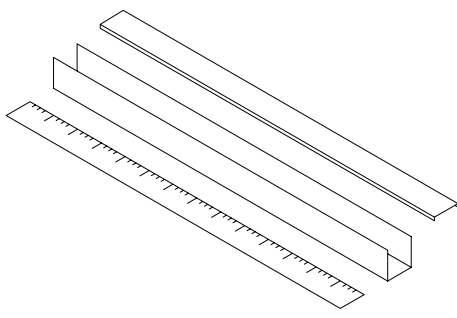c) Caution: Do not install closer than 118 inches from a swimming pool surface.

Fixture Type

Project Name

Location

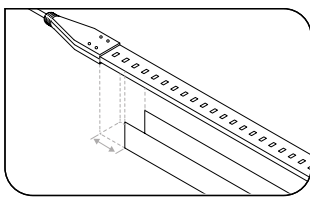# Aluminum Channel Installation Guide
Orex and Orex 277

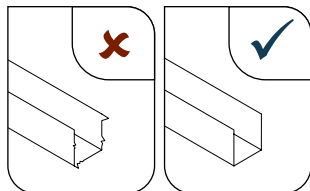**1** Measure and cut channel and lens to length as needed.

Profile Length

Reserve 0.25" (6.3mm) between the connector and channel on each end. (power feed & end cap)
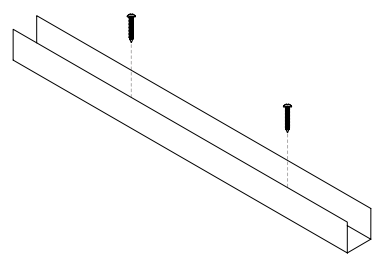
Profile Cutting

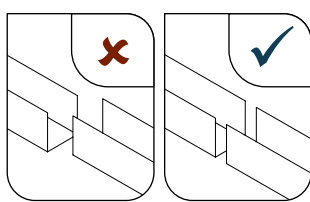Make sure the cross section of the channel is smooth without any burrs.

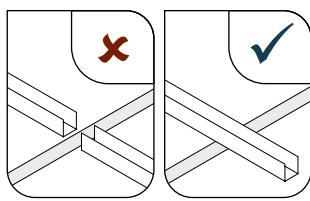**2** Screw channel through pre-drilled holes directly into mounting surface.

Profile Alignment

When using multiple channels the channel junctions should be aligned and the gap between should be at least 0.19" (5mm).
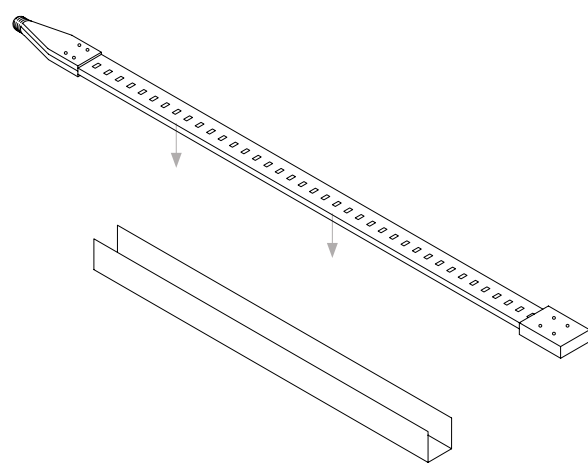
Expansion Joints

Do not connect two channels at an expansion joint. Cross the expansion joint near the middle of the channel.
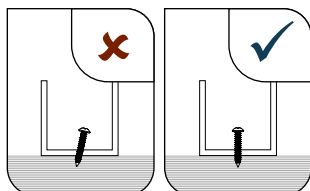
3 Remove 3M backing then apply LED strip into the channel (power feed and end cap will extend past the end of the channel).

Profile Securing

Ensure screws are driven vertically and flush to bottom edge to avoid damaging the outer jacket during installation.
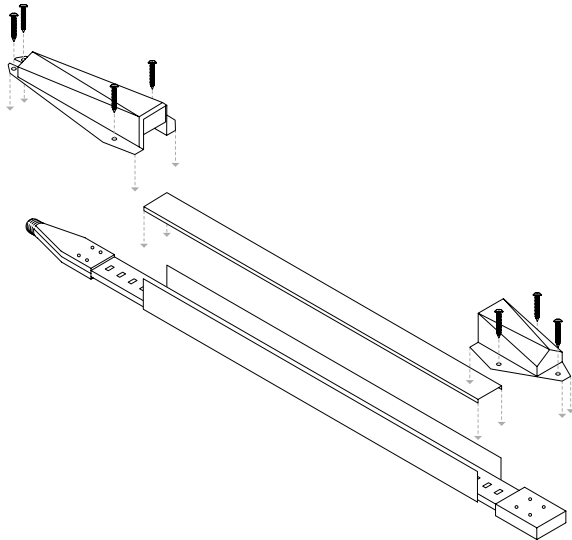
Fixture Type _____

Project Name _____

Location _____

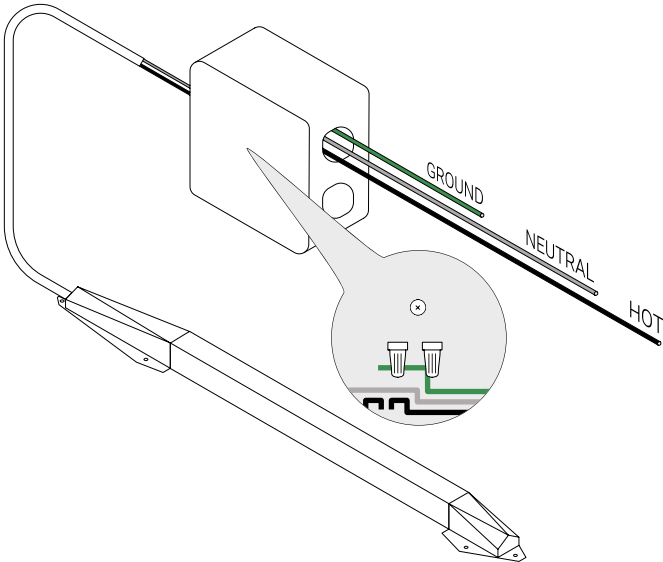# **Aluminum Channel Installation Guide**
Orex and Orex 277

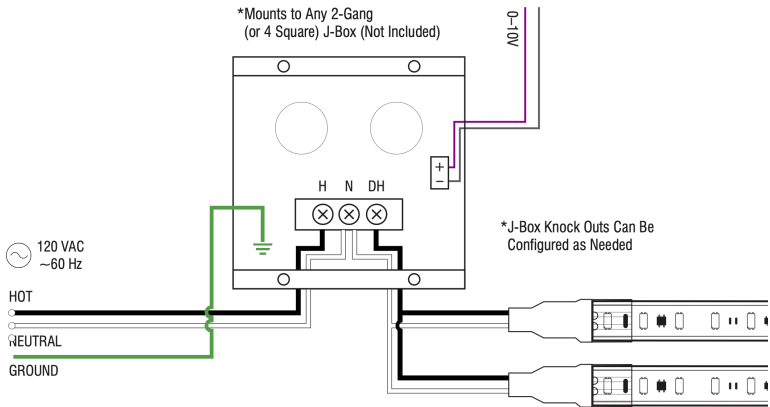**4** Attach the channel lens then the channel start cap and the channel finish cap.

5 For RX277, RX, and RXT products with a hardwire cable, hardwire in a standard J-Box. For RX and RXT products with a plug in cable, ensure connection to receptacle is secure. Connect to AC Power after verifying all electrical connections.

GROUND

NEUTRAL

HOT

Dimming

For 0–10V wiring, please refer to the corresponding LCX spec sheet for details or reach out to our team.

*Mounts to Any 2-Gang
(or 4 Square) J-Box (Not Included)

0–10V

H   N   DH

+
–

*J-Box Knock Outs Can Be
Configured as Needed

120 VAC
~60 Hz

HOT
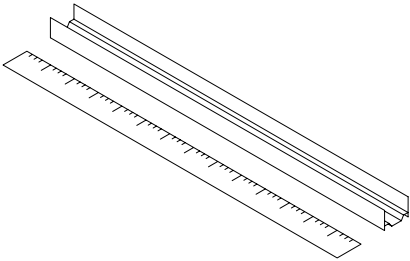
NEUTRAL

GROUND

Fixture Type

Project Name
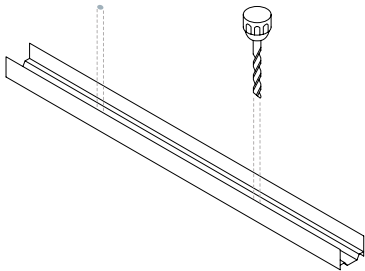
Location

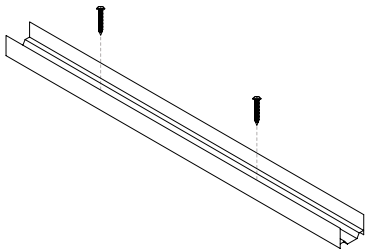# Plastic Mounting Base Installation Guide
RX, RXT, RX277

1 Measure and cut base to length as needed.

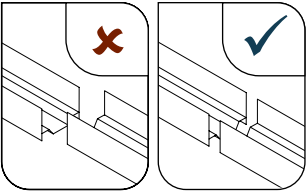**2** Drill mounting holes through base.

3 Screw base through pre-drilled holes directly into mounting surface.
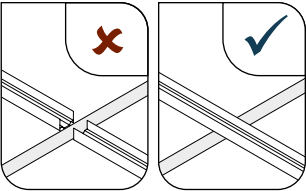
Profile Alignment

When using multiple channels the channel junctions should be aligned and the gap between should be at least 0.19" (5mm).
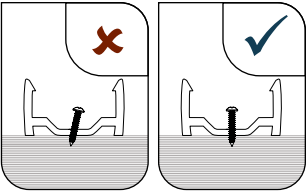
Expansion Joints

Do not connect two channels at an expansion joint. Cross the expansion joint near the middle of the channel.

Profile Securing

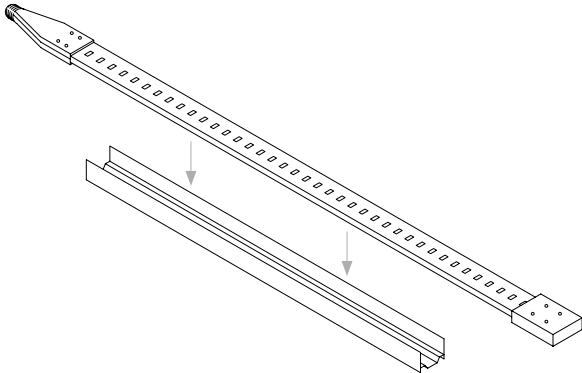Ensure screws are driven vertically and flush to bottom edge to avoid damaging the outer jacket during installation.

Fixture Type

Project Name
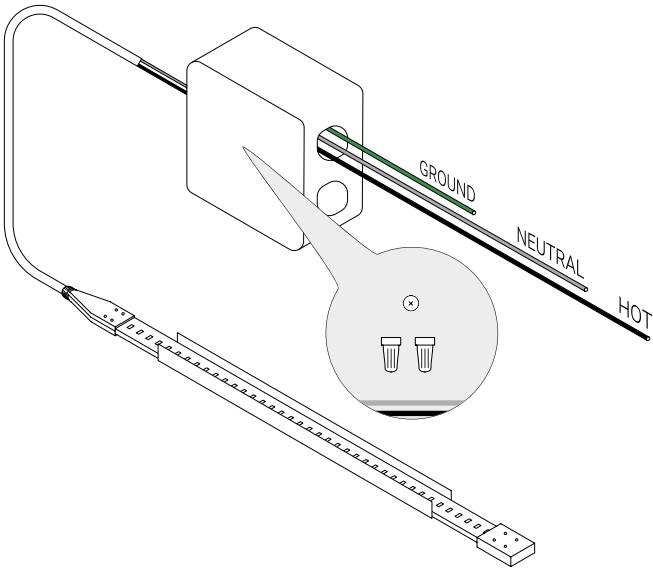
Location

Plastic Mounting Base Installation Guide

RX, RXT, RX277

4 Remove 3M backing then apply LED strip into the base (power feed and end cap will extend past the end of the base).
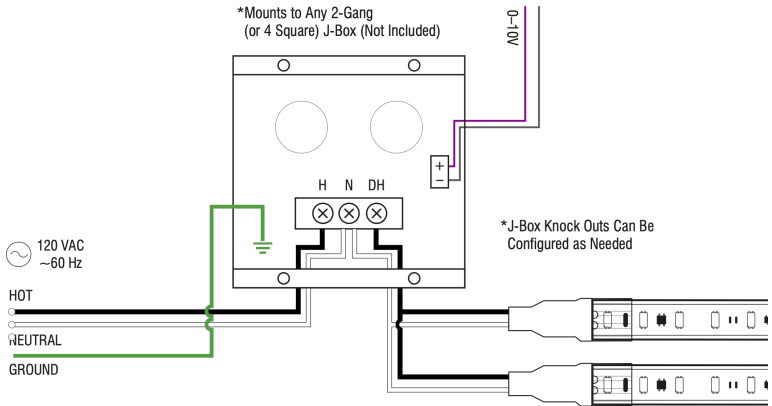

5 Hardwire in standard J-Box. Connect to AC Power after verifying all electrical connections.

Dimming

For 0–10V wiring, please refer to the corresponding LCX spec sheet for details or reach out to our team.

GROUND

NEUTRAL

HOT

*Mounts to Any 2-Gang
(or 4 Square) J-Box (Not Included)

0–10V

H   N   DH

120 VAC
~60 Hz

*J-Box Knock Outs Can Be
Configured as Needed

HOT

NEUTRAL

GROUND

Fixture Type

Project Name

Location

Mounting Clips Installation Guide
RX, RXT, RX277

1 Measure and mark clip mounting location. Recommended 1-2 clips per foot.

90° Mounting Clip

If using the 90° mounting clips, please ensure clip is oriented in desired mounting direction prior to securing.

BACK MOUNT   BASE MOUNT

Profile Securing

Ensure screws are driven vertically and flush to bottom edge to avoid damaging the outer jacket during installation.

2 Screw mounting clips into mounting surface.

3 Snap Orex into mounting clips.

Kelvix reserves the right to update the product specifications at any time. Field modifications will void Kelvix warranty

Fixture Type _____

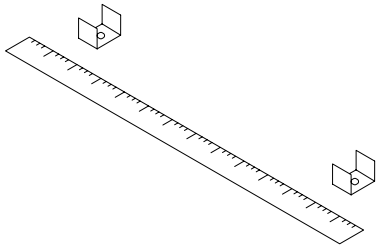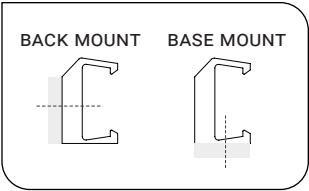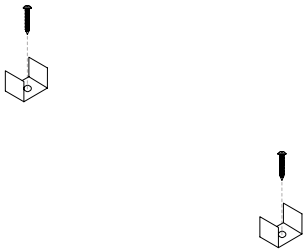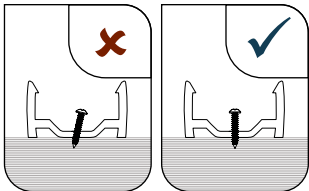Project Name _____

Location _____