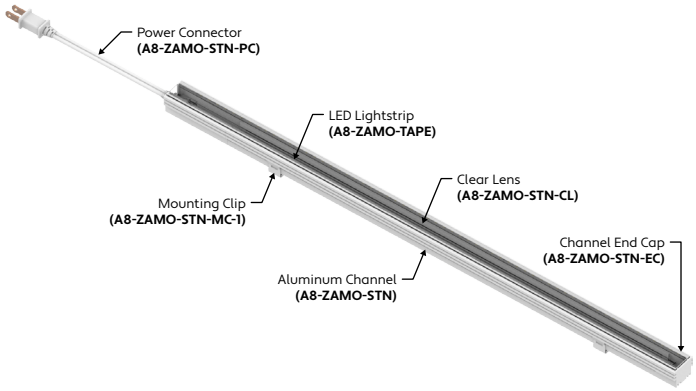
A8 Series | LED Tape
ZAMO Standard
(A8-ZAMO-STN)

Overview



READ ENTIRE GUIDE BEFORE STARTING INSTALLATION

Important Notice: Verify correct luminaire was received with correct color temperature, voltage, and wattage before cutting or installing. ALUZ will not be responsible if incorrect luminaire is installed.

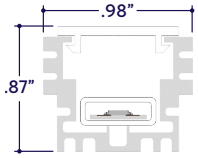
GENERAL FEATURES

Applications	Accent, Decorative Lighting
Viewing angle	120°
Length	Built to Order (+/- 1/8" Tolerance)
Assembly Increment	4"
Mounting	Mounting Clips (Sold Separately)
Listing	UL 1598 CSA C22.2#250
Closet Rating	Up to 3.6 Watts per Foot Maximum
Installation Link	**Link to Installation Instructions** >

ELECTRICAL

Dimming	Forward Phase (TRIAC)
Maximum Run	80'
Luminaire Voltage	120V

END VIEW / DIMENSIONS



INSTALLATION RECOMMENDATIONS

- Luminaires must be mechanically attached directly to mounting surface using mounting clips, channels, or other appropriate means. Refer to installation step by step pages for details.
- Conduit raceway should be sleeved at one end for low voltage wires going to driver.

INSTALLATION TOOLS REQUIRED

- Electric Hammer Drill
- 14.4 to 28 Volt Cordless Drill
- Phillips Bits
- Utility Knife
- Electrical Cord
- Marker
- Wire Stripper
- Long Nose Pliers
- Drill Bits - Concrete or Wood
- Electrical Three Ways
- Safety Glasses
- Measuring Tape
- Laser Line or Chalk Line

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WARNING

When using LED Lightstrip for any application, basic safety precautions should always be followed to reduce the risk of fire, electric shock, and personal injury. LED Lightstrip must be installed in accordance with the NEC or CEC as applicable. ALUZ will not be responsible for any damage or malfunction caused by the following:

- Ensure power is off before installation begins, during replacements, additions, or repairs.
- Do not use LED Lighting if damaged, such as broken boards, loose connections, or frayed wire insulation. Inspect before installing.
- Do not install LED Lighting in hazardous locations.
- Do not cover LED Lighting with any material, as it may cause LEDs to overheat, melt, or ignite. **(Fig. 1)**
- Do not paint on or over fixture lens or LEDs. Paint or any other substance on lens or LEDs will cause a shift in color temperature.
- Soffit must be evenly painted with a neutral white to avoid color shift.
- Do not modify LED Lighting in the field.
- Do not overlap LED Lightstrips in any way.
- Only use LED Lighting with specified rated voltages. Do not exceed the specified voltage for any LED Lighting fixture.
- Do not use LED Lighting mounting channel as a raceway for additional wire. Non-factory feed through wires inside LED Lighting will void warranty.
- Ground Fault Circuit Interrupter (GFCI) protections should be provided on circuits or outlets when LED Lighting is used for outdoor applications.
- Surge protector must be set up for electrical power system to avoid damaging LED Lighting system.
- Do not make wiring connections without confirming provided wiring diagrams.
- Do not cut wires while the lighting is energized.
- Do not connect LED Lightstrip to power source while spooled or coiled. **(Fig. 2)**
- Do not connect DC output from remote drivers in parallel. Parallel connections interfere with dimming capabilities and result in feedback that damages drivers. **(Fig. 3)**
- Do not exceed maximum run lengths.
- Always mount channels and mounting clips on flat, even surfaces.
- Do not mount LED Lightstrip with staples, nails, or like means that might damage the insulation. Mount with double-sided tape and mounting clips.
- Do not install mounting clips over LED diodes. **(Fig. 4)**
- Do not penetrate LED Lightstrip with any foreign object. **(Fig. 5)**
- Do not mount LED Lighting inside tanks or enclosures of any kind.
- Do not use improper screw head type on mounting clips. It will cause the mounting clip to open up and become dysfunctional.
- Do not modify mounting clips.
- Do not mount fixture with less than the minimum number of mounting clips required. See mounting clips section for details.
- Do not force LED Lighting into a space that is too small.
- Do not force LED Lighting with cord grip into soffit.
- Do not install LED Lighting fixtures at an angle within a cove. Only install fixtures straight within a cove.
- Do not bend mounting channel around radius.
- Do not submerge dry or wet location LED Lighting in any liquid.
- Do not install wet location in outdoor coves without proper drainage. **(Fig. 6)**
- Do not install LED Lighting in any area that is continuously exposed to flowing or pooling water, such as underneath drain pipes, sprinklers, fountains, misters, etc.
- Do not install connectors without shrink tube for wet location. **(Fig. 7)**
- Do nut use a lighter or open flame to heat shrink tube. **(Fig. 8)**
- Do not cut, puncture, or penetrate the lighting's aluminum housing, end caps, or lens covers.
- Do not drop, bang, or rest weight upon lighting.
- Do not apply excessive pressure to any part of LED Lighting or LEDs. **(Fig. 9)**
- Do not bend LED Lighting power cord or continuous connector past permitted bend radius. Bending past permitted bend radius will break the seal of the cordgrip or damage the insulation. 1.5" minimum bend radius. **(Fig. 10)**
- Do not bend lightstrip past permitted bend radius. Bending past permitted bend radius will break the seal of the cordgrip or damage the insulation. 1.5" minimum bend radius.
- Do not install LED Lightstrip in a zig zag fashion. **(Fig. 11)**
- Do not fold, crease, or twist LED Lightstrip. **(Fig. 12)**
- Do not bend LED Lightstrip along a horizontal plane. **(Fig. 13)**
- Do not overlap LED Lightstrip at any location. **(Fig. 14)**
- Do not cross or overlap mounting channels and twist lightstrip to overlap. **(Fig. 15)**
- Do not install LED Lighting in places where the power cord is subject to continuous flexing.
- Do not twist continuous connector, power cord, or any other wiring.
- Do not hold, carry, or suspend LED Lighting by the power cord.
- Do not install LED Lighting on ceilings without mounting clips. **(Fig. 16)**

FIGURES

Fig. 1

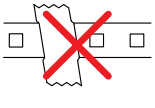


Fig. 2

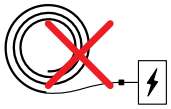


Fig. 3

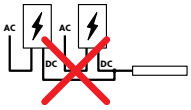


Fig. 4

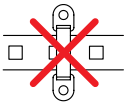


Fig. 5

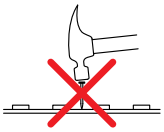


Fig. 6

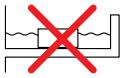


Fig. 7

Fig. 8

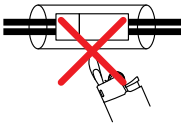


Fig. 9

Fig. 10

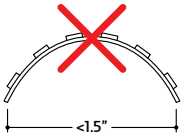


Fig. 11

Fig. 12

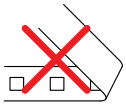


Fig. 13

Fig. 14

Fig. 15

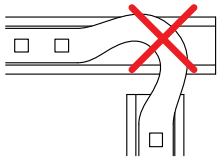


Fig. 16

CLEANING MATERIALS

The use of solvents and/or cleaners which are not compatible with polycarbonate will result in the softening, crazing, and/or cracking of the plastic part. This is especially true of polycarbonate lamps and mounting bases which may be under stress in their normal applications.

COMPATIBLE WITH POLYCARBONATE

- Mild soap and water
- Mineral Spirits
- Isobutyl Alcohol
- VM and P Naphtha
- Varsol No.2
- Mexane
- Freone TF and TE-35
- Ethanol
- Dirtex
- 2% Sol. Reg. Joy
- 10% Sol Bon Ami
- White Kerosene
- Methyl Alcohol
- Heptane
- Petroleum Ether / 65°C
- Isopropyl Alcohol
- Lacryl PCL-2035 Polycarbonate Cleaner

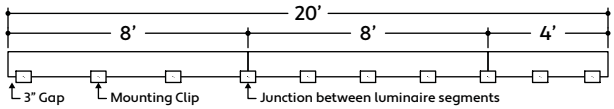
NOT COMPATIBLE WITH POLYCARBONATE

- Trichlor
- Gasoline
- Liquid Detergents
- Acetone
- Carbon Tetrachloride
- Pink Lux (Phosphate free)
- Triclene
- Chlorinated Hydrocarbons
- #1 & #3 Denatured Alcohol
- Methyl Ethyl Keytone (MEK)
- Texize-8006, 8129, 8758
- MIBK
- Liquid Cleaner – 8211
- Toluol
- Agitene
- Benzol
- Ajax
- Kleenol Plastics
- Lysol
- Stanisol Naphtha
- Oils
- Lemon Joy (phosphate free)
- Diversol
- Lestoil

1 Measure area where luminaire will be installed. Use a laser line to create a reference line along installation area, ensuring consistent alignment of mounting clips. Mark location where each mounting clip will be installed along reference line.

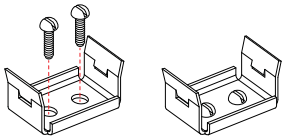
2 Use 1 mounting clip every 2', rounded up. Use a minimum of 2 mounting clips per luminaire segment. For vertical applications, create a stopper at the bottom of the run to prevent sliding.

3 Use a mounting clip at the junction between two luminaire segments.
Example: 20' Run.

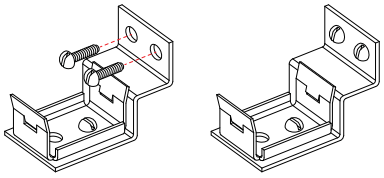


4 Lay mounting clips along reference line and pre-drill using an appropriate drill bit for surface material and screw size.
Typical screw size is 8/32 x 1".
Note: Allow 1/4" clearance on each side of mounting clip to account for lateral expansion. Only install mounting clips on flat, even surfaces.

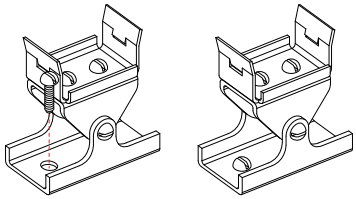
a Screw MC-1 to surface, then snap luminaire into mounting clips.



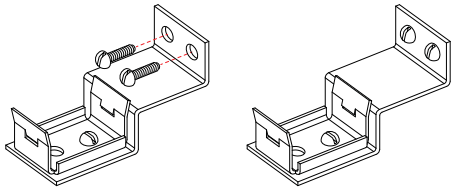
a Screw MC-2 to surface, then snap luminaire into mounting clips.



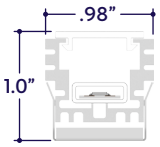
a Screw MC-3 to surface, then snap luminaire into mounting clips.



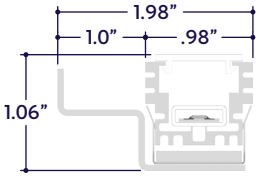
a Screw MC-4 to surface, then snap luminaire into mounting clips.



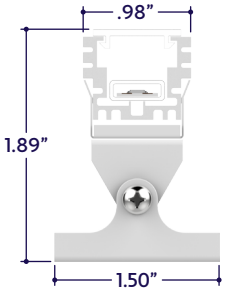
ASSEMBLED DIMENSIONS



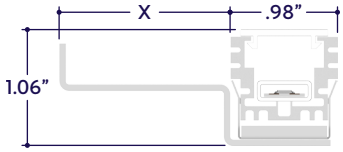
MC-1



MC-2

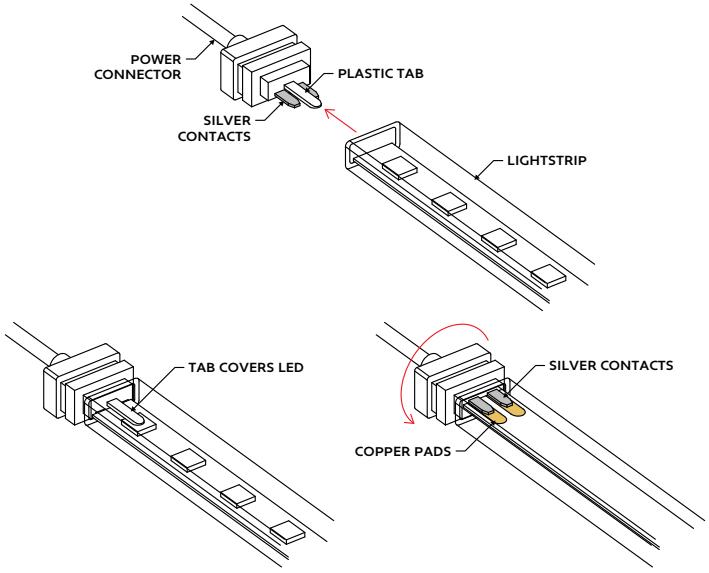


MC-3

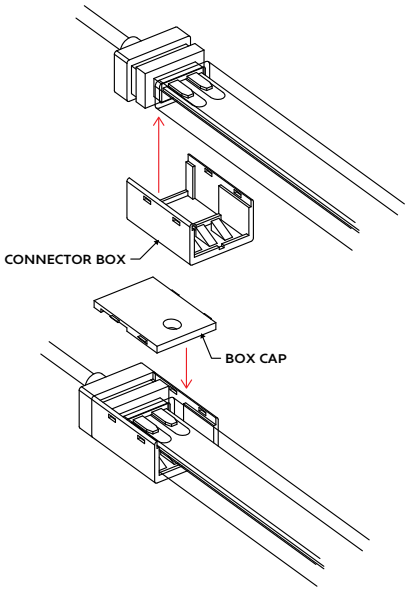


MC-4

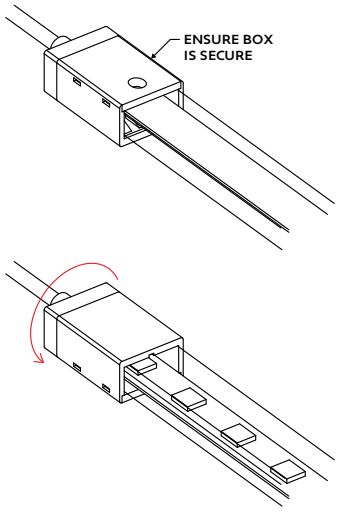
1 Insert connector plug into lightstrip. Ensure the connector and lightstrip are both correctly oriented. The clear plastic tab will cover the first LED of the lightstrip and the silver contacts will make contact with the copper pads on the underside of the lightstrip.
Note: Ensure polarity is aligned throughout the run. The plastic tab must be on top of the lightstrip, and the silver contacts underneath the lightstrip throughout the entire run.



2 Insert the connector box onto the assembled lightstrip and connector, then install the box cap to lock into place.



3 Ensure the cap snaps in and is securely fastened, then flip the lightstrip right side up.



4 For wet location applications, cover all seams of connector box with outdoor rated silicone (by others), then install a shrink tube to cover the entire box.

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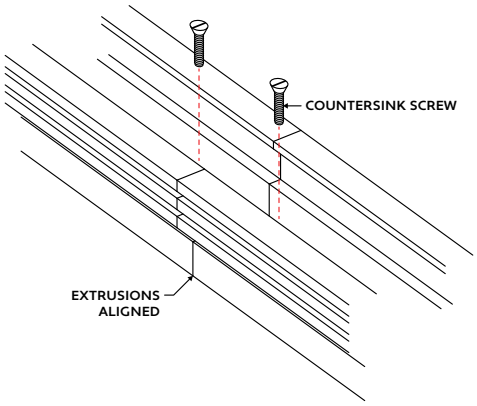
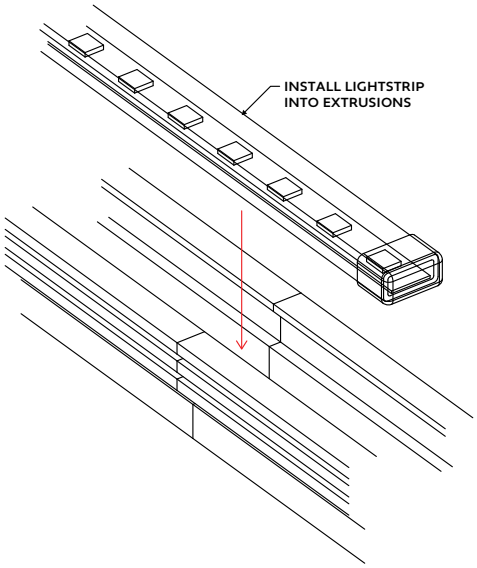
1 Measure area where luminaire will be installed. Use a laser line to create a reference line along installation area, ensuring consistent alignment of mounting channels. Mark location where each mounting channel will be installed along reference line.

2 Lay extrusions along reference line and drill at least 3 countersink holes per extrusion. Drill additional holes as needed.

3 Screw extrusions to surface using countersink screws.
Note: Ensure extrusions are aligned. Misalignment will prevent lens from snapping in.

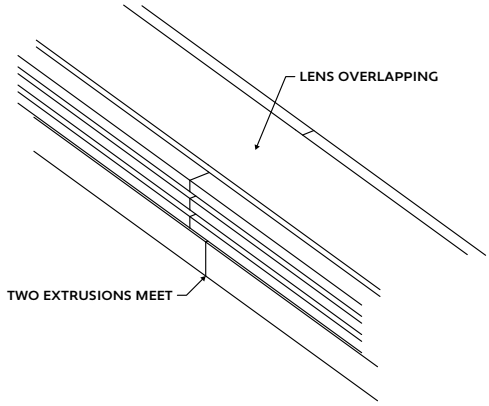


4 After all extrusions have been securely mounted, install lightstrip into mounted extrusions.



5 If applicable, connect jumper cables between luminaires using the steps from the **Connector Assembly** page.

6 Install lens into extrusion, overlapping where two extrusions meet. Plan your cuts so that the lens will always overlap where two extrusions meet. Overlapping lenses helps keep extrusions aligned and prevents light leaks.

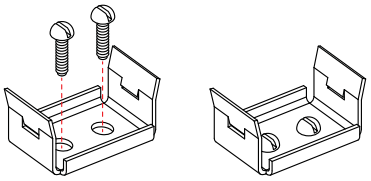


7 Perform a continuity test before connecting luminaire to power source.

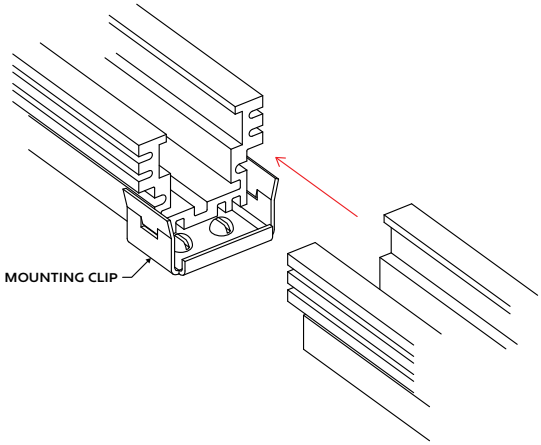
1 Measure area where luminaire will be installed. Use a laser line to create a reference line along installation area, ensuring consistent alignment of mounting clips. Mark location where each mounting clip will be installed along reference line.

2 Mark location where mounting clips will be installed.
Note: Verify number of mounting clips is appropriate for installation environment before installing. Do not install luminaires with inadequate number of mounting clips.

3 Lay mounting clips along reference line and pre-drill using an appropriate drill bit for surface and screw size.
Recommendation: 8/32 x 1" countersink screw.
Note: Allow 1/4" clearance for lateral expansion of assembled mounting clips. Only install mounting clips on flat, even surfaces.



4 Screw mounting clips to surface, then snap extrusions into mounting clips.
Note: Ensure extrusions are aligned. Misalignment will prevent lens from snapping in.



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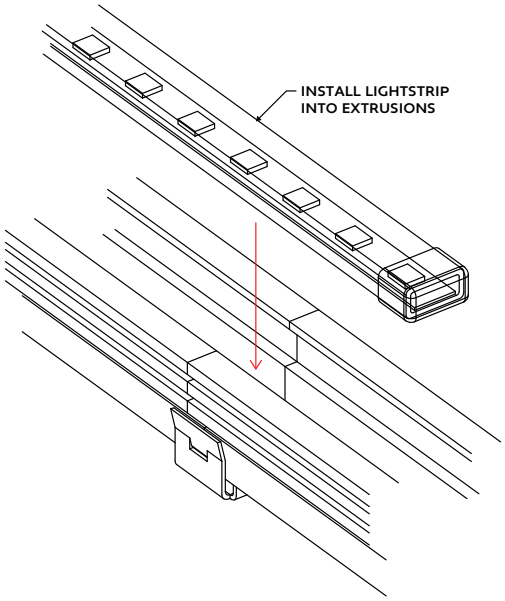

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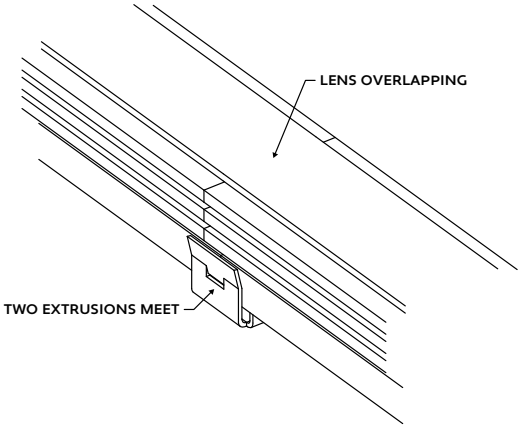

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