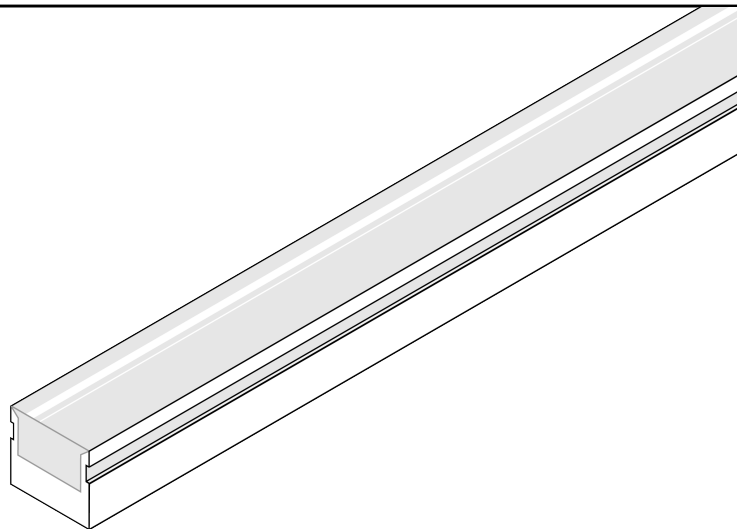


SAFETY & WARNINGS

1. Install in accordance with national and local electrical code regulations.
2. This product is intended to be installed and serviced by a qualified, licensed electrician.
3. Do not modify product beyond instructions or warranty will be void.
4. Install with a compatible Class 2 listed DC LED driver
5. To avoid a visible reduction in light output, ensure wire gauge used with LED Tape Light is sufficient to keep under 3% voltage drop.
6. Do not exceed maximum run recommended for Tape Light.
7. Failure to follow safety warnings, and installation instructions will void the warranty.
8. This product is not field cuttable.
9. Do not excessively pull on lead wires.

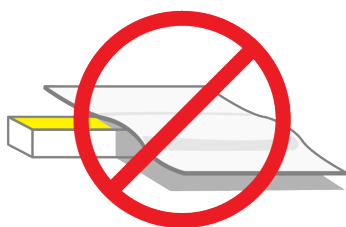


WARNING

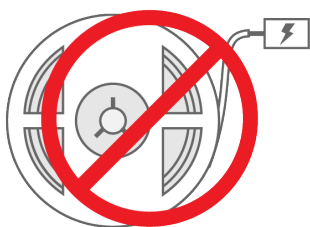
DO NOT CONNECT DIRECTLY TO LINE VOLTAGE POWER!

Read all warnings and installation instructions thoroughly.

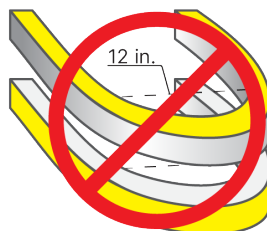
HANDLE WITH CARE



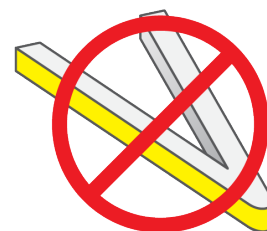
Do not cover with any materials.



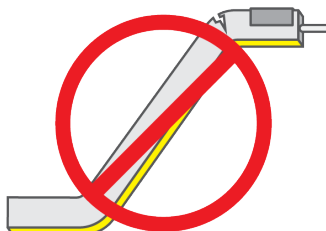
Do not power while attached to spool or tightly coiled.



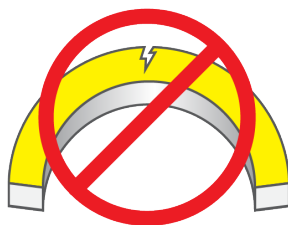
Do not bend to a diameter less than 12 inches.



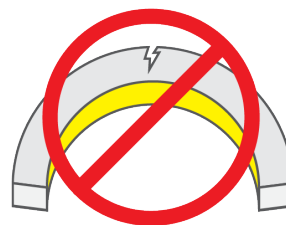
Do not fold, crease, or twist.



Do not allow product hang unsupported during installation.



Top Bend: Do not bend on a horizontal plane.



Side Bend: Do not bend on a vertical plane.

Pre-Installation

Underwater / Pool Applications



Instructions (pg. 3) and materials with this symbol must be used for underwater and pool applications. Use of these instructions and materials will ensure NEC 680 compliance.

UL 676 Underwater Luminaires / CAN/CSA C22.2 No. 89-1976 / UL 8750. This certification conforms to Article 680 and 682 of the National Electrical Code® for installation in swimming pools, fountains, spas, natural and artificially made bodies of water. File# E479607



Indoor / Outdoor Applications

Instructions and materials with this symbol may not be used for underwater or pool applications. Use of these instructions and materials will not be NEC 680 compliant.

AlphaTECH® LED Luminaire is available with the following connections. Ensure Class 2 power supply is compatible with connector prior to installation.



Bare Lead



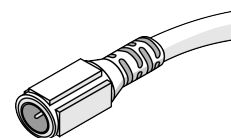
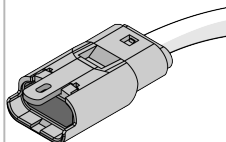
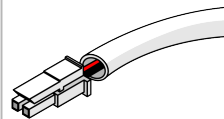
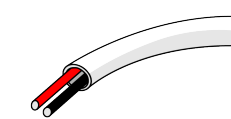
MIC Lead



IP67 Interconnect



DC Lead



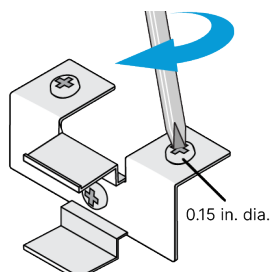
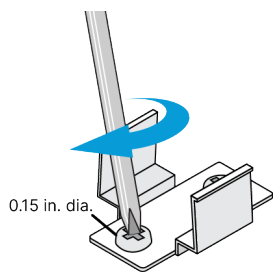
1. Turn Power Off at Circuit Breaker

2. Mount AlphaTECH® LED Luminaire

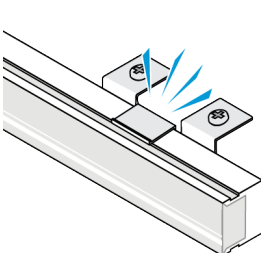
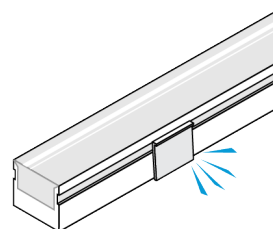


Mounting Clip

Screw mounting clip to surface.

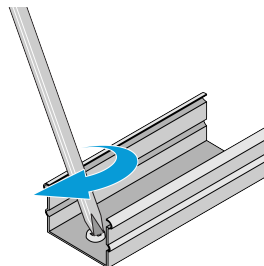


Place AlphaTECH® LED Luminaire into mounting clips.

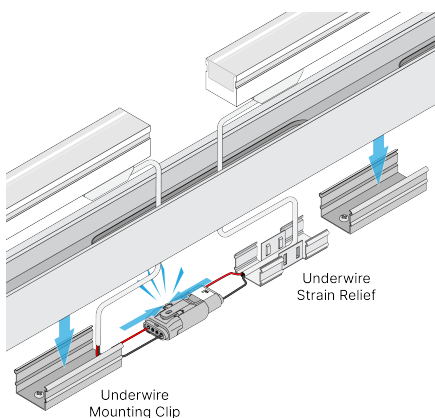


Underwire Channel

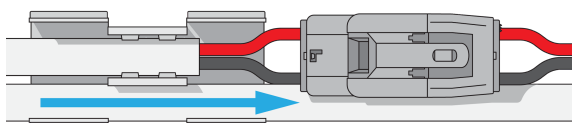
Fasten underwire mounting clip to surface.



Place underwire channels end-to-end onto underwire mounting clip, over strain relief, to create smooth, linear surface.

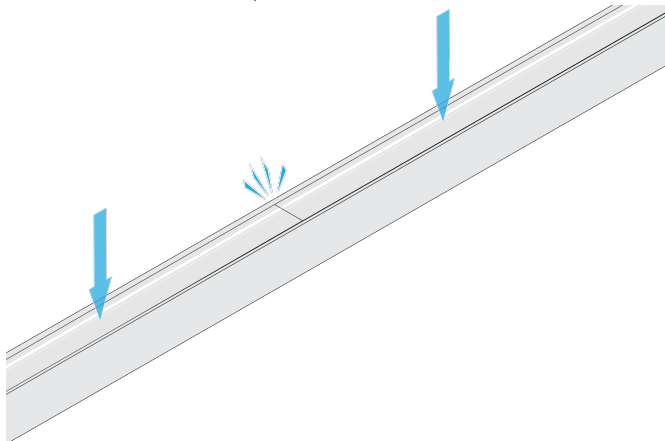


If running wires under channel, place AlphaTECH wires in offset (smaller) side of strain relief, and any thru-wires on opposite (wider) side of strain relief.



Press AlphaTECH® LED Luminaire firmly into channel. If necessary, include an appropriate amount of construction adhesive rated to bond to PVC and Polyurethane suited for the conditions of the installation.

Note: For vertical or inverted installations, Loctite PL MAX Premium adhesive is recommended.



NEC 680

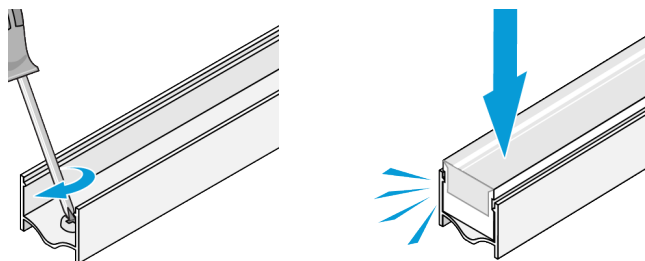
When installing in or near a pool, spa, or fountain, a UL 676 product must be used and must be installed in accordance to NEC 680 guidelines. Per UL instructions It is required to mount Luminaire with AlphaTECH® Mounting Channel for these applications.

UL 676

UL 676 Underwater Luminaires / CAN/CSA C22.2 No. 89-1976 / UL 8750. This certification conforms to Article 680 and 682 of the National Electrical Code® for installation in swimming pools, fountains, spas, natural and artificially made bodies of water. File# E479607

Channel

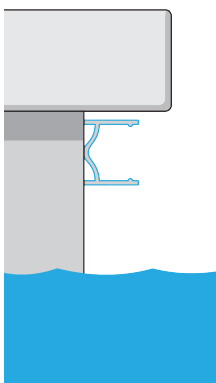
Press AlphaTECH® LED Luminaire firmly into channel. If necessary, include an appropriate amount of construction adhesive rated to bond to PVC and Polyurethane suited for the conditions of the installation.



Underwater / Pool Installation

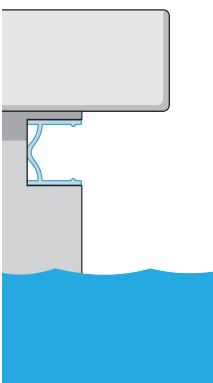
Wall Mount

(Channel only)
• Concrete pools only



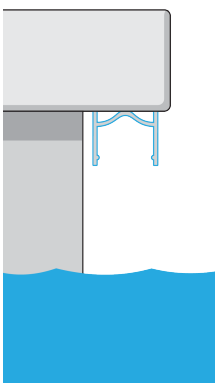
Recessed Mount

(Channel or clips)
• Concrete pools only

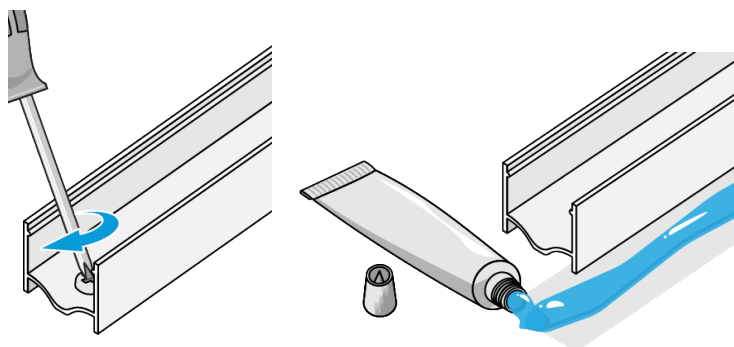


Coping Mount

(Channel only)
• Concrete pools
• Fiberglass pools
• Vinyl-Line pools

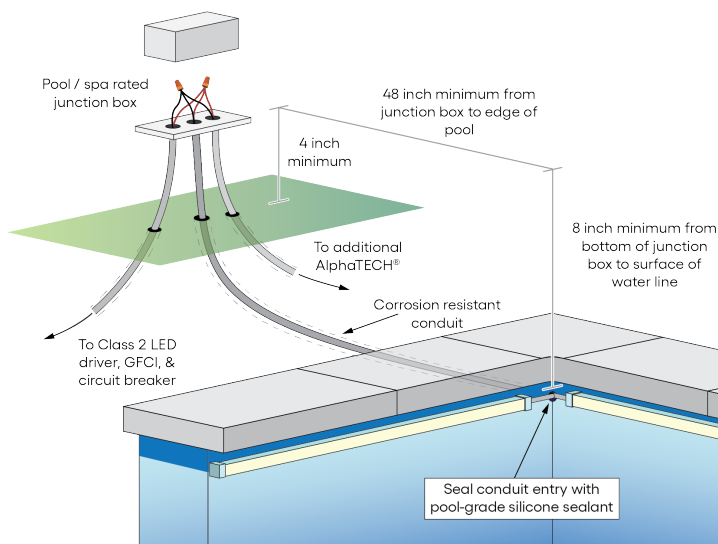


Mount channel to dry surface using either a screw, or chlorine resistant waterproof adhesive. Allow adhesive to cure/dry.

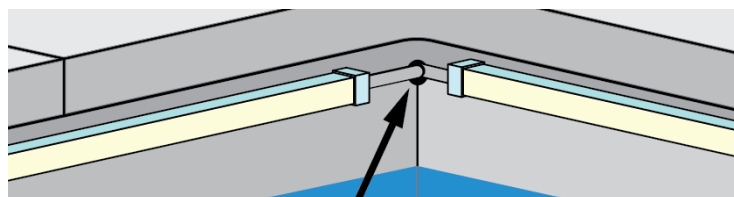


Fiberglass & Vinyl Lined Pools

Unlike concrete pools, most fiberglass and vinyl lined pools have strict warranty guidelines that do not allow the user to deface the pool wall surface. Diode LED does not recommend mounting to fiberglass or vinyl pool walls and/or defacing the surface in any way (ex. drilling into surface to route lead wires). It is recommended to mount to a separate pool coping or lip to ensure your pool warranty is not voided. Always consult with your pool supplier and contractor for proper installation of 3rd party products.



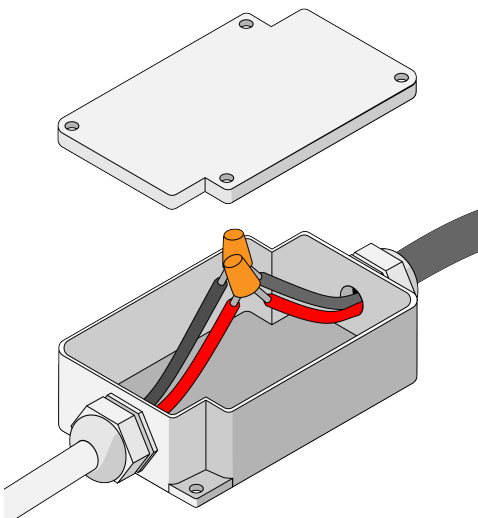
For concrete pools, seal conduit entry with appropriate amount of construction adhesive rated to bond to PVC and Polyurethane suited for the conditions of the installation. **DO NOT drill holes in fiberglass pools/hot tubs or vinyl-lined pools.** An alternate method is to route the wire directly out of pool.



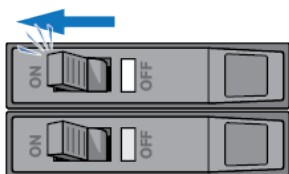
3. Attach Driver and Lighting Control

Outdoor & Underwater Installation

Using a pool/spa rated junction box, connect lead wires from AlphaTECH® Luminaire to wet location rated wires connected to power supply.



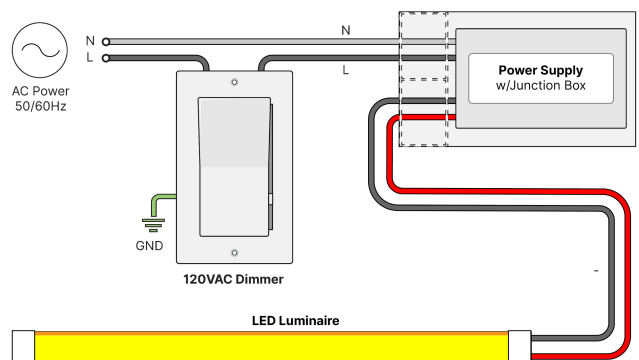
4. Turn Power on at Circuit Breaker



System Diagrams

The following diagrams are provided as example system designs. For information regarding larger systems or systems not pictured below, please see our web page or contact technical support. Always review each component installation guide for detailed and up-to-date wiring instructions. Install in accordance with national and local electrical codes.

Standard ON/OFF Switch System



RGBW System

