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LUMENLINEAR™ SECURITY MOUNTING CLIP

Lumenrail® Transit Proven
Components for Life
Safety, Security and Light



ROBUST SAFETY AND SECURITY

This cast stainless steel mounting clip for Lumelinear™ fixtures allows electrical connection space and centers the luminaires in each span between brackets or posts without the use of a foam slot filler.

Developed in conjunction with the New York City Transit Authority, the patented cast construction and a mechanical assembly ensure individual fixtures are tamper resistant, while still being easily removable with included security bit for easy maintenance or replacement. This robust component does require field-cutting for each application, so please review installation instructions before specification.



SCAN QR CODE
*for technical information,
downloads and instructions.*

- Cast 316 stainless steel construction
- Patented mechanical expansion fitting for security
- Stainless steel security hardware
- Provided security bit ensures simple removal for maintenance or replacement
- Ample protected space for wiring connections and hardware
- Field cuttable length centers luminaries
- NTCTA basis of design

LUMENLINEAR™ SECURITY MOUNTING CLIP

Installation Instructions LULSTP75PK

Another Lumenrail® Component for Life Safety and Light

WARNING: TO REDUCE RISK OF ELECTRIC SHOCK, TURN OFF THE ELECTRICAL SUPPLY BEFORE INSTALLING OR SERVICING THE SYSTEM. FAILURE TO DO SO MAY RESULT IN SERIOUS INJURY AND/OR DAMAGE TO THE COMPONENTS.



LIGHTING SAFETY INSTRUCTIONS

READ THE INSTALLATION INSTRUCTIONS IN THEIR ENTIRETY BEFORE INSTALLING. IT IS IMPORTANT TO LEAVE THESE INSTRUCTIONS WITH THE OWNER OR FACILITY MANAGER OF THE BUILDING FOR FUTURE REFERENCE.

- **Caution:** Installation must be performed by a licensed electrician and all wiring must conform to local, state and national electrical codes
- LED driver: 24VDC, Class 2, configured in a listed system of components
- Mount remote driver(s) in a NEMA rated enclosure
- Systems may be used in a wet location with a suitably rated enclosure and connections
- All electrical components must be grounded and Wagner Architectural Systems recommends connection to a GFCI circuit per local codes and/or the NEC
- This product must be installed in a manner consistent with its intended use
- For troubleshooting, installation questions and replacement component orders, contact Wagner at 888-243-6914



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downloads and instructions.

Note: Do not connect any Lumenrail fixture components directly to line voltage (120-277-347VAC) or unregulated 24VDC low-voltage supplies. **Failure will result and all warranties will be void.**

RAILING SAFETY INSTRUCTIONS

WAGNER ARCHITECTURAL SYSTEMS ARE ENGINEERED TO MEET IBC, ADA AND NFPA WHEN PROPERLY INSTALLED.

- Check and confirm all local railing code requirements
- A structural analysis may be required per local codes and is the responsibility of the customer
- Verify with the railing manufacturer that intended retrofit installations will not degrade the integrity of their railing
- **Caution:** It is highly recommended that a professional railing installer be used for any rail system, illuminated or not
- Please contact the factory for field installations at 888-243-6914, or email us at systems@mailwagner.com

LUMENLINEAR SUPPLIED PARTS



Self-Adhesive Insulator Squares



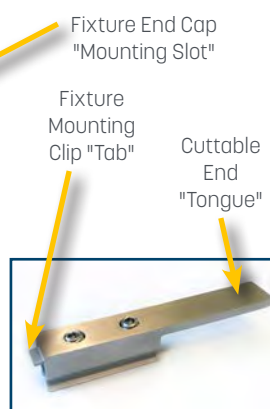
Lumenlinear Fixtures



Self-Adhesive Fixture Spacers



Wet Location Rated Wire Nuts



Tamper Resistant Mounting Clip*



Installation Kit

@wagnercompanies

*Field Cut to Length

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INSTALLATION

TO REDUCE RISK OF ELECTRIC SHOCK, TURN OFF THE ELECTRICAL SUPPLY BEFORE INSTALLING OR SERVICING THE LIGHT FIXTURES:

- Run 24VDC positive (+) and negative (-) conductors (by others) down the handrail to the first fixture. Refer to the conductor gauge/distance chart at the bottom of this sheet.
- Remove adhesive backing from the fixture spacers and place them flush with one edge, on back of fixture housing. Place one spacer every 10-12" along the length for 1.5" and 1.66" diameter slot rail. Allowing by-pass conductors to run along the opposite side. When installing 1.90" diameter slot rail, a stack of (3) spacers is required at each location. 12"-24" fixtures will only require one spacer (or stack), centered on its length.
- Press the fixture into the slot rail at the specified location, center fixture with equal spacing on both ends. Measure the distance from the end cap of the fixture to the edge of the wall or post rail mounting bracket.
- Trim conductors to the shortest working length.
- Using the provided wire nuts, or a similarly rated connector, attach the positive (+) 24VDC lead to the positive (+) red stripe lead from the fixture. Connect the negative (-) 24 VDC lead to the negative (-) white lead from the fixture. Ensure that the polarity of the conductors is maintained throughout the installation.
- After system is tested, tuck wires and connectors into slot rail.
- Remeasure gap (step #3) for cut length. Using a portable band saw, or similar cold cutting device, cut the mounting clip tongue square, to the measured gap length (step #3). Deburr cut edges.
- When trimming the cast clip to length, use minimum clamping force to secure the part. Position jaws below finished surface flange.
- Remove the adhesive backing from the insulator squares and place three side-by-side on the legs of each of the clips, across the gap. This prevents the conductors from being damaged by the mounting screws.
- Lower the fixture enough to engage the fixture mounting tab on the clip into the endcap mounting slot. Flush the fixture mounting clip tongue with the wall or post rail mounting bracket. Use even pressure as you push the clip and fixture back into the slot rail. Tuck the connectors under the tongue and make sure the conductors are not pinched as you press the fixture and mounting clip back up into the slot rail.
- Tighten the fixture mounting clips using a 3/16" tamper resistant Allen wrench. Do not fully tighten until the fixture mounting clips are installed on both ends of the fixture. Repeat this process on the remaining fixtures. Ensure the polarity is maintained throughout.



Lumenlinear: Quantity, Distance & Conductor Specification Example					
WIRE GAUGE	18 AWG	16 AWG	14 AWG	12 AWG	10 AWG
REMOTE DISTANCE TO FIRST FIXTURE	18'	29'	46'	71'	120'

SUITABLE VALUES FOR 100W, 24VDC @500mA DRIVE CURRENT.
Actual distances will vary depending on the total load, drive current, wire gauge and fixture spacing. Verify all distance calculations with overall design of system. Conductor supply and gauge specification by others.

If additional Security Clips are required, due to cutting errors, order a 4 pack of Field Service parts with # LULSFS75PK.

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Maintenance and Replacement Summary LULSTP75

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TO REDUCE RISK OF ELECTRIC SHOCK, TURN OFF THE ELECTRICAL SUPPLY BEFORE INSTALLING OR SERVICING THE LIGHT FIXTURES:

1. Using the supplied pinned 3/16ths allen security bit, loosen both set screws to release the mounting clip from each end.
2. Pull the clips out of the slot by rotating them from the end away from the fixture.
3. Once the mounting clips are removed locate the connectors and disconnect the power feed from the fixture leads at both ends.
4. Using a replacement fixture, follow the directions on page 2 of these instructions to reassemble the system.
5. When reinstalling, be sure to maintain the correct polarity of the conductors.
6. For asymmetric products be sure to orient the output in the correct direction.

For trouble-shooting, installation questions and replacement component orders, contact Wagner Architectural Systems

