

# INSTALLATION INSTRUCTIONS

## LUMENPOST™

Wagner's Lumenpost integral in-post power supply option is to be wired after the rail installation is complete.

Lumenpost is supplied with a UL listed wet location 100W Class 2 LED 120/277V - 24VDC driver and is an ETL listed enclosure. Contact Wagner Architectural Systems with any questions at 888-243-6914 or email us: [systems@mailwagner.com](mailto:systems@mailwagner.com).



SCAN QR CODE for technical information, downloads, instructions, and system configuration guides

LUMENPOST™  
ANOTHER  
LUMENRAIL®  
COMPONENT  
FOR LIFE SAFETY  
AND LIGHT.

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**WARNING:** TO REDUCE RISK OF ELECTRIC SHOCK, TURN OFF THE ELECTRICAL SUPPLY BEFORE INSTALLING OR SERVICING THE LIGHT FIXTURES AND DRIVER. 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 connected to GFCI per local codes and/or the NEC
- This product must be installed in a manner consistent with its intended use
- For trouble-shooting, installation questions and replacement component orders, contact Wagner at 888-243-6914

### 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: 888-243-6914 or email us: [systems@mailwagner.com](mailto:systems@mailwagner.com)

### LUMENPOST SUPPLIED PARTS:



### LUMENPOST TYPICAL LOCATION DETAIL:



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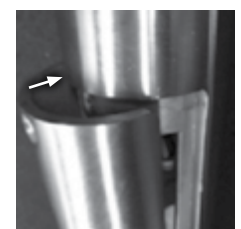
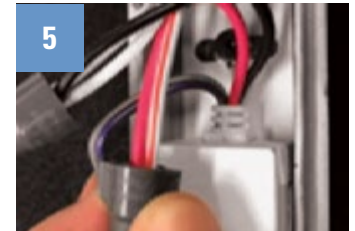
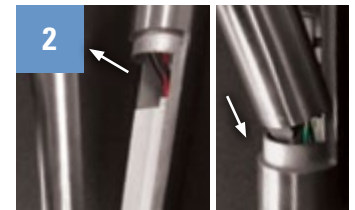
### INSTALLATION

**TO REDUCE RISK OF ELECTRIC SHOCK, TURN OFF THE ELECTRICAL SUPPLY BEFORE INSTALLING OR SERVICING THE LUMENPOST:** The Lumenpost cast 316 stainless steel driver enclosure is welded into pre-determined locations along the rail length in the support posts. The number of Lumenpost drivers and their locations are specified to address the system requirements of each particular project. Complete integrated post assemblies may occur in level, mid-point rail locations, but are primarily designed into the end-post of a rail section.

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- Using the #8-32 security driver, remove the screw from the cast door of the Lumenpost enclosure.
- Pull the door forward at the top, then lift the door upwards to remove.
- Run necessary wires into the enclosure. These include 120V or 277V line voltage leads, 0-10V dimming control leads, and secondary leads for powering luminaires.
- At the top of the post, using wire nuts or similar connectors, make the connections between the low voltage supply wires and the input wires of the luminaire. Ensure that the correct polarity is maintained: positive to positive, negative to negative.
- Carefully push the connections up inside the top of the Lumenpost enclosure after they are secure.
- & 7. If dimming is not required, cap the purple and gray wires and push them up inside the top of the cast enclosure. If dimming is required, run the purple and gray leads up from the conduit and route the wires next to the driver, inside of the enclosure. Make the connection to the 0-10V control wires at the top of the enclosure.
- Make the line voltage connections at the bottom of the enclosure. Ensure that the correct polarity wires are connected to each other: incoming line to load and neutral to neutral. Connect the ground from the driver, the grounding screw, and the supply lines.
- Whenever possible, orient the wire nuts to shield the live connection from errant moisture.
- Taking care not to pinch any wires, align the edges of the cast cover with the Lumenpost cast enclosure body. Slide the cover back in place.
- Using the #8-32 security driver and screw, fasten the cover to the Lumenpost enclosure until the edges are flush.



MAXIMUM REMOTE DISTANCE - 100W / 24VDC DRIVER					
Fixture Type	10AWG	12AWG	14AWG	16AWG	18AWG
Lumenlinear™	120'	71'	46'	29'	18'
Lumenpod®				134'	80'
Bantam™				152'	98'

Actual distances may vary depending on the total load, DC/DC current and fixture spacing. Verify all distance calculations with overall design of system. Conductor supply and project gauge specification by others.