

LUMENPOD® 30

Installation Instructions

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 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 trouble-shooting, installation questions and replacement component orders, contact Wagner at 888-243-6914



SCAN QR CODE
for technical information,
downloads and instructions.

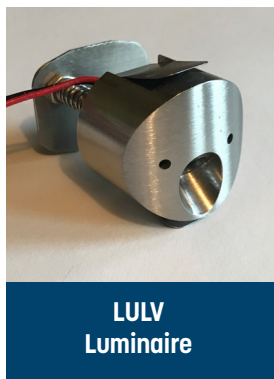
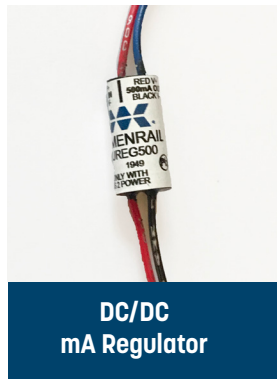
Note: Lumenpod® 30 is a 24VDC, low-voltage luminaire. Do not connect Lumenpods® directly to line voltage (120-277-347VAC) or unregulated 24VDC low-voltage supplies. **Failure will result and all warranties will be void.**

RAILING SAFETY INSTRUCTIONS

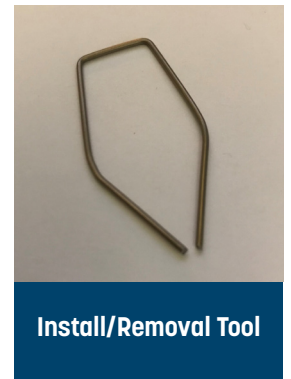
WAGNER ARCHITECTURAL SYSTEMS ARE ENGINEERED TO MEET IBC, ADA AND NFPA WHEN PROPERLY INSTALLED.

- 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: 888-243-6914 or email us: systems@mailwagner.com

LUMENPOD® 30 SUPPLIED PARTS



LULV TOOL



Scan QR Code
for information about
Poke-Home connectors.



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LULV INST R3

LUMENPOD® 30

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Carefully pull wire-form tool from spring assembly and remove protective vinyl cap from fixture body.

INSTALLATION

TO REDUCE RISK OF ELECTRIC SHOCK, TURN OFF THE ELECTRICAL SUPPLY BEFORE INSTALLING OR SERVICING THE LIGHT FIXTURES: For retrofit applications and field drilling for Lumenpod® 30 installations, resealing the protective coating on railings that are not inherently corrosion resistant is required. Paint, cold galvanizing, or an equivalent material must be used to seal the bare metal surfaces prior to fixture installation.

1. If not factory supplied, ensure all Lumenpod 30 mounting holes (1.18") are de-burred inside and out. Removal of all sharp edges is necessary to protect conductors that pass through the openings.
2. Install 24VDC positive (+) and negative (-) wires (by others) down the length of the handrail into posts. Refer to the remote distance chart for wire gauge recommendations.
3. Carefully pull a loop of the 24VDC main wires out of each Lumenpod mounting hole. Cut the wires at the center of each loop and strip insulation ends back 1/8".
4. Install the Poke-Home Junction Box connectors (red) to both ends of the 24VDC main wires and the DC regulator input. Ensure that the polarity of conductors from the regulator connect to the correct polarity of the main 24VDC wires.
5. Install a Poke-Home Thru-Wire connector (white) to both output wires, positive (+) and negative (-) on the DC/DC regulator. Connect the corresponding polarity leads from the Lumenpod on the other end.
6. Carefully feed wires, Poke-Home connectors, and DC regulator through the mounting hole, into the railing.
- 7.A&B After making electrical connections, hold the main body of Lumenpod 30 in one hand and insert the Installation/Extraction tool into the contoured face holes. Allow the Lumenpod spring assembly to move freely—do not hold by the flat springs. Push until the springs are fully compressed and the tool is engaged - retaining the spring assembly. Do not allow the mechanism to retract.
8. Insert the assembly into post mounting hole with a joggle fit. Ensure wires, connectors and components are clear of body.
9. Finish seating the Lumenpod 30 fixture until the face is flush with the post and use the tool to adjust for correct alignment.
10. When complete, hold the Lumenpod in place with your thumb and extract the tool while keeping a gentle pressure on the pod. Repeat the process for additional fixtures.
11. Reverse the process for extraction. Ensure the tool is fully engaged before removal. Gently pull the fixture out with a slight rotation, taking care not to snag the flat springs on the mounting hole edges.
12. Leave the tool and these instructions with the facility for maintenance.



LUMENPOD® 30: QUANTITY, DISTANCE & CONDUCTOR SAMPLE				
Wire Gauge	16 AWG	14 AWG	12 AWG	10 AWG
Distance To First Lumenpod	20'	45'	70'	95'

Suitable values for 500mA drive current With 7' intermediate conductors:
 36 Lumenpods on post spacing using our 100W std. driver
 20 Lumenpods on post spacing using our 100W USA driver

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.



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