

## Model 121ALED

Vitalite® LED Rotating Light

25500635 Rev A2 1123

**Limited Warranty:** This product's limited warranty can be found at [www.fedsig.com/SSG-Warranty](http://www.fedsig.com/SSG-Warranty)

### SAFETY MESSAGES TO INSTALLERS AND USERS

Products should be installed by a licensed electrician and follow all safety instructions. Failure to do so may result in property damage, serious injury, or death.

- Read and understand instructions before installing or operating equipment.
- To avoid electrical shock hazards, do not connect wires when power is applied.
- To be an effective warning device, this product produces bright light that could be hazardous to eyesight. The possibility exists that rapid flashing lights could induce photosensitive epilepsy. Do not stare directly at the light.

**OVERVIEW** - The model 121ALED rotating LED warning light is designed for mounting on a flat (horizontal or vertical) surface or on a 1/2" NPT threaded pipe. The unit is available in 24 VDC.

## Certifications and Ratings

- UL and cUL Listed
- Type 4X, IP66 enclosure. Indoor/Outdoor Use
- IP69K Compliant
- Model 121ALED is NSF Certified (dome-up) for Splash Zones and Non-food Zones to NSF/ANSI 2: Food Equipment
- Electrical ratings: 024VDC, 0.3A
- Certified operating temperature: -40°F to 150°F (-40°C to 66°C)

## Installation

**Unpacking the Device:** After unpacking the device, examine it for damage and verify the parts. If a part is missing or damaged, do not attempt to install it; contact Federal Signal Customer Support.

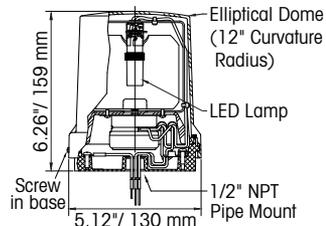
### Mounting the Device

The unit comes standard to mount on a flat (horizontal or vertical) surface or a 1/2" NPT pipe. Wall or corner mounting accessories are sold separately.



**Pipe Mounting:** On a 1/2" NPT Pipe, feed the wires through the pipe and turn clockwise to tighten. The recommended tightening torque is 5-ft-lb (6.8 N-m).

**Figure 1 Pipe Mounting**



**Surface/Panel Mounting:** Using the provided gasket as a template, mark three mounting holes and a center hole for wiring. Drill or punch 3/16" (4.8 mm) diameter holes for mounting and a 1" (25.4 mm) hole for wiring. Set the base on the gasket, feed the wires through the center, and attach the unit to the mounting surface using the provided #8 tapping screws from the underside.

**Wall/Corner Mounting:** Wall (Model LSWB) and corner (Model LCMB2) brackets are sold separately. Mounting bracket accessories are not NSF Certified.

**NOTE:** Model LCMB2 is Type 3R rated. If installing in combination with a 4X device, the unit is Type 3R rated. When Type 4X is required, pair with Model LSWB.

**Figure 2 Wall/Corner Mounting**



### WARNING

**WARNING -SHOCK HAZARD:** To avoid electrical shock, do not connect wires when circuits are energized. Use 18 AWG field wiring or larger.

**24VDC Models:** Connect the positive (+) power source lead to the red wire and connect the negative (-) power source lead to the black wire.

## Testing and Operating

After installation, test the system to verify that each signal operates, and establish a program for periodic testing of the device. Provide copy of these instructions to all operating personnel.

## Replacing the LED Lamp

### **⚠ WARNING**

**SHOCK HAZARD – To avoid electric shock, disconnect the power and allow the lamp to cool.**

To replace the lamp:

1. Remove the set screw located at the bottom of the dome.
2. Grasp the top of the dome and push it down while turning the dome counterclockwise.
3. Remove the dome and ensure that the gasket between the dome and base is secured.
4. Grasp the lamp near the base and gently push toward the socket while turning counterclockwise.
5. Insert the new lamp while gently pushing it toward the socket and turning clockwise.
6. Before replacing the dome, ensure that the gasket is properly seated on the housing base.
7. Place the dome over the base and align the recesses inside the dome lip with the four pins on the base. Push down on the dome and turn clockwise until it locks in place (approximately 3/4").
8. Replace the set screw on the bottom of the dome.
9. Test the light for proper operation.

## Maintenance and Service

**Technical Assistance:** Contact our Technical Support Team at +1 708-587-3587 or [signalsupport@fedsig.com](mailto:signalsupport@fedsig.com).

**Repair Service:** A return authorization is required. Contact your Authorized Distributor or Federal Signal Customer Support. Defective products under warranty will be repaired or replaced at Federal Signal's discretion.

**Product Returns:** Returns require authorization from Federal Signal. Contact your Authorized Distributor for more information on our return policy or to request a return.

## Ordering Replacement Parts

Consult the product datasheet online for an updated list of replacement parts. If your product requires a part that is not available for purchase, your unit must be repaired or replaced.



**FEDERAL SIGNAL**  
Safety and Security Systems

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Additional translations available at [signaling.fedsig.com](http://signaling.fedsig.com)

Traducciones adicionales disponibles en [signaling.fedsig.com](http://signaling.fedsig.com)

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