

## Model LP3M

StreamLine® Strobe Light

2561531 Rev C2 0723

**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

It is important to follow all instructions shipped with this product. This device is to be installed by a trained electrician who is thoroughly familiar with the National Electrical Code/Canadian Electrical Code and will follow the NEC/CEC Guidelines as well as local codes.

The selection of the mounting location for the device, its controls and the routing of the wiring is to be accomplished under the direction of the facilities engineer and the safety engineer. Listed below are some other important safety instructions and precautions you should follow:

- Read and understand all instructions before installing or operating this equipment.
- Disconnect light from the power supply before any installation or maintenance is performed.
- After installation, test the light system to ensure that it is operating properly.
- After testing is complete, provide a copy of this instruction sheet to all operating personnel.
- Establish a procedure to routinely check the light installation for integrity and proper operation.
- The product nameplate, which may contain cautionary or other information of importance to maintenance personnel, should not be obscured in any way

**Table 1 Specifications**

Operating Voltage	12-48 Vdc	120 Vac 50/60 Hz	230-240 Vac 50/60 Hz
Operating Current	0.44-0.10 A	0.10 A	0.07 A
Energy Output	2.0 Joules	2.0 Joules	2.0 Joules
Flash Rate	65-95 FPM	65-95 FPM	65-95 FPM
Operating Temperature	-31°F to 150°F (-35°C to 66°C)		
Approvals	UL, cUL, CE		
Environmental Ratings	Indoor/Outdoor Use, Type 4X, IP66. IP69K Compliant.		



**Unpacking the Device:** After unpacking the light, examine it for damage that may have occurred in transit. If the light has been damaged, do not attempt to install or operate it. File a claim immediately with the carrier, stating the extent of the damage. Carefully check all envelopes, shipping labels, and tags before removing or discarding them. If any parts are missing, please call Federal Signal Customer Support at +1 708-534-4756 or +1 877-289-3246.

## Installing the Device

Model LP3M lights are designed for mounting on a flat surface or in a 1/2" NPT hub.

### Hub Mounting

1. Locate the gasket on the mounting surface and align the light with the hub opening.
2. Thread the light into the hub by turning clockwise.
3. Refer to the next section for information on making electrical connections.

### Panel Mounting

1. Drill or punch a 7/8" (22.2 mm) diameter hole in the mounting surface.
2. Locate the gasket on the mounting surface and set the light on top of the gasket. Tighten the supplied locknut to secure the light.
3. Refer to the next section for information on making electrical connections.

## Electrical Connections

The Model LP3M is supplied with two color-coded, 18-inch 18 AWG lead wires for customer connection.

### **WARNING**

**ELECTROCUTION HAZARD – To avoid electrical shock, do not connect wires when the circuits are energized.**

**12-48 VDC Models** – Connect the power source positive (+) lead to the red wire and connect the power source negative (-) lead to the black wire.

After connections are made, energize the supply circuit and test the strobe light for proper operation.



**120 or 240 VAC 50/60 Hz Models** – Connect the line (L or L1) power source lead to the black wire and connect the neutral (N or L2) power source lead to the white wire. Ground connection is not required.

After connections are made, energize the supply circuit and test the strobe light for proper operation.

Strobe Tube Replacement

After extended operation, occasionally check for flash tube degradation. Should the flash tube misfire, have a noticeable decrease in light output, glow continuously, or darken, replacement is necessary.



**ELECTROCUTION HAZARD – High voltages are present inside the light assembly. Wait at least 5 minutes after shutting off power before servicing this unit.**

To replace the strobe tube:

- 1. Disconnect the power from the supply circuit and wait five minutes before opening the unit to allow all capacitors to discharge.
- 2. Loosen the locking screw on the lens and remove the lens from the housing by turning counterclockwise.
- 3. Carefully remove the old strobe tube by grasping the connector and lifting upward.
- 4. Replace the lamp with Federal Signal part number K149130A. Install the new strobe tube by fully seating it into the receptacle on the printed circuit board.
- 5. Attach the lens to the housing by turning clockwise until seated.
- 6. Tighten the locking screw on the lens to secure.

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.

Accessories and Replacement Parts

Due to certification, certain component parts are not available for field replacement. Units with this type of damage must be either replaced entirely or returned to Federal Signal for service. To order accessories and replacement parts, call Federal Signal Customer Support at 708-534-4756 or 877-289-3246.

Table 2 Replacement Parts

Description	Part Number
Strobe tube	K149130A
Lens, Amber	K8589063A
Lens, Blue	K8589063A-01
Lens, Clear	K8589063A-02
Lens, Green	K8589063A-03
Lens, Red	K8589063A-04
Gasket Kit	K8589013A

Certification Information

UL, cUL, and CSA



**Not to be used as a visual public mode alarm notification appliance.**

CE



**Do not use as a Visual Fire Alarm Device.**

Failure to follow all safety precautions and instructions may result in property damage, serious injury, or death.

When installing this product on machines as an Indicator or Flashing Light, please note the following:

- Indicator lights shall be selected and installed in such a manner as to be visible from the normal position of the operator.
- Circuits used for visual devices that are used to warn persons of an impending hazardous event shall be fitted with facilities to check the operability of these devices.
- For further distinction or information, and especially to give additional emphasis, flashing lights can be provided to attract attention, request immediate action, indicate a discrepancy between the machine state, and indicate a change in the machine process.
- It is recommended that higher flashing frequencies be used for higher priority information. See the Specifications section for flash rate.



- When flashing lights are used to provide higher priority information, additional acoustic warnings should be considered.
- Visual indicators shall be clearly and durably marked regarding their functions, either on or adjacent to the device.
- Indicator lights should be color-coded with respect to the condition (status) of the machine according to Table 3.

**Table 3 Color Coding**

Color	Meaning	Explanation	Action by Operator
Red	Emergency	Hazardous condition	Immediate action to deal with a hazardous condition (e.g., switching off the machine supply, being alert to the hazardous condition, and steering clear of the machine).
Yellow	Abnormal	Abnormal condition impending critical condition	Monitoring and/or intervention (e.g., by reestablishing the intended function).
Blue	Mandatory	Indication of a condition that requires operator action	Mandatory action
Green	Normal	Normal condition	Optional
White	Neutral	Other conditions. May be used when doubt exists about the application of other colors.	Monitoring





**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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