

# Installation Instructions



## 8891070/8891071 LED Mini Lightbar

### Specifications:

**Size:** 15" L x 9" W x 3" H

**Current Draw:** 3.0 A Max

**Power consumption:** 36w Max

**Weight:** 5.0 lbs. - 8891070

4.7 lbs. - 8891071

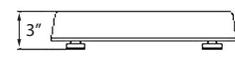
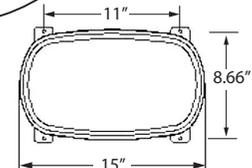
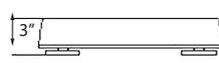
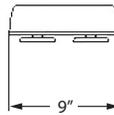
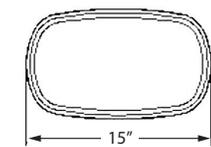
**Flash Rate:** See Pattern Chart

**Lumens:** 600LM

**Input Voltage:** 10 to 30 VDC

**Temp. Range:** -20°C to 50°C

**Light Source:** 32pcs SMD amber LED



8891070 Magnetic Mount

8891071 Permanent Mount

### **WARNING**

**Failure to install or use this product according to manufacturer's recommendations may result in property damage, serious bodily/personal injury, and/or death.**

*Do not install and/or operate this safety product unless you have read and understand the safety information contained in manual.*

1. Proper installation combined with operator training in the use, care, and maintenance of emergency warning devices are essential to ensure safe operation.
2. Exercise caution when working with live electrical connections.
3. Proper placement and installation are vital to the performance of this warning device. Install this product so the controls are placed within convenient reach of the operator to prevent losing eye contact with the roadway.

4. It is the responsibility of the vehicle operator to ensure all features of this product work correctly. During use, the vehicle operator should ensure the projection of the warning signal is not blocked by vehicle hoods, cab shields, people, vehicles, or other obstructions.
5. The use of this or any other warning device does not ensure all drivers can or will observe or react to a warning signal. Never take the right-of-way for granted.
6. This equipment is intended for use by authorized personnel only. The user is responsible for understanding and obeying all laws regarding warning signal device. Therefore, the user should check all applicable city, state, and federal laws and regulations. The manufacturer assumes no liability for any loss resulting from the use of this warning device.

## 8891070/8891071 LED Mini Lightbar

### Installation & Mounting:

**IMPORTANT!** This unit is a safety device, and it must be connected to its own separate, fused power point to assure its continued operation should any other electrical accessory fail.

#### **WARNING**

**Maximum recommended vehicle speed for safe operation using the magnet mount model is 65mph (104km/h), when fitted to the center of a vehicle roof of steel construction. Higher speed could cause the mount to fail, resulting in the mini light bar flying off of the vehicle, which could cause damage to other vehicles, and injury or death to others.**

### Magnetic Mount (8891070):

The magnetic mount 8891070 mini light bar has four magnetic feet, for a secure, temporary mount. The mini light bar should be placed in the center of roof where the least amount of curvature occurs. Before installing, make sure the mounting surface is clean and there is no debris on the bottom of the magnetic feet or on the roof of the vehicle. This could reduce the holding power of the magnets. Place and remove the mini light bar without sliding to avoid scratching the paint on the vehicle. After placement, the mini light bar should adhere firmly to the surface. If the unit slides or moves easily, a proper installation has not been obtained. To remove the unit, you should pull up one of the four magnetic feet first, and then another foot, so you can remove the unit easily. Do not attempt to attach the mini light bar to an ice or snow-covered surface.

### Permanent Mount (8891071):

**CAUTION!** When drilling into any vehicle surface, make sure the area is free from any electrical wires, fuel lines, vehicle upholstery, etc. that could be damaged.

1. Select the desired location on a flat surface for the mini light bar to be mounted. The visibility of the flash and ease of wiring access should be taken into consideration in the selection of mounting location.
2. Drill four holes using a 6mm drill size. The distance of the four holes must accord with the stands on the mini light bar, see the Figure.
3. Mount the mini light bar with four M6 screws provided.

#### **WARNING**

**Failure to follow these instructions can result in fire or injury from excessive heat buildup.**

### Connect mini lightbar to power:

1. Operator is responsible for ensuring power plug fits correctly into power outlet used.
2. Verify the power outlet circuit is rated to supply a minimum of 10 amps. Do not exceed the current rating for the power outlet recommended by vehicle manufacturer.

3. Keep plug and outlet clean and free of debris. Do not use the plug when wet. Insert plug fully into the outlet for proper connection.
4. Grasp plug, not cord, to remove from outlet.
5. Remove plug completely from outlet when light is not in use.
6. If the OEM power plug is not used, and the light bar is hard wired, this product must be properly grounded. Inadequate grounding and/or shorting of electrical connections can cause high current arcing, which can cause personal injury and/or severe vehicle damage, including fire.

### Flash pattern selection:

Flash patterns can be selected by using the momentary switch on the cigarette plug.

1. There are two switches on the power plug. The one with the indicator light is the power switch, the other is for flash pattern selection.
2. Insert the plug into the power outlet and turn on the power switch. The indicator will light and the mini light bar will flash the last pattern used. Press the switch to select 24 unique flash patterns.
3. Every time you turn off the power, the flash pattern will be recorded, so the flash pattern will be kept.

### Flash Pattern Selector

Sequence	Description
1	Syncro Flash
2	Syncro Double Flash-Hold
3	Syncro Burst-Hold, Fast
4	Syncro Burst-Hold, Med
5	Syncro Burst-Hold, Slow
6	Syncro Burst/Syncro Quad Flash
7	Syncro Flash Increasing to Syncro Burst
8	Side-to-Side Alt. Burst
9	Front-to-Back Alt. Burst
10	Side-to-Side Alt. Burst/Syncro Multi Flash
11	Front-to-Back Alt. Burst/Syncro Multi Flash
12	Rotate Std., CCW
13	Rotate Burst, CCW
14	Rotate Std., CW
15	Rotate Burst, CW
16	Wave, Back-to-Front
17	Wave, Alt. Back-to-Front/Front-to-Back
18	Diagonal Alt. Double Flash-Hold
19	Rotate Std. CCW/Syncro Multi Flash
20	Rotate Std. CCW/Rotate Std. CW
21	Side-to-Side Alt. Burst/Front-to-Back Alt. Burst
22	Rotate Std. CCW/Rotate Burst CW
23	Side-to-Side Alt. Burst/Rotate Burst CCW
24	Syncro Quint Burst/Rotate Std. CCW/Syncro Quint Burst/Rotate Std. CW