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MODEL LED200 SUN STRIP LIGHT

SAFETY SUMMARY

FRC lighting products are engineered and manufactured with safety in mind. It is critical that FRC lights are installed, maintained, and operated correctly. Read and understand all instructions before installing, performing maintenance, or operating.

All components, equipment, and installation procedures shall conform to NFPA 1901, *Standard for Automotive Fire Apparatus* and NFPA 70 *National Electrical Code*.

The following safety precautions shall be observed.

General Safety Precautions

Ensure power is off prior to connecting or disconnecting wires and plugs or performing maintenance.

Do not stare directly at LEDs when power is on.

Installation Safety Precautions

Ensure power is off prior to connecting wires or cable to the power source.

Connect the LED light to a 12 or 24 volt DC power source.

Ensure an appropriate sized circuit protection device is installed (circuit breaker or fuse).

Use a minimum of 18 AWG to connect DC lights.

FRC lights are intended for mounting to a noncombustible surface only.

Install approved rubber or plastic grommets or bushings where wires or cable pass through a surface.

Ensure all wire connectors or terminals provide a positive mechanical and electrical connection.

Electrical connections not enclosed in a box must be covered with an insulation equivalent to that on the conductors.

INSTALLATION INSTRUCTIONS

Before mounting check the identification label on the light for required voltage (12 and 24 volt lights are not interchangeable).

Install LED200 Strip Light

Note: Before drilling holes place the light in position to check for fit. Ensure that the light clears all obstructions.

1. Measure and mark the mounting hole locations and through hole (if needed) for the wiring. Refer to drawings on page 2.
2. Drill mounting holes for #8 screws and a wire feedthrough hole (if needed).
3. Secure the clips with pan head screws.

Note: Ensure that the light is mounted with the LEDs facing out (refer to drawings on page 2).

4. Rotate the tube to the desired angle and snap in place.
5. Connect the wiring.

Wiring 12 or 24 VDC

Note: 12 and 24 volt lights are not interchangeable.

Power Required: Refer to Table Page 2.

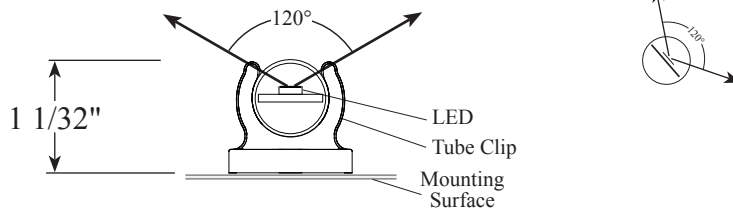
Connect the RED wire to POWER
Connect the BLACK wire to GROUND

LED200
Sun Strip Light

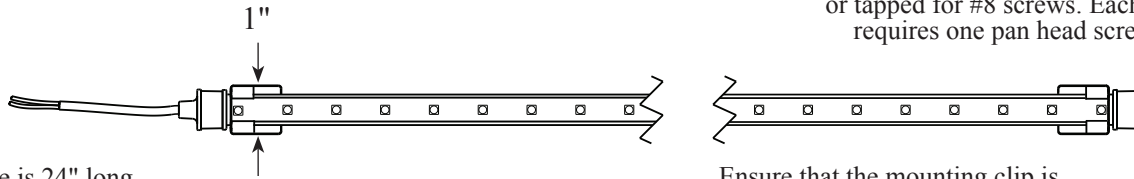


Install LED200 STRIP LIGHT

The LED light shines in a 120° arc.
The tube can be rotated to direct the light in a specific direction.



Clip mounting holes are clearance or tapped for #8 screws. Each clip requires one pan head screw.



Cable is 24" long.
Red wire to power.
Black wire to ground.

Ensure that the mounting clip is around the tube and not the end cap.

Note: 12 and 24 volt lights are not interchangeable.

Tube Length (in inches)	Recomended Number of Clips	Current at 12 VDC (in amps)
9	2	.17
18	2	.35
27	3	.52
36	3	.70
45	4	.87
54	4	1.05
63	5	1.22
Notes:	Add 2" for end cap and wire clearance. Set near to each end and equidistance along tube.	Current is less for 24 VDC light.

MAINTENANCE

Use a clean soft cloth, mild soap, and water to clean the lens.

NOTE: FRC led lampheads use Lexan lenses and cleaning with abrasive materials, solvents, or most chemical cleaners can cause lens surface degradation and reduced performance of the light. *Some chemicals will cause the lens to become brittle and prone to cracking.*