



**LIGHTING  
PRODUCTS**

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## MODEL SRA100

### 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 14 AWG to connect a SoBrite lights.

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

The SoBrite LED light is versatile in the ways it can be mounted using the standard yoke, optional factory mounts, or custom designs. The light weighs 2 1/2 pounds, ensure that the mounting surface and type of mount used is capable of handling this load.

#### Install SRA100 LED Light

Before mounting check the identification label on the light for specific voltage and current requirements. Check that the length of the wiring is correct. Ensure the SRA100 is mounted so that the lens is focusing the light in the desired direction.

**Note:** Before drilling holes place the light in position to check for fit. Ensure that the light clears all obstructions. With optional mounts, use the mount as a template to mark hole locations.

1. Measure and mark the mounting hole locations and through hole (if needed) for the wiring. Refer to drawings on page 2.
2. Drill the mounting holes and a wire feedthrough hole (if needed).
3. Mount the LED light.
4. Connect the wiring.
5. Check the direction of the light beam and adjust as necessary.

#### Wiring 12/24 VDC

Power Required Each Fixture: 5 Amps at 12 VDC.

Connect the RED wire to POWER.

Connect the BLACK wire to GROUND.



SRA100  
Shown on an optional  
CD-BS-2 square mount.

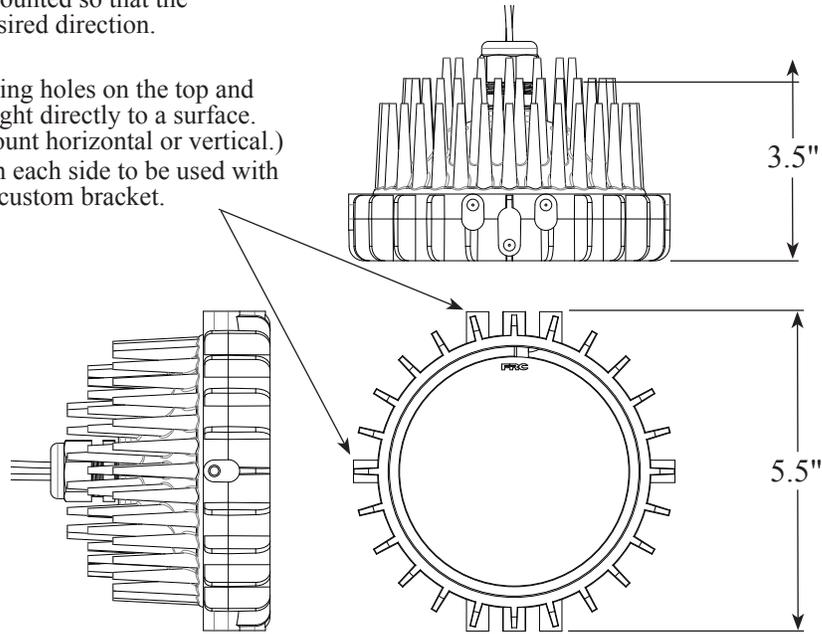


SRA100  
Shown on  
yoke mount.

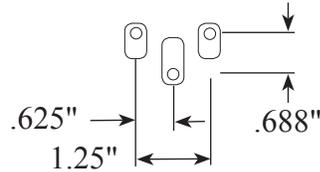
# Install SRA100 LED Light

Multiple options are available for mounting the SoBrite LED light. Ensure the fixture is mounted so that the lens is focusing the light in the desired direction.

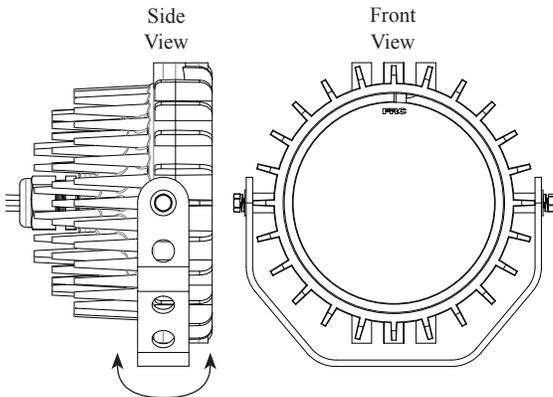
There are three mounting holes on the top and bottom to mount the light directly to a surface. (These can be used to mount horizontal or vertical.) There are single holes on each side to be used with the yoke or a custom bracket.



Mounting holes on the light are 10-24 blind tapped. It is recommended to use the three hole pattern when mounting the light directly to a surface. The single holes are used as a pair when a mounting bracket is used.

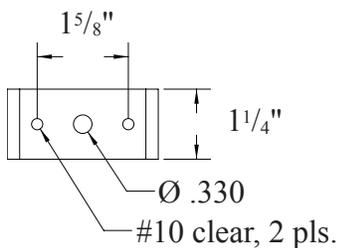


## Yoke Mount

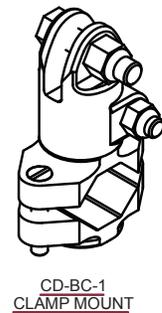


Yoke attaches to the single holes on each side and allows the light beam to be adjusted.

Drill two (2) holes for #10 mounting screws.  
or  
Drill center hole for 5/16 mounting bolt.



## Optional Factory Mounts



## 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.*