

Pedestal and Linear LED Work Lights

The following is a list of recommended practices for the installation and operation of your light.

FAILURE TO FOLLOW THESE SAFETY PRECAUTIONS AND INSTRUCTIONS COULD RESULT IN DAMAGE TO THE PRODUCT OR VEHICLE AND/OR SERIOUS INJURY AND/OR DEATH TO YOU AND YOUR PASSENGERS

- Proper installation of this product requires the installer to have a good understanding of automotive electronics, systems and procedures. You may need to consult a professional for installation.
- SWS Warning Lights Inc. recommends the use of waterproof butt splices and/or connectors for all electrical connections. It is recommended that the use of good dielectric grease be used on all connections where possible.
- If mounting this product requires drilling holes, the installer must be sure that no vehicle components or other vital parts could be damaged by the drilling process. Also de-burr the holes and remove any metal shards or remnants. Grommets are recommended for all wire holes.
- Do not mount the light close to antennae or radio equipment, as they may cause electromagnetic interference. After installation of the light, it is necessary to test all electronic equipment simultaneously to ensure that they operate free of interference from other components within the vehicle.
- Never power emergency warning equipment from the same circuit or share the same grounding circuit with radio communication equipment.
- Do not install this product or route any wires in the deployment area of your air bag or areas that interfere with the operation of the vehicle. Refer to your vehicle owner's manual for the air bag deployment area and recommended mounting areas for warning lights and other equipment.
- Do not attempt to activate or control the device with the vehicle in motion or in a hazardous driving environment. The vehicle should be stopped and in park before control of the light is attempted.
- Always be aware of the pattern and its effect on traffic when activating the Traffic Directing Device.
- Do not stare directly into these lights. Momentary blindness and/or eye damage could result.
- Use only soap and water to clean the product. Use of other chemicals could result in degradation and discolouration of the lens/dome.
- Do not use a pressure washer to clean this product.
- Inspect and operate this product regularly to confirm its proper operation and mounting condition.
- It is recommended that these instructions be stored in a safe place and referred to when performing maintenance and/or reinstallation of this product.
- SWS endeavours to maintain installation instructions for its products according to the latest requirements of vehicle manufacturers. SWS cannot guarantee, and shall not be held liable for, changes or updates a vehicle manufacturer may make which render SWS's products inoperable or otherwise.
- SWS Warning Lights Inc. and its subsidiaries are not responsible for any damages due to improperly mounted or improperly wired lighting equipment.

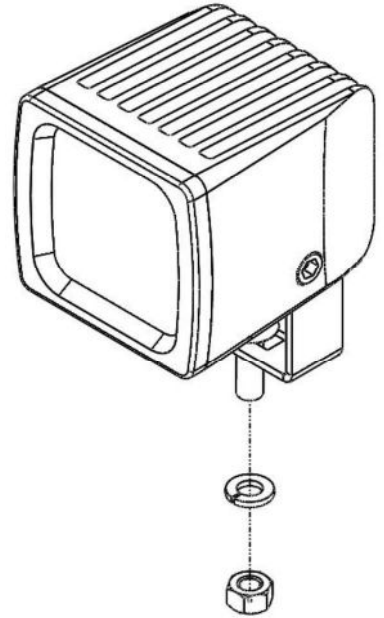
93210/93310/93400 Lights

- If you have purchased a linear floodlight, proceed to page 3 for instructions.
- The light is shipped with a blue protective cover on the front shield. This should be removed **after** installation to ensure proper operation of the light.

Mounting

Pedestal Mount

- The work-light comes with the mounting bracket pre-assembled and attached.
1. Prepare the mounting surface by predrilling a $1\frac{1}{32}$ " – $\frac{3}{8}$ " hole where the light will mount to the vehicle.
 2. Remove the nut and spring lock washer from the carriage bolt.
 3. Pass the bolt through the mounting surface.
 4. Place the spring lock washer on the bolt and secure in place with the nut.
 5. Adjust the desired horizontal position of the light, and tighten in place.
 6. Adjust the vertical position of the light and tighten the two cap screws on the side of the light to secure in place.



Wiring

- The light is supplied with two different wired connectors, a connector to wire lead and connector with inline fuse, switch and battery leads.
 - You may want to mount the light first to ensure the wires reach the lights.
 - In the event the wire lengths are not of adequate length, you may extend them using no less than 18AWG wire. Lengths should be kept to a minimum.
 - Connecting two lights to the same switch can be completed.
 - Use good quality materials and proper wiring technique when attempting this.
1. Ensure the switch is in the OFF position (the red LED side of the switch is away from the switch body).
 2. Connect the battery leads to the electrical system.
 3. Run the wire and the switch to the switch mounting position, and install the switch.
 4. Connect the pigtail from the light to the switch harness connector.

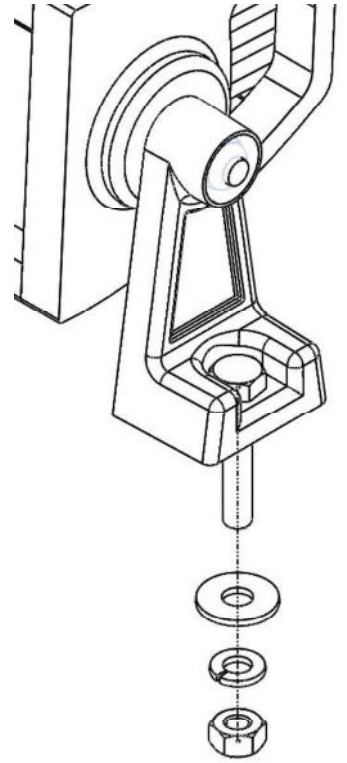
Extruded Linear Lights

- The light is shipped with a blue protective cover on the front shield. This should be removed **after** installation to ensure proper operation of the light.

Mounting

Surface Mount

1. Remove the locknut from both posts on the light. Keep the nylon spacers on the posts.
2. Place a mounting bracket on both posts. Secure the brackets with the locknuts.
3. Prepare mounting surface by drilling two $\frac{9}{32}$ " – $\frac{5}{16}$ " holes where the mounting brackets are to be installed.
4. Secure the light to the mounting surface with $\frac{1}{4}$ " hardware (not supplied).
5. Adjust the tilt of the light. When the desired setting is found tighten the locknuts on the side posts.



Wiring

- The light is supplied with a connector with inline fuse, relay, switch and battery leads harness.
 - You may want to mount the light first to ensure the wires reach the lights.
 - In the event the wire lengths are not of adequate length, you may extend them using no less than 18AWG wire. Lengths should be kept to a minimum.
1. Ensure the switch is in the OFF position (the red LED side of the switch is away from the switch body).
 2. Connect the battery leads to the electrical system.
 3. Run the wire and the switch to the switch mounting position, and install the switch.
 4. Secure the relay to a surface with a #10 screw (not supplied)
 5. Connect the pigtail from the light to the switch harness connector.
- Connecting two lights to the same switch can be completed, but each light must be supplied its own voltage source. **Do not attempt to run two linear floodlights on the same relay.**

Trouble Shooting

If your light fails to work, please follow these troubleshooting tips before calling the factory:

- Check all connections for breakage or corrosion.
- Check to see if the fuse has blown within the vehicle. If it has, replace with a fuse of the **exact same** amp rating.
- For long power wire lengths, ensure the voltage at the light connection is adequate. If not, you may have to shorten the length or increase the wire gauge.
- Ensure vehicle's battery is charged and that the charging system is functional.

CALL SWS WARNING LIGHTS INC. (1-877-357-0222) FOR FURTHER ASSISTANCE