



ICON Series ICS

LED Work Lights

25500756 A0 1121

⚠ WARNING

Messages to Installers and Users ⚠ This product should be installed to code by a licensed electrician and follow all safety instructions. Failure to do so may result in property damage, serious injury, or death.

People's lives depend on your proper installation and servicing of Federal Signal products. It is important to read and follow all instructions shipped with this product and the original product. Listed below are some other important safety instructions and precautions you should follow.

- To properly install the lighting system, you must have a good understanding of automotive systems, along with proficiency in the installation and use of safety warning equipment.
- Read all instructions thoroughly and plan all wiring and cable routing before performing any installation. Use installer-supplied grommets, wire ties, looms, and cable mounts as needed to secure the wiring and prevent the chafing of the wiring.
- Do not install equipment or route wiring in the deployment path of an airbag. Failure to observe this warning will reduce the effectiveness of the airbag or potentially dislodge the equipment, causing serious injury or death.
- If a vehicle seat is temporarily removed, verify with the vehicle manufacturer if the seat needs to be recalibrated for proper airbag deployment.
- Frequently inspect the light system to ensure that it is operating properly and that it is securely attached to the vehicle.
- When drilling into a vehicle structure, ensure that both sides of the surface are clear of anything that could be damaged.
- Refer to the instructions packed with related products for additional precautions and information.
- File these instructions in a safe place and refer to them when maintaining and/or reinstalling the product.
- Do not stare directly into the lights at a close range or permanent damage to your eyesight may occur.

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

Overview: This publication has instructions for installing the Federal Signal ICON Series Models ICS3-RND, ICS35-RND, ICS43-RND, ICS3-SQ, ICS35-SQ, and ICS43-SQ LED Work Lights. The lights have stainless steel brackets and hardware that permit horizontal and vertical adjustment.

Unpacking the Device: After unpacking the kit, inspect it for damage that may have occurred in transit. If it 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 destroying them. If you are missing any parts, contact Customer Support at 1-800-264-3578, 7 a.m. to 5 p.m., Monday through Friday (CT).

Table 1 Mounting Kit Contents

Round Models			Square Models		
Model	Description	Qty.	Model	Description	Qty.
ICS3-RND	Mounting Bracket, SM	1	ICS3-SQ	Mounting Bracket, SM	1
	Hex Bolt, M8-1.25, 20 mm long	1		Hex Bolt, M8-1.25, 20 mm long	1
	Nylon Locknut, M8-1.25	1		Nylon Locknut, M8-1.25	1
	Hex Bolt, M6-1, 40 mm long	1		Hex Bolt, M6-1, 40 mm long	1
	Nylon Locknut, M6-1	1		Nylon Locknut, M6-1	1
ICS35-RND	Mounting Bracket, MD	1	ICS35-SQ	Mounting Bracket, MD	1
	Hex Bolt, M8-1.25, 20 mm long	1		Hex Bolt, M8-1.25, 20 mm long	1
	Nylon Locknut, M8-1.25	1		Nylon Locknut, M8-1.25	1
	Hex Bolt, M6-1, 50 mm long	1		Hex Bolt, M6-1, 50 mm long	1
	Nylon Locknut, M6-1	1		Nylon Locknut, M6-1	1
ICS43-RND	Mounting Bracket, LG	1	ICS43-SQ	Mounting Bracket, LG	1
	Hex Bolt, M10-1.5, 25 mm long	1		Hex Bolt, M10-1.5, 25 mm long	1
	Nylon Locknut, M10-1.5	1		Nylon Locknut, M10-1.5	1
	Hex Bolt, M8-1.25, 65 mm long	1		Hex Bolt, M8-1.25, 65 mm long	1
	Nylon Locknut, M8-1.25	1		Nylon Locknut, M8-1.25	1

Installing the Work Light

⚠ WARNING

AIRBAG DEPLOYMENT: Do not install equipment or route wiring in the deployment path of an airbag. Failure to observe this warning will reduce the effectiveness of the airbag or potentially dislodge the equipment, causing serious injury or death.

To install the work light:

1. Determine the mounting location for the light and the installer-supplied control switch.

NOTICE

DRILLING PRECAUTIONS: Before drilling holes, check the area you are drilling into to be sure you do not damage vehicle components while drilling. All drilled holes should be de-burred, and all sharp edges should be smoothed. All wire routings going through drilled holes should be protected by a grommet or convolute/split loom tubing.

2. Drill a hole at the mounting location for the mounting bolt. Use the supplied locknut to secure the bracket to the vehicle as shown in the illustration. For the Models ICS3-RND, ICS35-RND, ICS3-SQ, and ICS35-SQ, drill an 8-millimeter (5/16-inch) hole. For the Models ICS43-RND and ICS43-SQ, drill a 10-millimeter (13/32-inch) hole.

Figure 1 Exploded View of Round (RND) Work Light

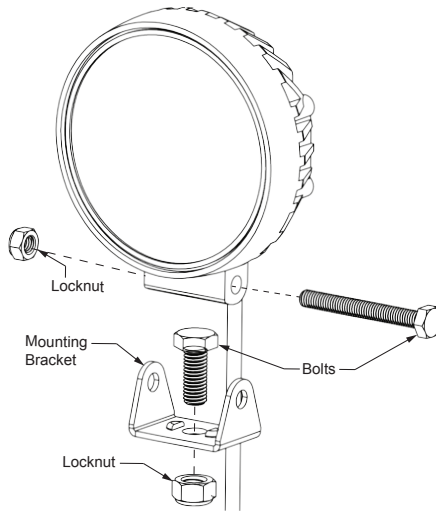
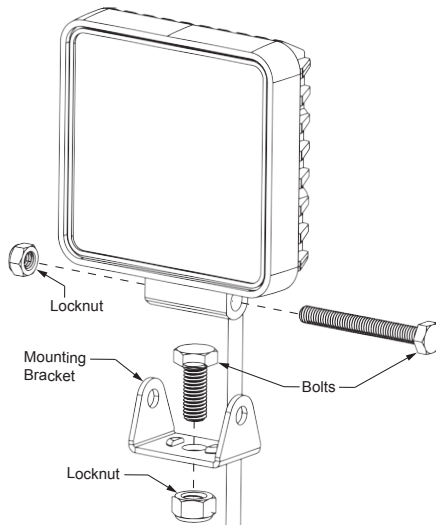


Figure 2 Exploded View of Square (SQ) Work Light



3. Route an 18 AWG wire from the power source to the location of the control switch. Install a user-supplied fuse and fuseholder as close as possible to the power source. The Models ICS3-RND, ICS35-RND, ICS3-SQ, and ICS35-SQ require a 2 A fuse. The Models ICS43-RND and ICS43-SQ require a 3 A fuse.
4. Route an 18 AWG wire from the switch to the location of the work light.
5. Route an 18 AWG wire from the installation area of the work light to the nearest convenient chassis ground. The battery is recommended.

6. The wire functions of the work light are as follows:
 - Red: Power (+)
 - Black: Ground (-)
7. Check the wiring and test the work light for proper operation.

Getting Technical Support

For technical support, please contact:

Federal Signal Corporation
Service Department
Phone: 1-800-433-9132
Fax: 1-800-343-9706
Email: empserviceinfo@fedsig.com

Getting Repair Service

The Federal Signal factory provides technical assistance with any problems that cannot be handled locally. Any product returned to Federal Signal for service, inspection, or repair must be accompanied by a Return Material Authorization (RMA). Obtain an RMA from a local Distributor or Manufacturer's Representative. Provide a brief explanation of the service requested or the nature of the malfunction.

Address all communications and shipments to the following:

Federal Signal Corporation
Service Department
2645 Federal Signal Dr.
University Park, IL 60484-3167

Ordering Replacement Parts

To order replacement parts, call Customer Support at 1-800-264-3578, 7 a.m. to 5 p.m., Monday through Friday (CT), or contact your nearest distributor.



FEDERAL SIGNAL
Safety and Security Systems

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Customer Support

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Technical Support: 800-433-9132 • +1 708 534-3400

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