



# Installation and Operation Instructions EW2440 & EW2441 LED WORKLAMPS

ECCO's EW2440 and EW2441 LED Worklamps feature an aluminum heatsink housing, tough polycarbonate lens and six 3-watt LEDs that produce a high-intensity beam. These extremely compact lights offer all the benefits of LED technology including the brightest white light output, a long maintenance-free service life and extremely low current consumption.



**IMPORTANT!** Read all instructions before installing and using. Installer: This manual must be delivered to the end user.



## **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 to you and those you are seeking to protect!**



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

1. Proper installation combined with operator training in the installation, use, care and maintenance of vehicle equipment accessories is essential to ensure the safety of you and those you are trying to protect.
2. Exercise caution when working with live electrical connections.
3. 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.
4. Proper placement and installation are vital to the performance of this worklamp. Install this product so that output performance of the system is maximized and the controls are placed within convenient reach of the operator so that s/he can operate the system without losing eye contact with the work area.
5. It is the responsibility of the vehicle operator to ensure during use that all features of this product work correctly. In use, the vehicle operator should ensure the projection of the beam is not blocked by vehicle components (i.e., open trunks or compartment doors), people, vehicles, or other obstructions.
6. The manufacturer assumes no liability for any loss resulting from the use of this device.

**NOTE:** Black die cast Aluminum housing gets very hot to the touch after operating constantly for several hours.

## **Specifications:**

Voltage:	EW2440:	12-24 VDC
	EW2441:	12-24 VDC
Current:	EW2440:	0.76A @ 12.8VDC
	EW2441:	0.38A @ 12.8VDC
Weight:	EW2440:	0.8 lbs.
	EW2441:	0.8 lbs.
Lumens:	EW2440:	1140
	EW2441:	1140

## **Installation:**

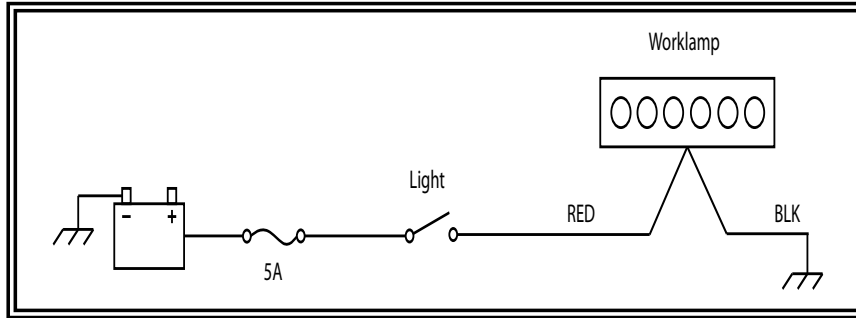
1. Set the unit face side down on a flat surface.
2. Insert the M8 x 24mm hex head bolt through the slot of the bracket, ensuring that the hex head is captured between the louvers of the bracket.
3. Place the mounting bracket around the back of the unit, aligning the bracket holes with the mounting holes in the unit.
4. Place one M5 lock nut in one of the spaces provided, making sure that the threads are facing the hole.
5. Insert the M5 x 13.5mm socket head cap screw through both the bracket and unit holes on one side.
6. Using the 4mm hex key provided, thread the cap screw into the lock nut. You may need to use a flathead screwdriver to hold the lock nut in place and prevent it from turning while threading. Do not completely tighten the assembly at this time.
7. Repeat steps 3-5 with the second lock nut and cap screw.
8. Select the mounting location for the unit. If necessary, drill a 9mm through hole in the mounting surface.
9. Align the unit with the mounting location, and insert the M8 hex head bolt through the hole. Secure the unit with the M8 lock washer and M8 nut on the back side of the mounting location. (continued on next page)

10. Position the unit in the horizontal direction, and tighten the M8 nut with a wrench.
11. Position the unit in the vertical direction, and tighten the M5 screws with the 4mm hex key.

### Wiring Instructions:

Black Wire: Ground  
 Red Wire: Connect to fused power

See wiring diagram for further instruction



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