



Installation and Operation Instructions EW2310 & EW2311 LED WORKLAMPS

ECCO's EW2310 and EW2311 LED Worklamps feature nine 10-watt LEDs that produce an extremely high-intensity beam as well as an aluminum heatsink housing, heavy-duty stainless steel mounting bracket and tough polycarbonate lens to withstand the most demanding applications. These highly durable worklamps are designed to perform in the harshest of work environments and 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:	EW2310:	12-24 VDC
	EW2311:	12-24 VDC
Current:	EW2310:	5.3 Amps @ 12.8VDC
	EW2311:	5.2 Amps @ 12.8VDC
Weight:	EW2310:	4.7 lbs.
	EW2311:	4.7 lbs.
Lumens:	EW2310:	5100(Raw), 3600(Effective)
	EW2311:	4950(Raw), 3600(Effective)

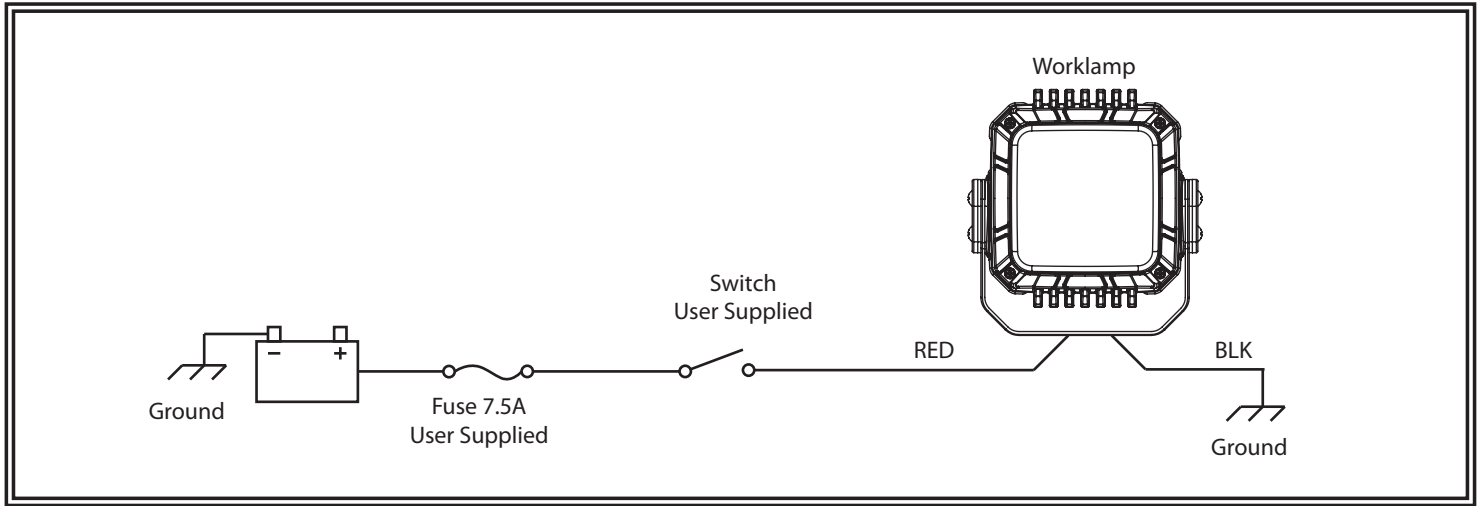
Installation:

1. Select a mounting location for the unit on a flat surface. Place the unit bracket, flat side down, on the surface.
2. Use the two circular slots in the bracket to mark the drill locations for mounting. Drill two 0.397 diameter through holes (X drill bit) through the mounting surface. Align the base with the mounting holes, and use 3/8"-16 hardware (include bolts, flat washers, lock washers, and nuts) to mount the bracket to the surface. Position the unit in the horizontal direction, and tighten both nuts.
3. To position the unit vertically, use a 5/32" hex L-key to loosen the two screws on each side of the bracket. Tighten the screws when pivoted properly.

Wiring Instructions:

Black Wire: Ground
Red Wire: Connect to fused power

See wiring diagram for further instruction



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