



# ECCO®

## 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)

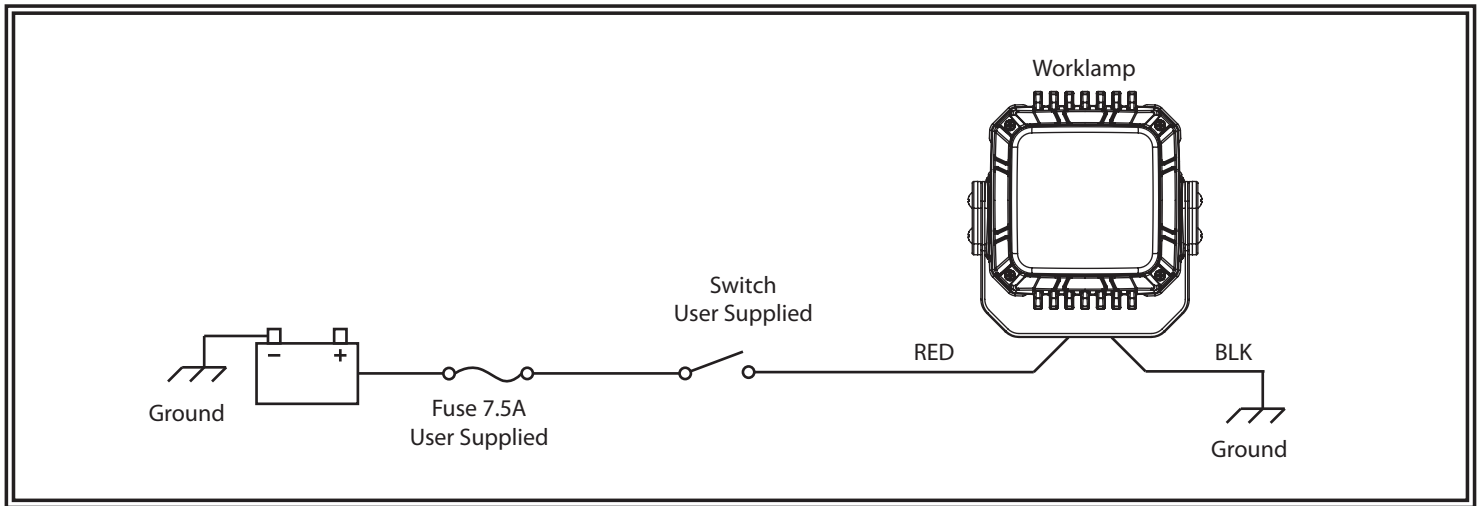
### Installation:

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



### Manufacturer Limited Warranty and Limitation of Liability:

Manufacturer warrants that on the date of purchase this product will conform to Manufacturer's specifications for this product (which are available from the Manufacturer upon request), and Manufacturer further warrants that this product is free from defects in materials and workmanship. This Limited Warranty extends for 36 months from the date of purchase. Other warranties may apply, call Manufacturer for details. Manufacturer will, at its discretion, repair or replace any product found by the Manufacturer to be defective and subject to this Limited Warranty.

DAMAGE TO PARTS OR PRODUCTS RESULTING FROM TAMPERING, ACCIDENT, ABUSE, MISUSE, NEGLIGENCE, UNAPPROVED MODIFICATIONS, FIRE OR OTHER HAZARD; IMPROPER INSTALLATION OR OPERATION; OR NOT BEING MAINTAINED IN ACCORDANCE WITH THE MAINTENANCE PROCEDURES SET FORTH IN MANUFACTURER'S INSTALLATION AND OPERATING INSTRUCTIONS VOIDS THIS LIMITED WARRANTY.

ORAL STATEMENTS OR REPRESENTATIONS ABOUT THE PRODUCT WHICH MAY HAVE BEEN MADE BY SALESPEOPLE, DEALERS, AGENTS OR OTHER MANUFACTURER'S REPRESENTATIVES DO NOT CONSTITUTE WARRANTIES. THIS LIMITED WARRANTY MAY NOT BE AMENDED, MODIFIED, OR ENLARGED EXCEPT BY A WRITTEN AGREEMENT SIGNED BY AN AUTHORIZED OFFICIAL OF MANUFACTURER WHICH EXPRESSLY REFERS TO THIS LIMITED WARRANTY.

**Exclusion of Other Warranties:** MANUFACTURER MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED. THE IMPLIED WARRANTIES FOR MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE HEREBY EXCLUDED AND SHALL NOT APPLY TO THE PRODUCT. BUYER'S SOLE AND EXCLUSIVE REMEDY IN CONTRACT, TORT, OR UNDER ANY OTHER THEORY AGAINST MANUFACTURER REGARDING THE PRODUCT AND ITS USE SHALL BE THE REPLACEMENT OR REPAIR OF THE PRODUCT AS DESCRIBED ABOVE.

**Limitation of Liability:** IN THE EVENT OF LIABILITY FOR DAMAGES ARISING OUT OF THIS LIMITED WARRANTY OR ANY OTHER CLAIM RELATED TO THE MANUFACTURER'S PRODUCTS, MANUFACTURER'S LIABILITY FOR DAMAGES SHALL BE LIMITED TO THE AMOUNT PAID FOR THE PRODUCT AT THE TIME OF THE ORIGINAL PURCHASE. IN NO EVENT SHALL MANUFACTURER BE LIABLE FOR LOST PROFITS, THE COST OF SUBSTITUTE EQUIPMENT OR LABOR, PROPERTY DAMAGE, OR OTHER SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES BASED UPON ANY CLAIM FOR BREACH OF CONTRACT, IMPROPER INSTALLATION, NEGLIGENCE, OR OTHER CLAIM, EVEN IF MANUFACTURER OR A MANUFACTURER'S REPRESENTATIVE HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. MANUFACTURER SHALL HAVE NO FURTHER OBLIGATION OR LIABILITY WITH RESPECT TO THE PRODUCT OR ITS SALE, OPERATION AND USE, AND MANUFACTURER NEITHER ASSUMES NOR AUTHORIZES THE ASSUMPTION OF ANY OTHER OBLIGATION OR LIABILITY IN CONNECTION WITH SUCH PRODUCT.

This Limited Warranty defines specific legal rights. You may have other legal rights which vary from state to state. Some states do not allow the exclusion or limitation



833 West Diamond St  
Boise, Idaho 83705

**Customer Service**

USA 800-635-5900

UK +44 (0)113 237 5340

AUS +61 (0)3 63322444

www.eccogroup.com