



# Installation and Operation Instructions EW2000 SERIES LED WORKLAMPS

ECCO's EW2000 Series LED Pedestrian Spotlights are designed specifically for material handling applications to provide a visual warning for pedestrians in the vicinity of mobile equipment. These lights are intended as a supplemental safety device in addition to a 360° warning light and project a bright, 300 lumen spot beam (available in blue or red) onto the ground either in front or to the rear of the vehicle. This additional safety feature is especially useful where blind corners are present (i.e. warehouse racking) and is likely to be seen by pedestrians that are not looking up or paying close attention to their surroundings. Featuring 12-48 VDC operation, an aluminum housing and polycarbonate lens the EW2000 is extremely resistant to impact and vibration damage and has an IP67 ingress protection rating.



**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:	EW2000B:	12-48 VDC
	EW2000R:	12-48 VDC
Weight:	EW2000B:	1.5 lbs.
	EW2000R:	1.5 lbs.
Lumens:	EW2000B:	300
	EW2000R:	450

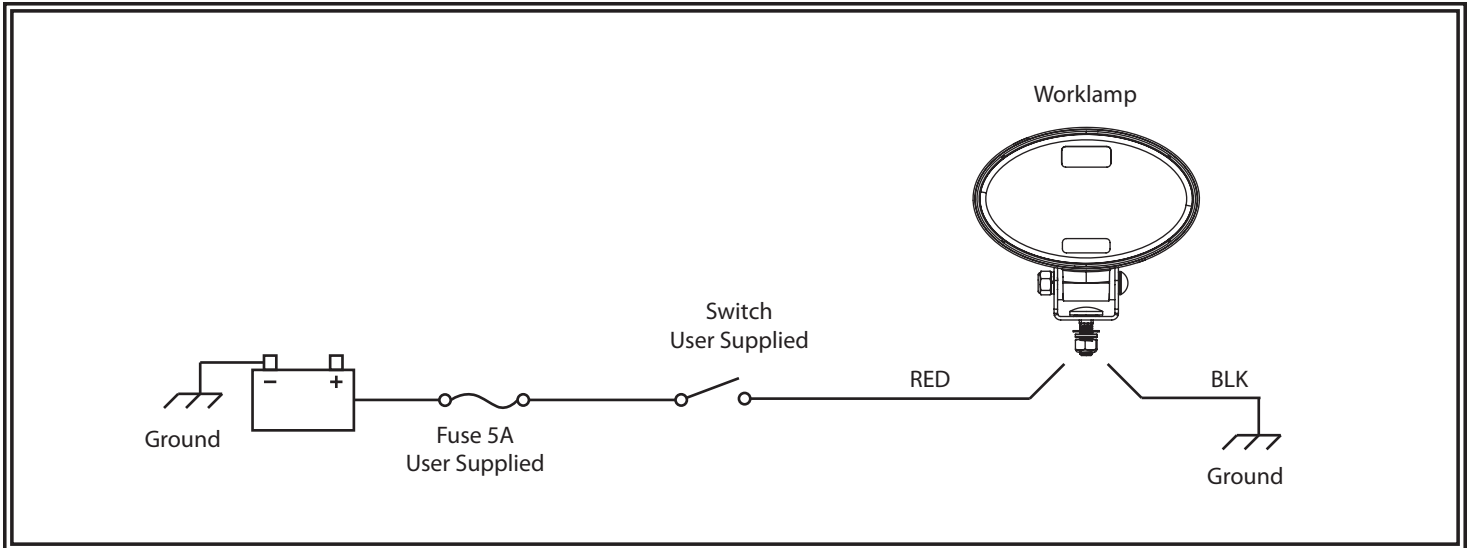
## **Installation:**

1. Select a mounting location for the unit on a flat surface. Drill a 0.332" diameter clearance hole in mounting surface (use a Q-sized drill bit). Place the unit and the 5/16" flat washer over the hole with the 5/16" carriage bolt through the washer and clearance hole and secure with a 5/16" lock washer and 5/16" lock nut on the bottom side.
2. Adjust beam location of the unit in the horizontal direction and tighten the 5/16" lock nut with a wrench.
3. Adjust the beam location of the unit in the vertical direction and tighten the 5/16" lock nut with a wrench.

## 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