

# WHELEN<sup>®</sup>

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## Installation Guide: UL12 Utility Light

### Safety First

This document provides all the necessary information to allow your Whelen product to be properly and safely installed. Before beginning the installation and/or operation of your new product, the installation technician and operator must read this manual completely. Important information is contained herein that could prevent serious injury or damage.

- **Proper installation of this product requires the installer to have a good understanding of automotive electronics, systems and procedures.**
- **If mounting this product requires drilling holes, the installer MUST be sure that no vehicle components or other vital parts could be damaged by the drilling process. Check both sides of the mounting surface before drilling begins. Also de-burr the holes and remove any metal shards or remnants. Install grommets into all wire passage holes.**
- **If this manual states that this product may be mounted with suction cups, magnets, tape or Velcro™, clean the mounting surface with a 50/50 mix of isopropyl alcohol and water and dry thoroughly.**
- **Do not install this product or route any wires in the deployment area of your air bag. Equipment mounted or located in the air bag deployment area will damage or reduce the effectiveness of the air bag, or become a projectile that could cause serious personal injury or death. Refer to your vehicle owners manual for the air bag deployment area. The User/Installer assumes full responsibility to determine proper mounting location, based on providing ultimate safety to all passengers inside the vehicle.**
- **For this product to operate at optimum efficiency, a good electrical connection to chassis ground must be made. The recommended procedure requires the product ground wire to be connected directly to the NEGATIVE (-) battery post (this does not include products that use cigar power cords).**
- **If this product uses a remote device for activation or control, make sure that this device is located in an area that allows both the vehicle and the device to be operated safely in any driving condition.**
- **Do not attempt to activate or control this device in a hazardous driving situation.**
- **This product contains either strobe light(s), halogen light(s), high-intensity LEDs or a combination of these lights. Do not stare directly into these lights. Momentary blindness and/or eye damage could result.**
- **Use only soap and water to clean the outer lens. Use of other chemicals could result in premature lens cracking (crazing) and discoloration. Lenses in this condition have significantly reduced effectiveness and should be replaced immediately. Inspect and operate this product regularly to confirm its proper operation and mounting condition. Do not use a pressure washer to clean this product.**
- **It is recommended that these instructions be stored in a safe place and referred to when performing maintenance and/or reinstallation of this product.**
- **FAILURE TO FOLLOW THESE SAFETY PRECAUTIONS AND INSTRUCTIONS COULD RESULT IN DAMAGE TO THE PRODUCT OR VEHICLE AND/OR SERIOUS INJURY TO YOU AND YOUR PASSENGERS!**

**For warranty information regarding this product, visit [www.whelen.com/warranty](http://www.whelen.com/warranty)**

# Mounting:

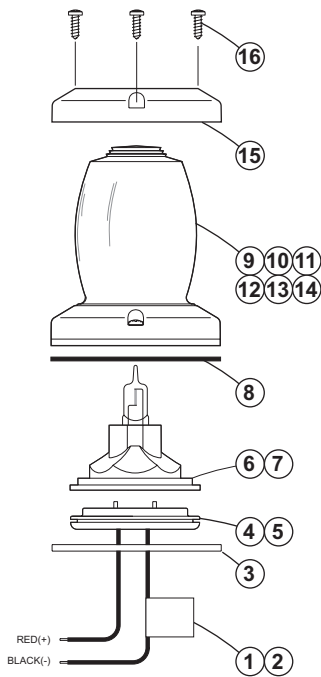
**WARNING! This installation will require drilling. It is absolutely necessary to make sure that no other vehicle components could be damaged by this process. Check both sides of the mounting surface before starting. If damage is likely, select a different mounting location.**

- Using the mounting collar as a template, mark the three mounting holes off onto the mounting surface.
- Drill appropriately sized mounting holes for the #6 X 5/8" mounting screws and a wire hole in the center. Deburr the wire hole and install a (customer supplied) rubber grommet.

- Feed the wires through the gasket and mounting surface and place the mounting gasket, lamp base and lens gasket in position on the mounting surface. Slide the collar over the lens and secure the lighthouse with the mounting screws.
- Extend the two wires to your power source and wire the lighthouse to power. The lamp will run in steady burn mode if the input power is reversed. This will not damage the unit.

**WARNING! All customer supplied wires that connect to the positive terminal of the battery must be sized to supply at least 125% of the maximum operating current and FUSED at the battery to carry that load. DO NOT USE CIRCUIT BREAKERS WITH THIS PRODUCT!**

## PARTS LIST / MODEL UL12 FLASHING UTILITY LIGHT



QTY	QTY	QTY	QTY	QTY	QTY	QTY	QTY	QTY	QTY	QTY	QTY	QTY	QTY	ITEM	PART NUMBER	DESCRIPTION
													*		01-0662138-A1	12V FLASHER ASSY. / AMBER
													*		01-0662138-B1	12V FLASHER ASSY. / BLUE
													*		01-0662138-C1	12V FLASHER ASSY. / CLEAR
													*		01-0662138-G1	12V FLASHER ASSY. / GREEN
													*		01-0662138-R1	12V FLASHER ASSY. / RED
													*		01-0662138-S1	12V FLASHER ASSY. / SPLIT
													*		01-0662138-A2	24V FLASHER ASSY. / AMBER
													*		01-0662138-B2	24V FLASHER ASSY. / BLUE
													*		01-0662138-C2	24V FLASHER ASSY. / CLEAR
													*		01-0662138-G2	24V FLASHER ASSY. / GREEN
													*		01-0662138-R2	24V FLASHER ASSY. / RED
													*		01-0662138-S2	24V FLASHER ASSY. / SPLIT
													*		10-0321935-02	MFG. LABEL 12V
													*		10-0321936-02	MFG. LABEL 24V
													*		38-0241411-00	GASKET
													*		01-0245981-00	FLASHER-BASE ASSY. 12V
													*		01-0245981-01	FLASHER-BASE ASSY. 24V
													*		02-0350433-00	LAMP ASSY. 12V
													*		02-0350433-01	LAMP ASSY. 24V
													*		38-0230039-00	GASKET
													*		68-2141859-10	LENS ASSY. / AMBER
													*		68-2141859-20	LENS ASSY. / BLUE
													*		68-2141859-30	LENS ASSY. / CLEAR
													*		68-2141859-40	LENS ASSY. / GREEN
													*		68-2141859-50	LENS ASSY. / RED
													*		68-2141859-06	LENS ASSY. / SPLIT
													*		11-761409-000	COLLAR
													*		15-061416-100	#6 X 5/8" P.P.H. SHEET METAL SCREW

### SPECIFICATIONS:

12V { INPUT VOLTAGE ..... 13V ±20%  
 INPUT CURRENT / PEAK ..... 8 AMPS @ 10ms ±20%  
 INPUT CURRENT / LAMP ON ..... 2.7 AMPS @ 600ms ±20%  
 INPUT CURRENT / AVG ..... 1.3 AMPS ±20%

24V { INPUT VOLTAGE - 26V ±20% ..... 26V ±20%  
 INPUT CURRENT / PEAK ..... 4 AMPS @ 10ms ±20%  
 INPUT CURRENT / LAMP ON ..... 1.3 AMPS @ 600ms ±20%  
 INPUT CURRENT / AVG ..... .65 AMPS ±20%

FLASHRATE ..... 70 FPM ±5FPM  
 DUTY CYCLE ..... 50% ±10%

WIRE ..... 18 AWG PVC  
 LAMP ..... 35W HALOGEN  
 FILAMENT ..... CC-8(AXIAL)

