

WHELEN[®]

ENGINEERING COMPANY INC.

51 Winthrop Road
Chester, Connecticut 06412-0684
Phone: (860) 526-9504
Fax: (860) 526-4078
Internet: www.whelen.com
Sales e-mail: autosale@whelen.com
Canadian Sales e-mail: autocan@whelen.com
Customer Service e-mail: custserv@whelen.com

Installation Guide: Pioneer™ Series LED Floodlight Pedestal Mount

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 any 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 owner's 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.**
- **If this product uses a remote device to activate or control this product, make sure that this control is located in an area that allows both the vehicle and the control 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

Mounting...

1. Position the Flange Base (#12) onto the proposed mounting surface. Mark the areas where the mounting holes are to be drilled.
2. Drill the mounting holes required using an appropriately sized drill bit (refer to the Flange Base Mounting Information shown below).
3. Slide an O-Ring (#17) onto the Pivot Pin (#13) until it reaches the base. Insert the Pivot Pin up through the bottom of the Flange Base and position the Flange Base/Pivot Pin assembly onto the mounting surface. Secure the Flange Base to the mounting surface using the hardware provided (#11, #14, #15 & #16).
4. Slide the remaining O-Ring (#17) onto the Pivot Pin. Thread the Clamp Nut Collar (#18) into the Pivot Pin. Do not tighten this collar yet. Place the Pivot Arm (#19) onto the Pivot Pin so that the tapped holes are aligned with the dimples on the Pivot Pin.
5. Insert a Socket Set Screw (#10) into each of the two tapped holes in the Pivot Arm. Tighten to secure to the Pivot Pin.
6. Attach the appropriate pole mount bracket (#3 or #4) onto the Pioneer using the hardware provided (#2). Apply a drop of LocTite®242 or equivalent to the threads.
7. Secure the Handle (#1) onto the Pole Mount Bracket using the hardware provided (#5).

8. Install the Pivot Bracket (#22) onto the pole mount bracket studs and firmly secure using the hardware provided (#6, #7 & #8).
9. Insert the Pioneer/Pivot Bracket assembly into the receiving cup of the Pivot Arm. Insert the Hex Bolt (#9) through the Pivot Bracket and Pivot arm. Install the internal tooth lockwasher (#21) and the Knob (#20) onto this hex bolt.
10. When the Pioneer has been adjusted to the desired angle and rotation, tighten the Knob and Collar firmly to maintain that angle.

Wiring...

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!

Refer to the wiring guide included with your Pioneer for wire functions, fuse values and optional switch connections.

IMPORTANT! Before returning the vehicle to active service, visually confirm the proper operation of this product, as well as all vehicle components/equipment.

Pioneer™ Floodlight

Pioneer Dimensions

Pioneer (Dual): 14.05" x 4.25"

Pioneer (Single): 8.18" x 4.25"

2.80" (Depth)

Sample Part Number Key

01-06864xx

- 00 = 12V / White
- 01 = 12V / White (15') Dual Pioneer-only
- 02 = 12V / Black (15') Dual Pioneer-only
- 07 = 12V / Black
- 24 = 24V / White
- 27 = 24V / Black
- D27= 24V / Desert Sand Pioneer Plus-only

Flange Base Mounting Information

Drill .342" dia. Mounting Hole (4 Places)

4" dia. Bolt Circle

PART NUMBER	DESCRIPTION
01-0686487 ___	Pioneer™ Series LED Floodlight (Single)
01-0686489 ___	Pioneer Series LED Floodlight (Dual)
01-0686448 ___	Pioneer Series PLUS LED Floodlight (Single)
01-0686449 ___	Pioneer Series PLUS LED Floodlight (Dual)

QTY	QTY	ITEM	PART NUMBER	DESCRIPTION
*	*		01-0486251-00	Pioneer™ (Single) Pedestal Mounting Kit
*	*		01-0486251-02	Pioneer™ (Dual) Pedestal Mounting Kit
1	1	1	08-0486106-00	Handle, Floodlight
4	3	2	14-104116-060	Screw, #10-24 X 3/8 PFHMS SS
-	1	3	07-26C071-001	Bracket (Single), Pole Mount
1	-	4	07-26C070-001	Bracket (Dual), Pole Mount
2	2	5	14-130A26-120	Screw, 1/4-20 X 3/4 Socket Head Cap, SS
2	2	6	16-1503220-60	3/8 Washer, Flat
2	2	7	16-1532220-10	3/8 Washer, Split Lok
2	2	8	13-156120-090	Nut, 3/16 Hex
1	1	9	14-164436-400	Bolt, Hex HD 7/16 - 14 X 2 1/2
2	2	10	14-130526-080	Screw 1/4 - 20 x 1/2", Socket Set, SS
4	4	11	14-148B26-180	Screw, Soc Button HD 5/16 - 18 X 1 1/8
1	1	12	11-36B112-001	Base, Flange
1	1	13	22-066B113-00	Pin, Pivot
4	4	14	16-1402420-05	5/16 Washer, Flat
4	4	15	16-1431920-08	5/16 Washer, Split Lok
4	4	16	13-148120-082	Nut, Elastic Stop 5/16 - 18
2	2	17	38-0417941-00	O-Ring, .987" ID X .103" Cross Section
1	1	18	11-76B111-007	Nut, Collar/Clamp
1	1	19	08-146B109-01	Arm, Pivot
1	1	20	08-016B110-01	Knob
1	1	21	16-1622520-12	Washer, Internal Tooth 7/16
1	1	22	07-26B108-002	Bracket, Pivot