

PFME Industrial Floodlights

Installation & Maintenance Information

SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE

APPLICATION

PFME LED industrial floodlights are suitable for use in the following ordinary (unclassified) locations as defined by the National Electrical Code (NEC®):

- Wet Location

UL Standards:

- UL1598 Luminaires

CSA Standard:

- CSA C22.2 No. 250

CONFIGURATIONS

- 15L, 20L, 30L, 45L, 60L, 75L

Refer to the luminaires nameplate for specific maximum ambient temperature suitability and corresponding minimum supply conductor temperature.

PFME industrial floodlight voltage ranges:

- UNV1: 120-277 VAC
- UNV34: 277-480 VAC
- 50/60 Hz



Figure 1

⚠ WARNING

To avoid the risk of fire, explosion or electric shock, this product should be installed, inspected and maintained by a qualified electrician only, in accordance with all applicable electrical codes. *Verify power wire (SOOW cable) is in accordance with all applicable electrical codes.

⚠ WARNING

To avoid electric shock:

- Be certain electrical power is OFF before and during installation and maintenance.
- Luminaires must be supplied by a wiring system suitable per local code with an equipment grounding conductor.

To avoid burning hands:

- Prior to performing maintenance, ensure luminaire is allowed to cool after power off for a period of 10 minutes.

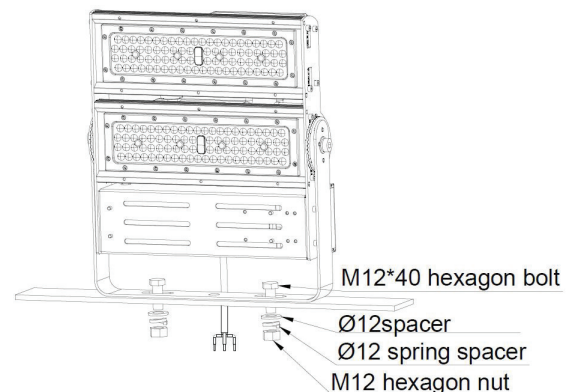
⚠ WARNING

To avoid product degradation:

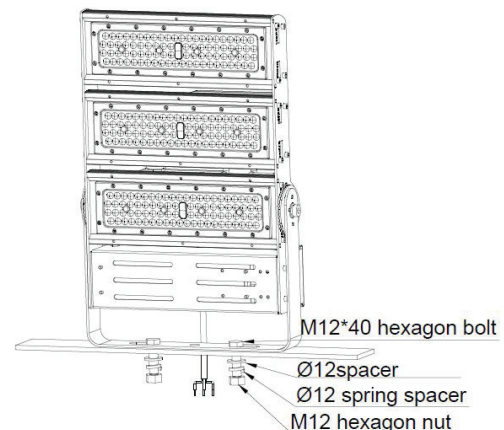
- Do not operate in ambient temperatures above those indicated on the luminaire nameplate.
- Use proper supply wiring as specified on the luminaire nameplate.
- Avoid use in environments containing sulfur, chlorine or other halides, methyl acetate or ethyl acetate, cyanoacrylates, glycol ethers, formaldehyde or butadiene.
- Mount luminaire no less than 36 inches from ceiling.
- Make sure the supply voltage is within the voltage range stated on the nameplate.
- Use only replacement parts from Crouse-Hinds.
- Aircraft cable mounting is recommended for dry locations only.
- Use only Crouse-Hinds or equivalent parts for mounting luminaire.

YOKE MOUNTING

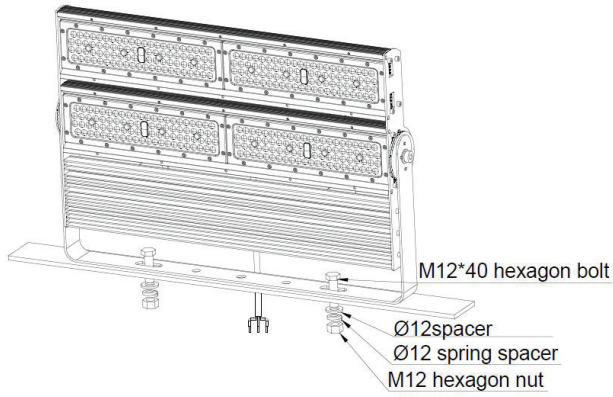
1. Mark and drill desired location on the desired mounting surface. Yoke mount brackets will come pre-installed.
2. Secure luminaire with mounting brackets to surface as shown in Figures 2-7
3. Connect the power line with the input line of lamp driving power as shown in Figure 8.



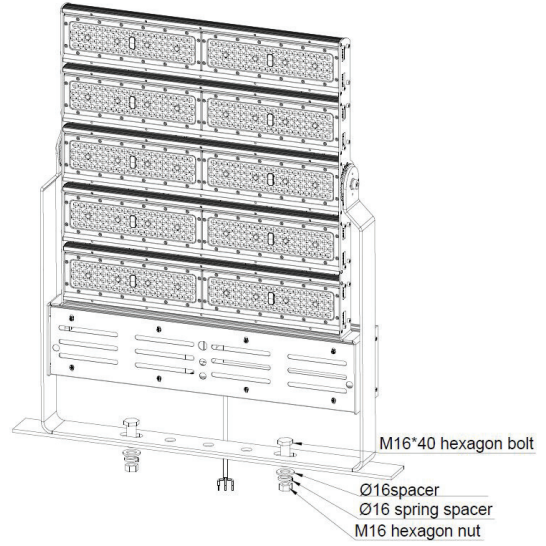
PFME15L-UNV1 and PFME15L-UNV34
Figure 2



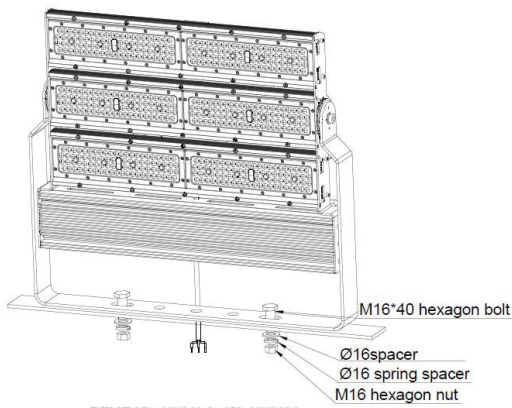
PFME20L-UNV1 & 20L-UNV34
Figure 3



PFME30L-UNV1 and PFME30L-UNV34
Figure 4

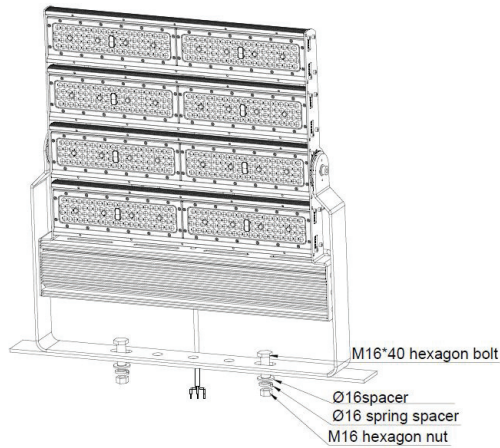


PFME75L-UNV1 and PFME75L-UNV34
Figure 7

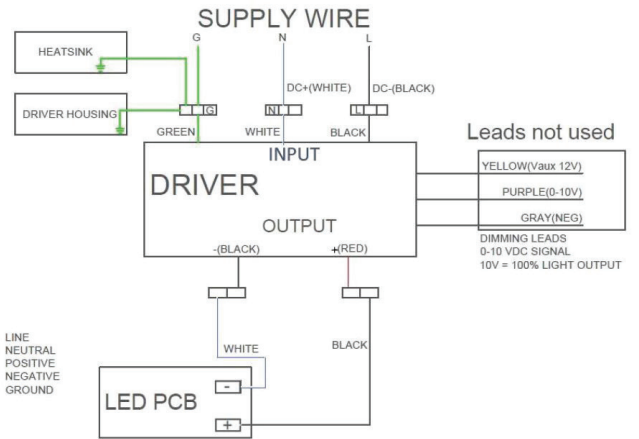


PFME45L-UNV1 & 45L-UNV34
FIGURE 5

PFME45L-UNV1 & 45L-UNV34
Figure 5



PFME60L-UNV1 and PFME60L-UNV34
Figure 6



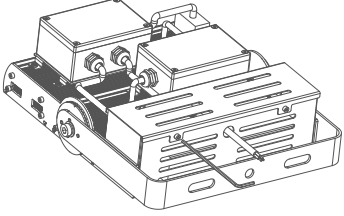
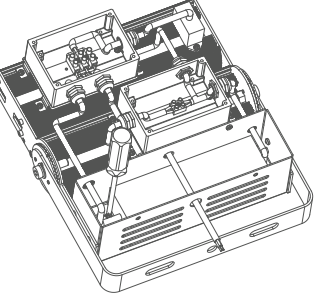
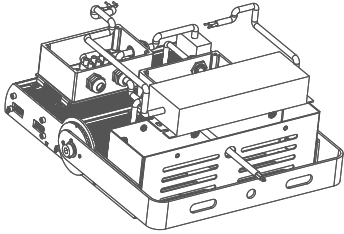
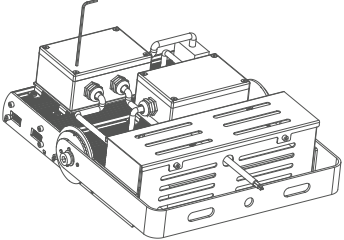
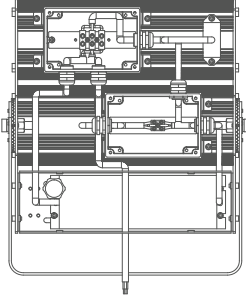
		
<p>1. Remove the upper cover of the electrical compartment with a 3mm thick hexagon wrench;</p>	<p>3. Use a cross screwdriver to remove the power supply fixing screw;</p>	<p>5. Take the driving power that needs to be replaced and reverse the above steps to install the driving power supply to the lamp. ;</p>
		<p>Note: AC end: Black wire to L, White wire to N, Green wire to GND DC end: Red wire to L, Blue wire to N</p>
<p>2. Use a 2.5mm thick hexagon wrench to remove the inner cover of the junction box;</p>	<p>4. Use a 20 mm open-end wrench to loosen the waterproof nuts at the AC and DC ends of the power supply;</p>	

Figure 9

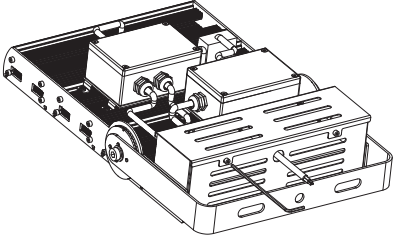
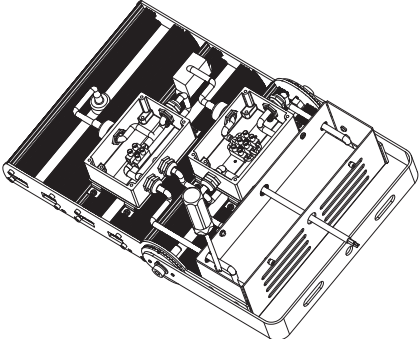
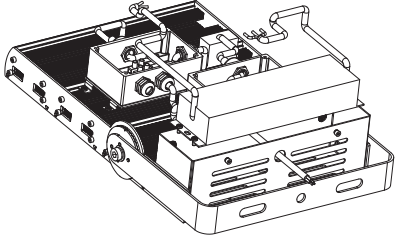
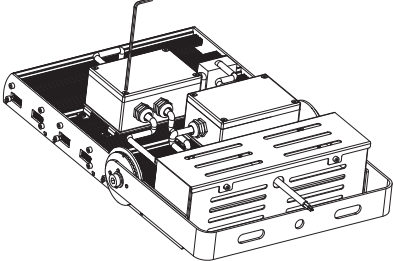
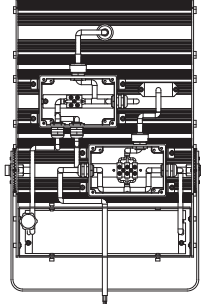
		
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Figure 10

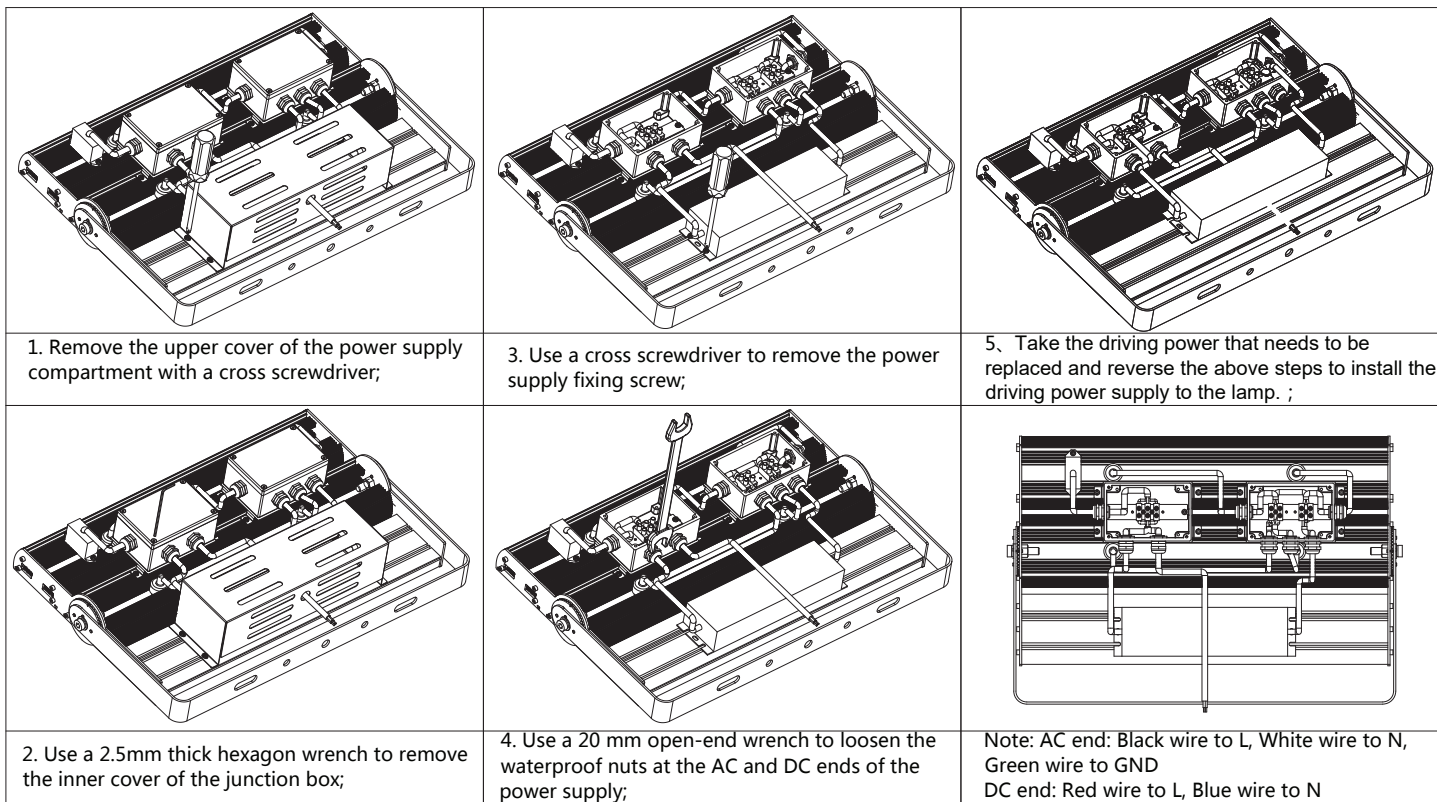


Figure 11

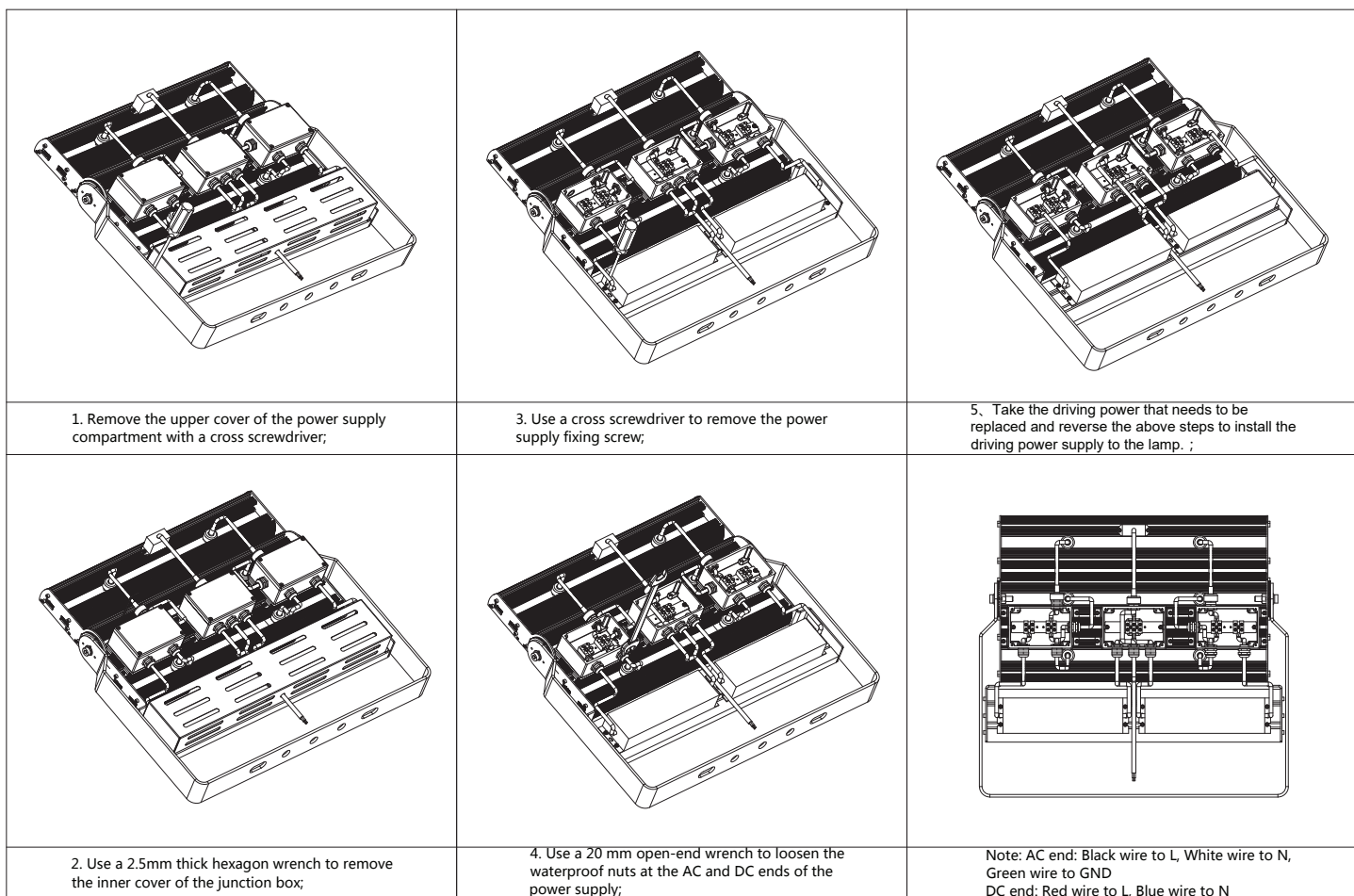


Figure 12

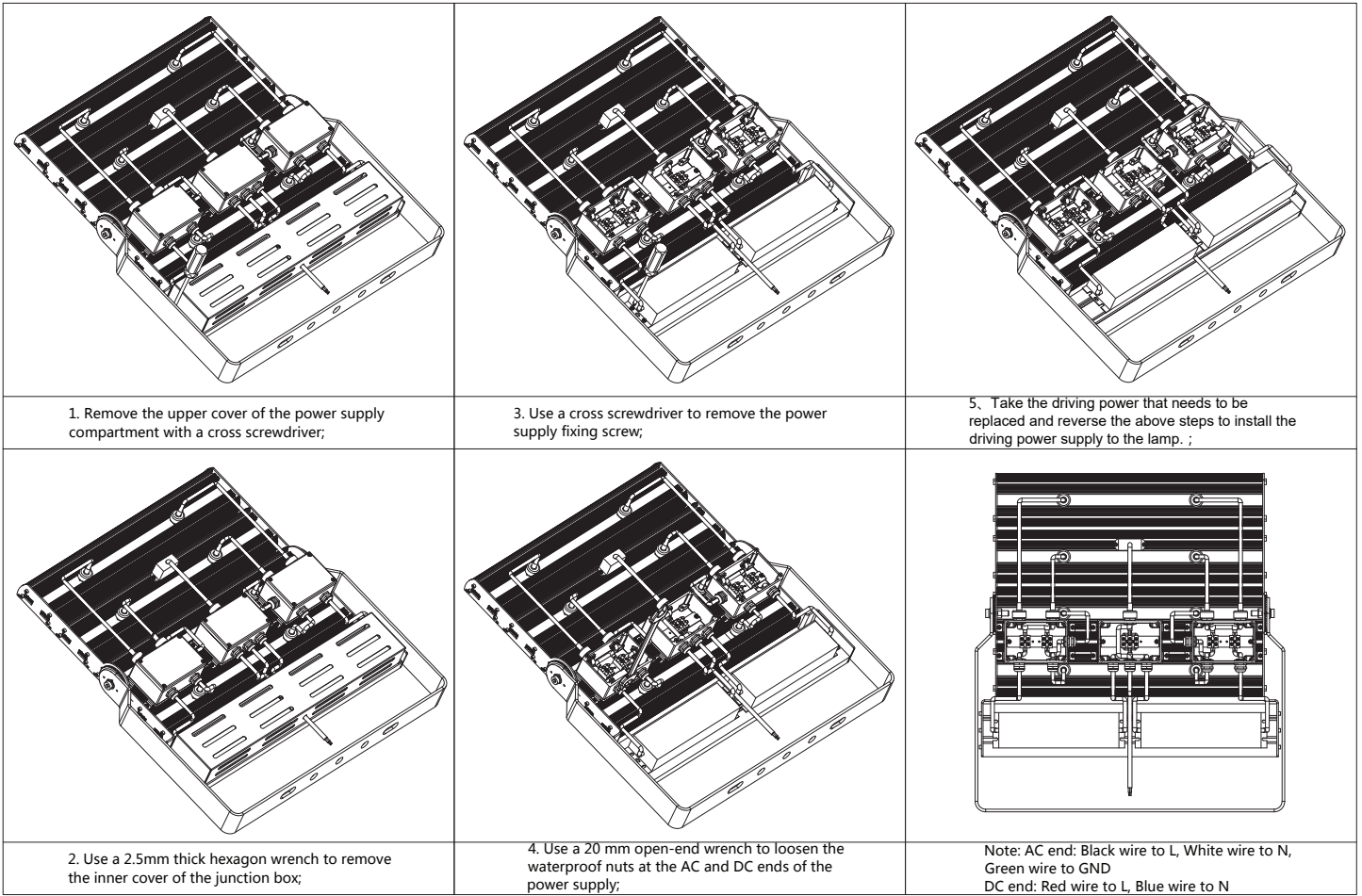


Figure 13

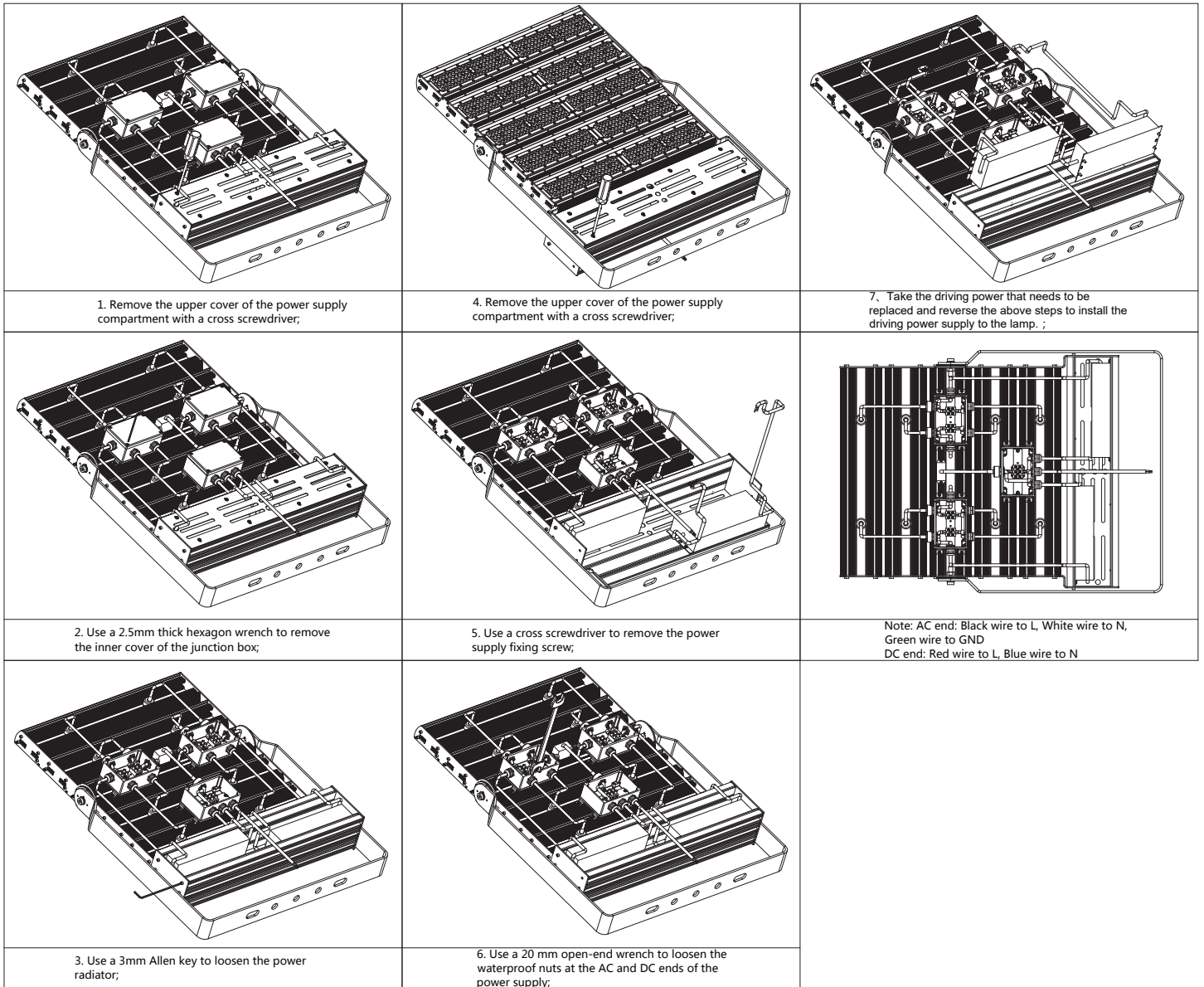


Figure 14

ANGLE ADJUSTMENT FEATURE

Adjust the angle between the luminescent surface and the horizontal surface every 8 degrees.

1. For lamps equipped with yokes, M16 bolts shall be used for installation, and the installation details of yokes are shown in Fig. 15.

Note: before making any adjustments to the yoke, consider that the M10 screws shown in Figure 15 have been screwed into the yoke bracket.

2. To set the yoke installation to the required angle, loosen (2) M10 screws as shown in Figure 16.
3. Make sure (2) M10 screws are tightened to 132 in.-lbs. (14.9Nm).
4. Set the yoke bracket to the required angle and tighten the screws to set the bracket in place.
5. Torque (2) screws to 132 in.-lbs. (14.9Nm).

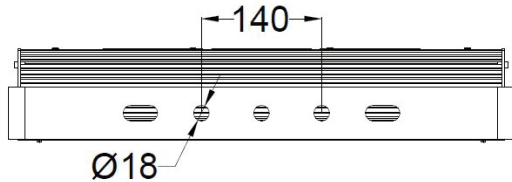


Figure 15

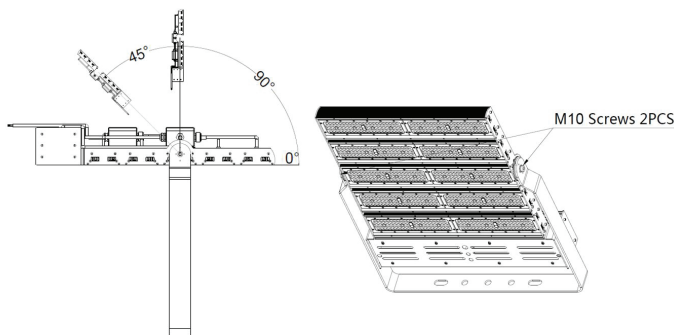


Figure 16

MAINTENANCE

1. Perform visual, electrical and mechanical inspections on a regular basis. The environment and frequency of use should determine this. However, it is recommended that checks be made at least once a year. We recommend an Electrical Preventive Maintenance Program as described in the National Fire Protection Association Bulletin NFPA No. 70B: Recommended Practice For Electrical Equipment Maintenance (www.nfpa.org).
2. The lens should be cleaned periodically to ensure continued lighting performance. To clean, wipe the lens with a clean, damp cloth. If this is not sufficient, use a mild soap or a liquid cleaner such as Collinite NCF or Duco #7. Do not use an abrasive, strong alkaline, or acid cleaner. Damage may result.
3. Visually check for undue heating evidenced by discoloration of wires or other components, damaged parts or leakage evidenced by water or corrosion in the interior. Replace all worn, damaged or malfunctioning components before putting the luminaire back into service.
4. Electrically check to make sure that all connections are clean and tight.
5. Mechanically check that all parts are properly assembled.
6. Luminaire should be dusted periodically to avoid build-up of dust and overheating the fixture.

REPLACEMENT PARTS

PFME Luminaires are designed to provide years of reliable lighting performance. However, should the need for replacement parts arise, they are available through your authorized Crouse-Hinds distributor. Assistance may also be obtained through your local Crouse-Hinds representative.

Eaton's Crouse-Hinds Division Sales Service Department, 1201 Wolf Street, Syracuse, New York 13208, Phone (866) 764-5454.

ACCESSORY KITS

Catalog number	Description	Used with
PFME-WIREGUARD-1	Wire lens guard	PFME 15L - 20L
PFME-WIREGUARD-2	Wire lens guard	PFME 30L - 75L
PFME-POLE-MT-1	Pole mount kit	PFME 15L - 20L
PFME-POLE-MT-2	Pole mount kit	PFME 30L - 60L
PFME-POLE-MT-3	Pole mount kit	PFME 75L
PFME-PHOTOCELL	Photocell	PFME 15L - 75L (UNV1 & UNV34)
PFME-VISOR-1	Visor	PFME 15L - 20L
PFME-VISOR-2	Visor	PFME 30L - 75L

DRIVER REPLACEMENT KITS

Catalog number	Description
PFME15L-D1	PFME-15L-UNV1-DRIVER-KIT
PFME20L-D1	PFME-20L-UNV1-DRIVER-KIT
PFME30L-D1	PFME-30L-UNV1-DRIVER-KIT
PFME45L-D1	PFME-45L-UNV1-DRIVER-KIT
PFME60L-D1	PFME-60L-UNV1-DRIVER-KIT
PFME75L-D1	PFME-75L-UNV1-DRIVER-KIT
PFME15L-D34	PFME-15L-UNV34-DRIVER-KIT
PFME20L-D34	PFME-20L-UNV34-DRIVER-KIT
PFME30L-D34	PFME-30L-UNV34-DRIVER-KIT
PFME45L-D34	PFME-45L-UNV34-DRIVER-KIT
PFME60L-D34	PFME-60L-UNV34-DRIVER-KIT
PFME75L-D34	PFME-75L-UNV34-DRIVER-KIT

GUARD & VISORS

Lumen	Guard catalog number	Guard quantity	Visor catalog number	Visor quantity
15L	PFME-WIREGUARD-1	2	PFME-VISOR-1	2
20L		3		3
30L	PFME-WIREGUARD-2	2	PFME-VISOR-2	2
45L		3		3
60L		4		4
75L		5		5

All statements, technical information and recommendations contained herein are based on information and tests we believe to be reliable. The accuracy or completeness thereof are not guaranteed. In accordance with Eaton's Crouse-Hinds Division's "Terms and Conditions of Sale," and since conditions of use are outside our control, the purchaser should determine the suitability of the product for his intended use and assumes all risk and liability whatsoever in connection therewith.