

# INSTALLATION INSTRUCTIONS

DESIGNER FLOOD LUMINAIRE DF7 250W. M.H.

**PHILIPS**



IMPORTANT: READ ALL INSTRUCTIONS BEFORE PERFORMING ANY WORK.

BE SURE ALL POWER IS OFF PRIOR TO INSTALLING LUMINAIRES.

WARNING: FIXTURE MUST BE GROUNDED IN ACCORDANCE WITH APPROPRIATE CODES. FAILURE TO DO SO MAY RESULT IN SERIOUS INJURY.

FIXTURE IS APPROVED FOR ABOVE GRADE INSTALLATIONS ONLY

## TWIN ARM MOUNT

(THE AID OF AN ASSISTANT IS RECOMMENDED IN PERFORMING INSTRUCTION #6)

TOOLS REQUIRED: 3/16 HEXAGON SOCKET DRIVER WITH A FIVE INCH MINIMUM LENGTH SHAFT, 5/16 HEXAGON SOCKET DRIVER AND A #2 PHILLIPS SCREW DRIVER.

1. SECURE TWIN ARM ASSEMBLY TO STANCHION OR POLE TOP ADAPTOR TENON WITH ARM SET SCREWS.

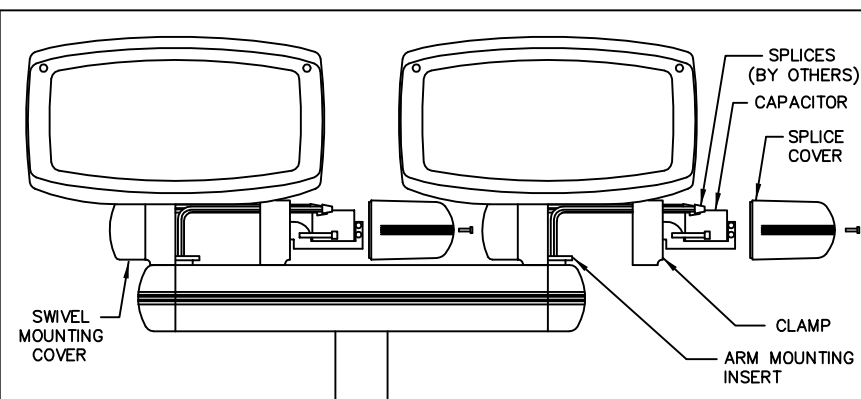
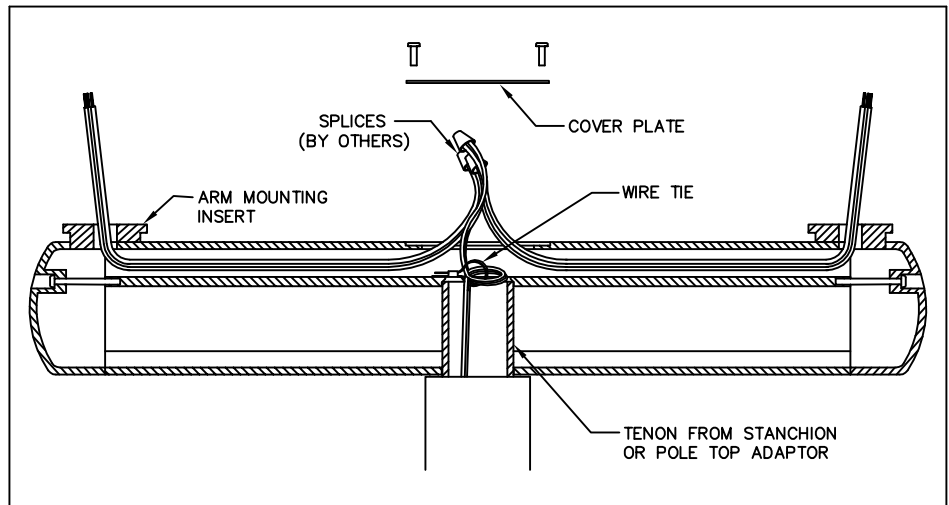
2. REMOVE COVER PLATE.

3. FOR POLE INSTALLATIONS, STRAIN RELIEVE SUPPLY WIRES BY INSERTING THE WIRE TIE THROUGH A LOOP OF SUPPLY WIRE. THE WIRE TIE IS TO ENCIRCLE THE SUPPLY WIRES WHERE THE LOOP OVERLAPS.

4. MAKE TWIN ARM ELECTRICAL CONNECTIONS. SUPPLY LINE

TO BOTH ARM LINES, COMMON TO ARM COMMONS AND GROUND TO ARM GROUNDS.

5. RELOCATE SPLICES INTO ARM. REPLACE COVER PLATE.



6. REMOVE SPLICE COVER AND CLAMP FROM SWIVEL ASSEMBLY OF FIRST FIXTURE. PLACE FIXED CLAMP ON TOP OF ARM SO THAT IT ENGAGES THE ARM MOUNTING INSERT FLANGE. ROUTE FIXTURE AND ARM WIRES THROUGH CLAMP. SECURE CLAMP TO SWIVEL ASSEMBLY WITH 1/4-20 BOLTS PREVIOUSLY REMOVED, BUT DO NOT FULLY TIGHTEN.

7. MAKE ELECTRICAL CONNECTIONS BETWEEN FIXTURE AND ARM. ARM LINE TO FIXTURE LINE, COMMON TO COMMON, GROUND TO GROUND AND (BLUE) CAPACITOR WIRES TO CAPACITOR.

8. UNSCREW THE TWO 1/4-20 BOLTS IN THE UPPER CORNERS OF THE LENS FRAME. OPEN FRAME, PULL THE RIGHT SIDE FLANGE OF THE REFLECTOR ASSEMBLY AND HINGE ASSEMBLY OUTWARD UNTIL LAMP ACCESS HOLE IS CLEAR. INSTALL LAMP, RESEAT REFLECTOR ASSEMBLY IN ITS ORIGINAL POSITION. CLOSE AND SECURE FRAME BEING CAREFUL NOT TO OVER TIGHTEN THE BOLTS.

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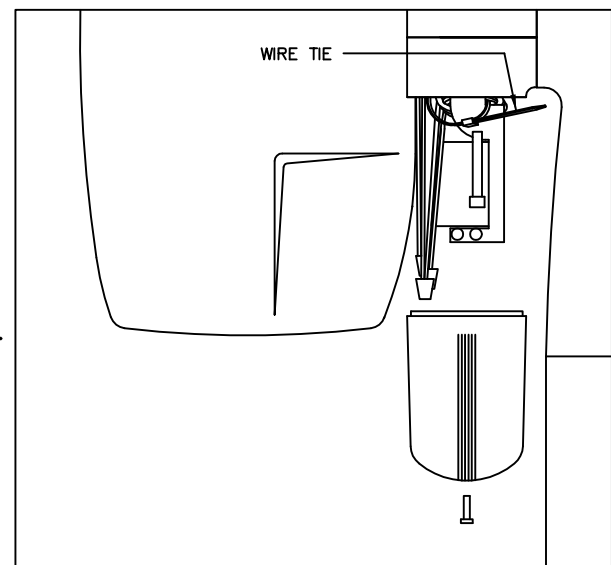
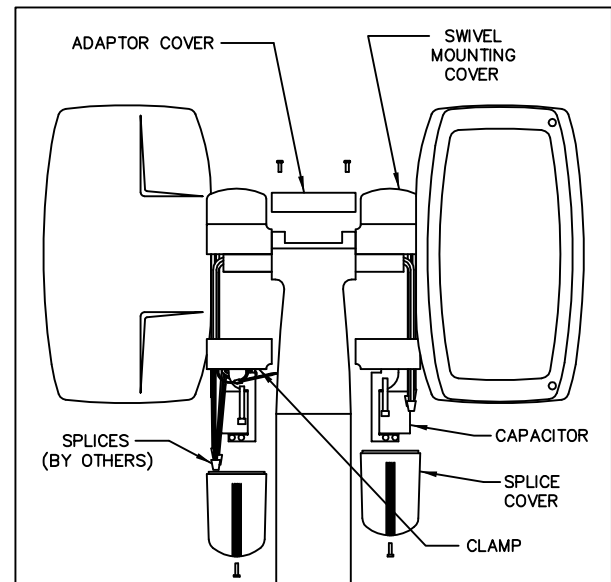
9. AIM THE FIXTURE BY LOOSENING THE 3/8-16 BOLT IN THE CENTER OF THE SWIVEL MOUNTING COVER. EACH MARK ON THE MOUNTING COVER INDICATES 15°. THE INTERNAL TEETH LOCK EVERY 5°. TIGHTEN SWIVEL AND CLAMP BOLTS WHEN AIMING IS COMPLETE.
10. SECURE SPLICE COVER TO CLAMP WITH SCREW PREVIOUSLY REMOVED.
11. INSTALL SECOND FIXTURE BY FOLLOWING INSTRUCTIONS 6 THROUGH 10.

## TWIN ADAPTOR

(THE AID OF AN ASSISTANT IS RECOMMENDED IN PERFORMING INSTRUCTION #4)

TOOLS REQUIRED: 3/16 HEXAGON SOCKET DRIVER WITH A FIVE INCH MINIMUM LENGTH SHAFT, 5/16 HEXAGON SOCKET DRIVER AND A #2 PHILLIPS SCREW DRIVER.

1. SECURE TWIN ADAPTOR TO POLE TENON WITH TWIN ADAPTOR SET SCREWS.
2. REMOVE ADAPTOR COVER.
3. INSERT 25 INCH WIRE JUMPERS (BY OTHERS) FOR LINE, COMMON AND GROUND THROUGH ONE SIDE OF THE TWIN ADAPTOR AND OUT THE OTHER. PULL SUPPLY WIRES FROM POLE OUT OF ONE SIDE OF THE TWIN ADAPTOR.
4. REMOVE SPLICE COVER AND CLAMP FROM SWIVEL ASSEMBLY OF FIRST FIXTURE. REST FIXED CLAMP ON TWIN ADAPTOR TENON WHERE BOTH JUMPER AND SUPPLY WIRES EXTEND OUT. ROUTE WIRES THROUGH CLAMP. SECURE CLAMP TO SWIVEL ASSEMBLY WITH 1/4-20 BOLTS PREVIOUSLY REMOVED, BUT DO NOT FULLY TIGHTEN.
5. FORM A LOOP WITH SUPPLY WIRES. ENCIRCLE THE SUPPLY WIRES WITH THE WIRE TIE WHERE THE WIRES OVERLAP, THEN ROUTE THE WIRE TIE AROUND ONE LEG OF THE CAPACITOR BRACKET (AS SHOWN). THIS WILL PROVIDE STRAIN RELIEF FOR THE SUPPLY WIRES. ROTATE FIXTURE SO THAT LENS FACES DOWNWARD.
6. MAKE ELECTRICAL CONNECTIONS. SUPPLY LINE TO FIXTURE LINE AND JUMPER LINE, SUPPLY COMMON TO FIXTURE AND JUMPER COMMON AND SUPPLY GROUND TO FIXTURE AND JUMPER GROUND. CONNECT (BLUE) CAPACITOR WIRES TO CAPACITOR.
7. UNSCREW THE TWO 1/4-20 BOLTS IN THE UPPER CORNERS OF THE LENS FRAME. OPEN FRAME, PULL THE RIGHT SIDE FLANGE OF THE REFLECTOR ASSEMBLY AND HINGE ASSEMBLY OUTWARD UNTIL LAMP ACCESS HOLE IS CLEAR. INSTALL LAMP, RESEAT REFLECTOR ASSEMBLY IN ITS ORIGINAL POSITION. CLOSE AND SECURE FRAME BEING CAREFUL NOT TO OVER TIGHTEN THE BOLTS.
8. AIM THE FIXTURE BY LOOSENING THE 3/8-16 BOLT IN THE CENTER OF THE SWIVEL MOUNTING COVER. EACH MARK ON THE SWIVEL MOUNTING COVER INDICATES 15°. THE INTERNAL TEETH LOCK EVERY 5°. TIGHTEN SWIVEL AND CLAMP BOLTS WHEN



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AIMING IS COMPLETE.

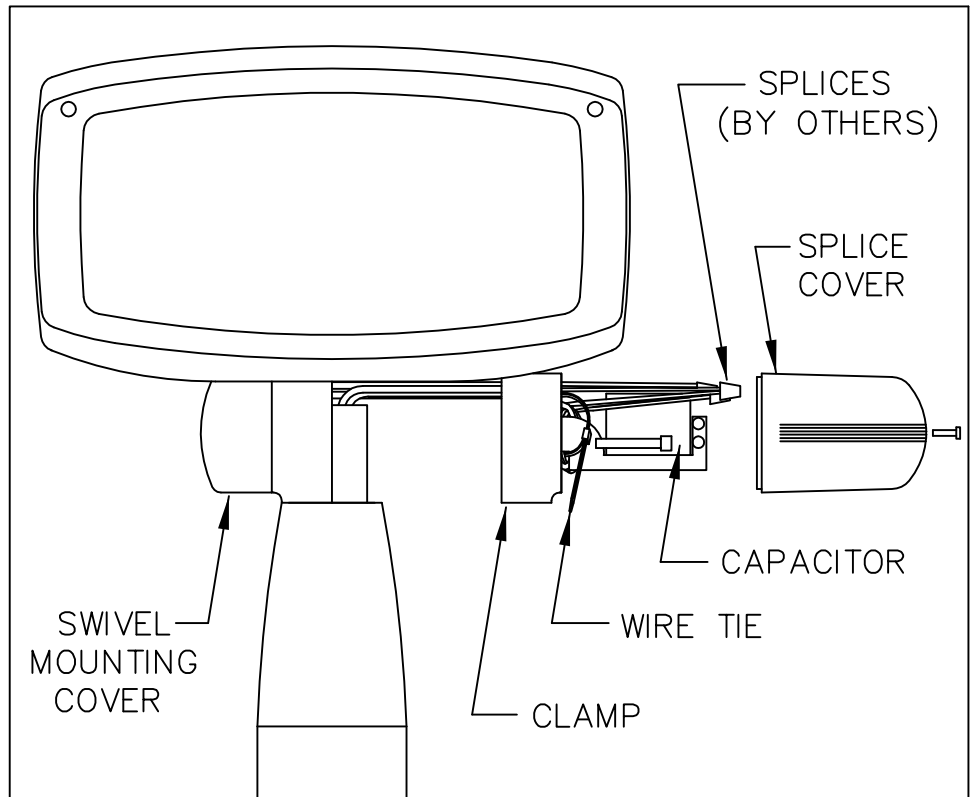
9. SECURE SPLICE COVER TO CLAMP WITH SCREW PREVIOUSLY REMOVED.
10. REPLACE ADAPTOR COVER.
11. INSTALL SECOND FIXTURE BY FOLLOWING INSTRUCTIONS 4 THROUGH 9 OMITTING INSTRUCTIONS THAT REFER TO SUPPLY WIRES.

## POLE ADAPTOR

(THE AID OF AN ASSISTANT IS RECOMMENDED IN PERFORMING INSTRUCTION #3)

TOOLS REQUIRED: 3/16 HEXAGON SOCKET DRIVER WITH A FIVE INCH MINIMUM LENGTH SHAFT, 5/16 HEXAGON SOCKET DRIVER AND A #2 PHILLIPS SCREW DRIVER.

1. SECURE POLE ADAPTOR TO POLE TENON WITH ADAPTOR SET SCREWS.
2. PULL SUPPLY WIRES FROM POLE AND OUT OF ADAPTOR.
3. REMOVE SPLICE COVER AND CLAMP FROM SWIVEL ASSEMBLY. PLACE FIXED CLAMP AGAINST POLE ADAPTOR TENON. ROUTE SUPPLY AND FIXTURE WIRES THROUGH CLAMP. SECURE CLAMP TO SWIVEL ASSEMBLY WITH 1/4-20 BOLTS PREVIOUSLY REMOVED, BUT DO NOT FULLY TIGHTEN.
4. FORM A LOOP WITH SUPPLY WIRES. ENCIRCLE THE SUPPLY WIRES WITH THE WIRE TIE WHERE THE WIRES OVERLAP, THEN ROUTE THE WIRE TIE AROUND ONE LEG OF THE CAPACITOR BRACKET (AS SHOWN). THIS WILL PROVIDE STRAIN RELIEF FOR THE SUPPLY WIRES.



5. MAKE ELECTRICAL CONNECTIONS. SUPPLY LINE TO FIXTURE LINE, COMMON TO COMMON GROUND TO GROUND AND (BLUE) CAPACITOR WIRES TO CAPACITOR.
6. UNSCREW THE TWO 1/4-20 BOLTS IN THE UPPER CORNERS OF THE LENS FRAME. OPEN FRAME, PULL THE RIGHT SIDE FLANGE OF THE REFLECTOR ASSEMBLY AND HINGE ASSEMBLY OUTWARD UNTIL LAMP ACCESS HOLE IS CLEAR. INSTALL LAMP, RESEAT REFLECTOR ASSEMBLY IN ITS ORIGINAL POSITION. CLOSE AND SECURE FRAME BEING CAREFUL NOT TO OVER TIGHTEN THE BOLTS.
7. AIM THE FIXTURE BY LOOSENING THE 3/8-16 BOLT IN THE CENTER OF THE SWIVEL MOUNTING COVER. EACH MARK ON THE MOUNTING COVER INDICATES 15°. THE INTERNAL TEETH LOCK EVERY 5°. TIGHTEN SWIVEL AND CLAMP BOLTS WHEN AIMING IS COMPLETE.
8. SECURE SPLICE COVER TO CLAMP WITH SCREW PREVIOUSLY REMOVED.

