**APPLICATION**

RCDE-6 Series incandescent floodlights are designed for fixed mount installation in Class I, Division I, Groups C, D hazardous (classified) locations as defined by the National Electrical Code®. Refer to fixture nameplate for specific classification information.

RCDE-6 Series floodlights are designed for use indoors or outdoors, where moisture, dirt, and vibration may be a problem. Two different mounting arrangements are as follows:

**Model No. 44719B** — features a junction box base with four mounting “feet” for installation on flat surfaces.

**Model No. 44978A** — features a junction box base with internal thread designed to accept 2-inch diameter threaded conduit.

RCDE-6 floodlights are designed for use with 150 watt PAR38 or R40; or 300 watt R40 incandescent lamps.

* Units with 300 watt lamps suitable for Class I, Group D locations only.

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**FIXTURE INSTALLATION — MODEL 44719B**

**WARNING**

- Electrical power must be OFF before and during installation and maintenance.
- Do not install the fixture where marked operating temperatures exceed ignition temperatures of hazardous atmospheres.
- Proper field wiring as specified on fixture nameplate must be used.
- This lighting fixture is designed to operate aimed horizontally or below. Do not aim above horizontal.

**NOTE:** When base is mounted on a horizontal surface, the unit can be aimed a maximum of 45° down.

1. Detach the mounting base from the fixture by removing the four hex head screws holding the base to the clamping ring. See Figure 1.

2. Select a mounting location that will provide suitable strength and rigidity for supporting the fixture. (Fixture weight: 21 lbs.)

3. Securely fasten base to the mounting location using the appropriate length 5/16" diameter hardware, then attach to conduit system in accordance with NEC requirements.

**CAUTION**

- Conduit sealing fittings may be required to be installed to comply with the requirements of the NEC, Section 501-5 and/or 502-5, plus any other applicable standards.
- All unused conduit openings must be plugged (furnished with unit). Plugs must be wrenched to engage a minimum of five full threads.

4. Remove the threaded access cover from mounting base.

5. Pull field wiring leads into the base through access hole, making them long enough to connect to fixture leads.

6. Re-attach the fixture by positioning the fixture over the base, bringing fixture wire leads out of the access hole in base, and attaching clamping ring in place. Securely tighten the clamping ring using the four hex head screws removed in Step 1.

**NOTE:** When attaching fixture to the base, be sure to have fixture in the direction which will allow the lamp to be aimed in the desired direction. Be sure that the serration on the mounting base seat properly before tightening screws in clamping ring.

7. Connect fixture leads to field wiring leads using methods that comply with NEC and any local codes. Use proper temperature wire as indicated on fixture nameplate.

* National Electrical Code is a registered trademark of the National Fire Protection Association.
WARNING
Use fixture only on grounded systems. Make sure that supply voltage is the same as fixture voltage.

8. Install the threaded cover to the mounting base making sure that all wires are safely inside the base and positioned away from the threads. Tighten cover until cover flange contacts body face.

CAUTION
Use care to prevent dirt, grit or other foreign material from lodging on threads. If any such material settles on these threads, clean them with kerosene or Stoddard solvent*, then relubricate with Crouse-Hinds Type STL thread lubricant.

(*To avoid the possibilities of an explosion, oxidation and corrosion, do not use gasoline or similar solvents.)

FIXTURE INSTALLATION — MODEL 44978A

WARNING
- Electrical power must be OFF before and during installation and maintenance.
- Do not install the fixture where marked operating temperatures exceed ignition temperatures of hazardous atmospheres.
- Proper field wiring as specified on fixture nameplate must be used.
- This lighting fixture is designed to operate aimed horizontally or below. Do not aim above horizontal.

NOTE: When base is mounted on a horizontal surface, the unit can be aimed a maximum of 45° down.

1. Detach the mounting base from the fixture by removing the four hex head screws holding the base to the clamping ring. See Figure 1 on previous page.

CAUTION
- The mounting base for this model has an internal thread designed to accept a 2-inch diameter threaded conduit.
- Be sure the conduit will provide suitable strength and rigidity for supporting the fixture. (Fixture weight: 21 lbs.)
- Conduit sealing fittings may be required to be installed to comply with the requirements of the NEC, Section 501-5 and/or 502-5, plus any other applicable standards.
- All unused conduit openings must be plugged (furnished with unit). Plugs must be wrenched to engage a minimum of five full threads.

2. Pull field wiring leads from conduit up through mounting base opening, while placing base over threaded conduit.

CAUTION
Use care to prevent damaging these leads while tightening the base onto conduit.

3. Thread the mounting base until it “bottoms”. DO NOT OVERTIGHTEN. The base may have to be backed off slightly to facilitate correct fixture aiming.

4. Remove the threaded access cover from mounting base.

5. Pull field wiring leads into the base through access hole, making them long enough to connect to fixture leads.

6. Re-attach the fixture by positioning the fixture over the base, bringing fixture wire leads out of the access hole in base, and attaching clamping ring in place. Securely tighten the clamping ring using the four hex head screws removed in Step 1.

NOTE: When attaching fixture to the base, be sure to have fixture in the direction which will allow the lamp to be aimed in the desired direction. Be sure that the serration on the mounting base seat properly before tightening screws in clamping ring.

7. Connect fixture leads to field wiring leads using methods that comply with NEC and any local codes. Use proper temperature wire as indicated on fixture nameplate.

CAUTION
Use fixture only on grounded systems. Make sure that supply voltage is the same as fixture voltage.

8. Install the threaded cover to the mounting base making sure that all wires are safely inside the base and positioned away from the threads. Tighten cover until cover flange contacts body face.

CAUTION
Use care to prevent dirt, grit or other foreign material from lodging on threads. If any such material settles on these threads, clean them with kerosene or Stoddard solvent*, then relubricate with Crouse-Hinds Type STL thread lubricant.

(*To avoid the possibilities of an explosion, oxidation and corrosion, do not use gasoline or similar solvents.)

9. Position the fixture in the desired aiming direction by moving the entire fixture on the threaded pipe or tenon.

CAUTION
At least 5 full threads must be engaged to meet National Electrical Code requirements for explosionproof (Class I) applications.

10. Secure the fixture by tightening the set screw located on the side of the mounting base.
FIXTURE ADJUSTMENT — ALL UNITS

CAUTION
Electrical power should be OFF before and during fixture adjustment.

Loosen hex head screw in trunnion support arm, aim fixture in desired direction, and then tighten hex head screw securely. See Figure 2.

LAMP INSTALLATION — ALL UNITS

WARNING
Primary power source must be OFF before opening fixture for inspection or lamp installation.

1. Remove the threaded lens/door assembly from fixture and carefully set it aside for re-assembly later.

2. Install incandescent 120V lamp. The following lamps may be used, depending on the hazardous area classification:

   Lamps For RCDE-6
   150W PAR-38  Spot or Flood  Class I, Groups C, D
   150W R40     Spot or Flood  Class I, Groups C, D
   300W PAR-38  Spot or Flood  Class I, Group D Only

3. Replace the lens/door assembly, thread tightly against housing.

   CAUTION
   Use care to prevent dirt, grit or other foreign material from lodging on threads. If any such material settles on these threads, clean them with kerosene or Stoddard solvent*, then relubricate with Crouse-Hinds Type STL thread lubricant.
   (*To avoid the possibilities of an explosion, oxidation and corrosion, do not use gasoline or similar solvents.)

4. Installation is complete and power source may be turned ON.

MAINTENANCE

WARNING
Always disconnect primary power source before opening fixture for inspection or service.

Perform visual, electrical and mechanical inspections on a regular basis. This should be determined by the environment and frequency of use. 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.

The lens should be cleaned periodically to insure continued lighting performance. To clean, wipe the lens with a clean, damp, soft 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.

- 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.
- Electrically check to make sure that all connections are clean and tight.
- Mechanically check that all parts are properly assembled.
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 Crouse-Hinds “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 herewith.