

FVS Compact Fluorescent Fixture FVS20-DR1292966 For Ordinary Locations Installation & Maintenance Information

IF 1393

SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE

APPLICATION

FVS series compact fluorescent lighting fixtures for use in ordinary locations. The fixture is suitable for wet locations. The fixture is also listed as marine type, non-recessed, outside (salt water) fixture.

It is designed for use in industrial locations where moisture, dirt and vibration may be a problem.

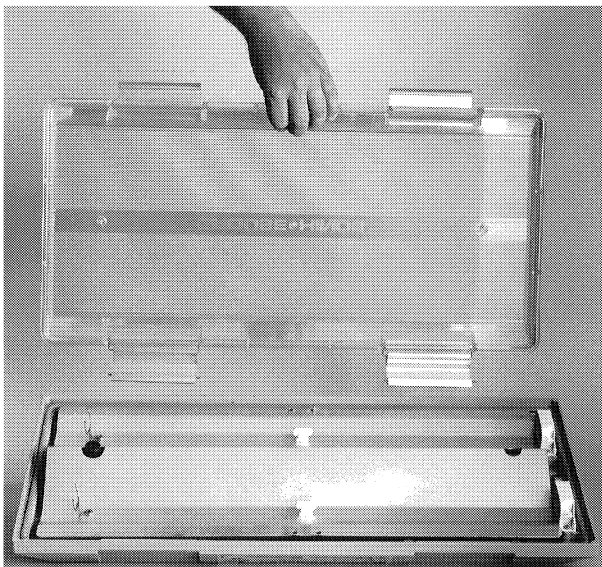
FVS compact fluorescent lighting fixtures are for use with single ended 40 watt twin tube fluorescent lamps. (See lamp replacement parts). Fixture input voltage is 120VAC, 50 or 60Hz. Suitable for ambient temperatures of 50°F (10°C) or above to achieve reliable starting and maximum lamp performance.

The fixture is provided with all hardware necessary to mount as pendant, ceiling, wall or in wall/ceiling corners. An optional trunnion arm is available for aimable wall, ceiling, beam or pole top mounting (with SFA6 slip fitter adapter) by ordering an FVS-K5 Trunnion Kit.

Read and follow these instructions carefully for installation and maintenance to achieve optimum performance.

FIXTURE INSTALLATION

1. Remove fixture from shipping carton. (Remove lamps if furnished). Set aside bag of mounting accessories for later use if needed.



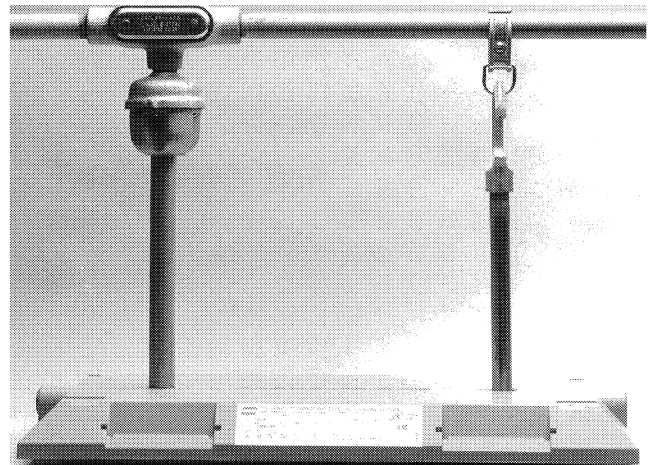
2. Unsnap four latches (attached to lens), disengage hinge/latches from fixture housing and carefully set lens to the side for later reassembly.
3. Turn the two reflector retaining studs 1/4 turn and swing reflector away pivoting on reflector support hook, disengage and remove from fixture. (Carefully place reflector on a non-abrasive surface so as not to damage the finish on the reflector).
4. Proceed to the section which pertains to the appropriate mounting arrangement selected.

⚠ WARNING

Electrical power must be OFF before and during installation or maintenance. **ALL** latches must be fully retracted after installation, maintenance and relamping.

PENDANT MOUNT

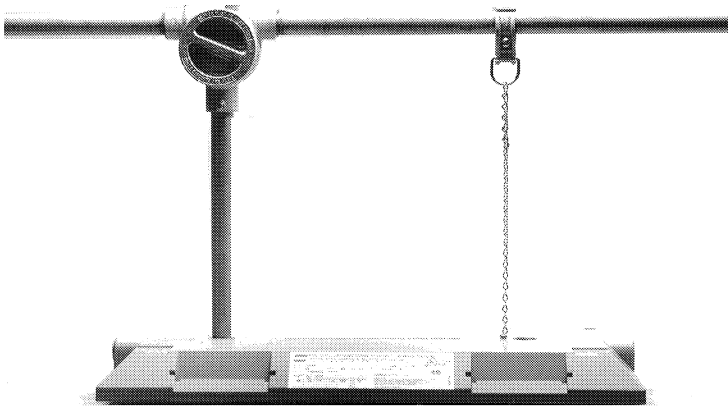
1. Remove the two 3/4" plugs located on the top of the fixture. Install one plug into the unused conduit opening on one end of fixture housing and discard the remaining plug.
2. Mount one pendant hub to conduit stem. Conduit must be engaged until tight, minimum five full threads. Install conduit onto appropriate fixture hanger for the classified area and/or environmental conditions.



3. Support other end of fixture housing by means of rigid conduit and CHS/UNH fixture hangers. (See section 7L of Crouse-Hinds catalog for a complete line of fixture hanger accessories).
4. Proceed to "Fixture Wiring" instructions.

PENDANT MOUNT (with chain support)

1. Remove one 3/4" plug from top of fixture housing and install plug into remaining unused conduit opening on one end of fixture housing.
2. Mount one pendant hub to conduit stem. Conduit must be engaged until tight, minimum five full threads. Install conduit onto appropriate fixture hanger for the classified area and/or environmental conditions. (See section 7L of Crouse-Hinds catalog for a complete line of fixture hanger accessories).

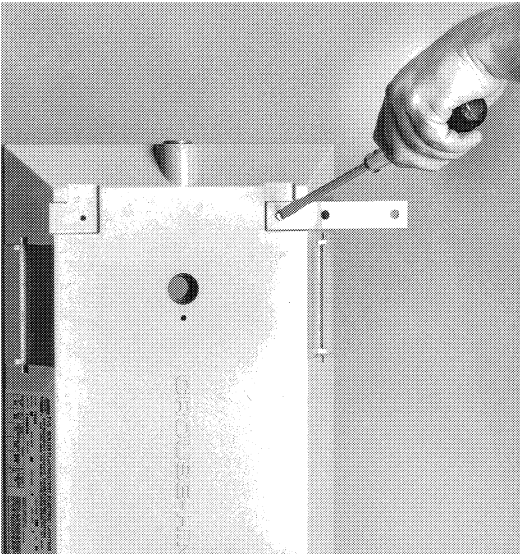


3. Using self-tapping pan head screw, (provided in bag of mounting accessories), install light duty fixture mount chain (not provided) to fixture housing.
4. Make final connections of chain using mounting methods in compliance with the National Electrical Code or the Canadian Electrical Code ® and any local codes or regulations.
5. Proceed to "Fixture Wiring" instructions.

CEILING MOUNT OR WALL MOUNT (horizontal or vertical)

NOTE: Fixture may be mounted in a vertical position with the lamps base down.

1. Remove one or two 3/4" plug(s) from end(s) of fixture housing. Use remaining plug in unused conduit opening if necessary.



2. Using four flat mounting bracket accessories (supplied), secure wall (or ceiling) mount brackets to the corners of the fixture housing with screws provided.
3. Position fixture in desired location and attach with 1/4" bolts or screws (not furnished).
4. Install conduit to fixture end(s). Conduit must be engaged until tight, minimum five full threads.
5. Proceed to "Fixture Wiring" instructions.

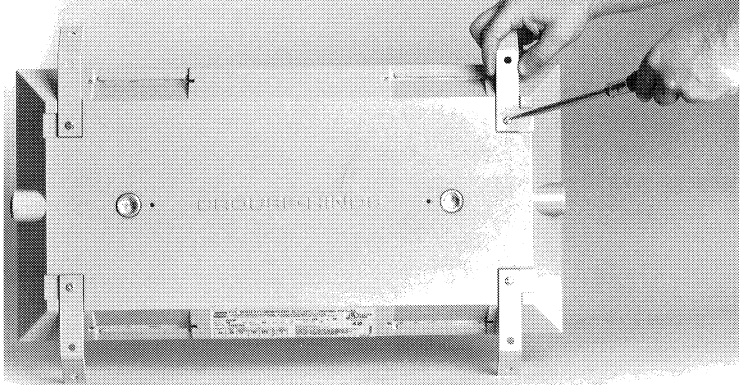
CORNER MOUNT (wall to ceiling)

⚠ CAUTION

Due to heat of fixture operation; FVS must be mounted with light aimed between vertical down and horizontal. Fixture must not be mounted with light aimed above horizontal.

NOTE: Fixture can be mounted in either a vertical or horizontal corner.

1. Remove one or two 3/4" plug(s) from end(s) of fixture housing. Use remaining plug in unused conduit opening if necessary.



2. Using four angle mounting bracket accessories (supplied), secure corner mounting brackets with screws provided to the fixture as shown above.
3. Locate fixture in desired position and attach with 1/4" bolts or screws (not furnished).
4. Install conduit or fitting to fixture end(s) according to the National Electrical Code or the Canadian Electrical Code and any local codes. Conduit must be engaged until tight, minimum five full threads.
5. Proceed to "Fixture Wiring" instructions.

FIXTURE WIRING

⚠ WARNING

Electrical power must be OFF before and during installation or maintenance.

⚠ WARNING

All unused conduit openings must be plugged. Plug must engage a minimum of five full threads. Use plugs supplied with fixture.

1. Pull supply and ground wires through conduit and into fixture housing.
2. Make sure that supply wire is temperature rated per compliances stated on fixture nameplate:
3. Connect fixture leads to incoming conductors using methods that comply with the National Electrical Code or the Canadian Electrical Code and applicable local codes.

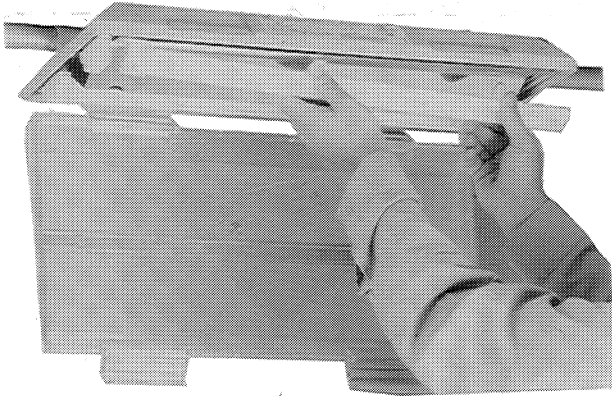
⚠ WARNING

Use fixture only on grounded system. Make sure that supply voltage is the same as marked on fixture nameplate.

4. To replace reflector assembly, first engage two edge holes on support hook, swing reflector into position and engage 1/4 turn studs in receiver holes in ballast mounting plate "wings". Lock 1/4 turn reflector studs. Stud handles must be in line with lamps when locked. (NOTE: Make sure that there are no wires being pinched between reflector and mounting plate when replaced).

LAMP INSTALLATION

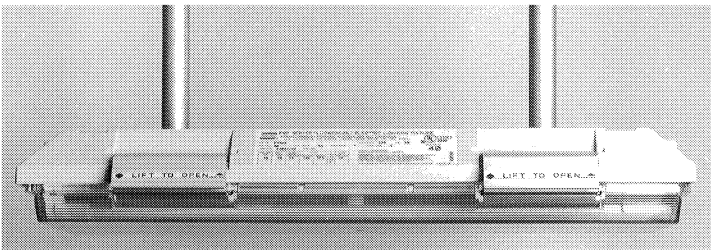
1. Install lamps (two) of the proper type and wattage as specified on nameplate. Lamp types are listed on the last page of this instruction sheet. Install the lamp base in the socket with the lamp at a 45° angle as shown. Then hold open the metal support clips attached to the reflector and raise the end of the lamp into place. Be sure lamp base is fully engaged in lampholder before snapping each lamp into support clips attached to reflector.



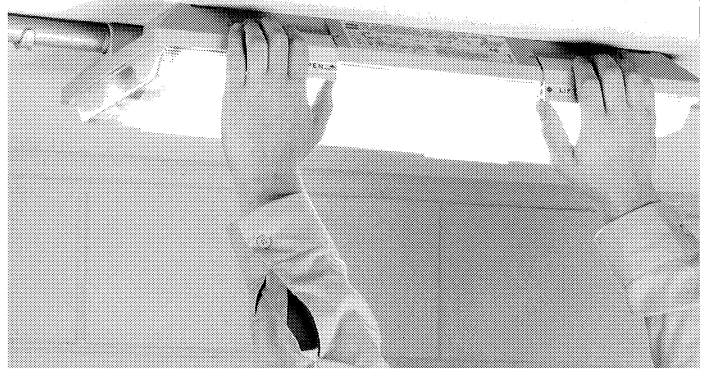
⚠ CAUTION

Use only size and wattage lamps as specified on nameplate of fixture.

2. Reattach lens assembly. Position "Hinge" side of lens onto desired side of fixture housing first, so that lens will allow easy access for future relamping.

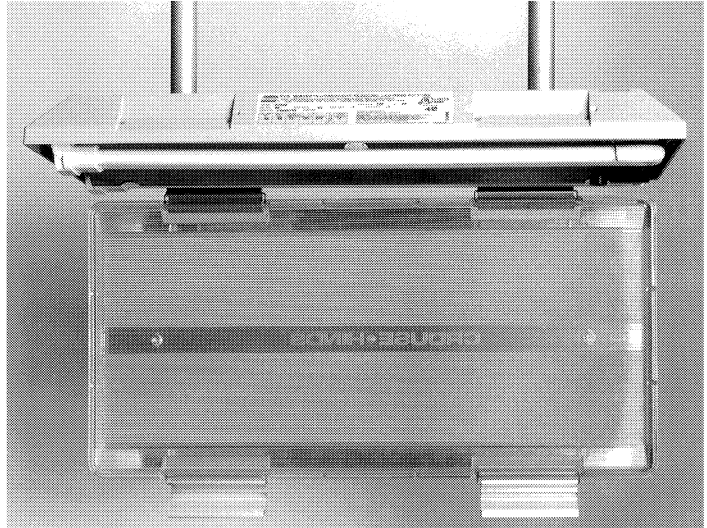


3. Swing lens assembly to latch side making sure lens is fully within housing opening. Seat latches in cast grooves.



4. Push up on lens and snap all four latches into place.
5. Fixture assembly and installation is complete.

RELAMPING



1. Unsnap all latches, and disengage two latches marked "LIFT TO OPEN" from cast grooves opposite hinge side. Let lens gently swing down or out depending on installation position.

⚠ CAUTION

For fixture mounted vertically on wall or corner, be careful that hinge side does not unseat as lens swings out. Remove lens assembly during relamping.

2. Carefully remove lamps from fixture... as specified on fixture nameplate.
3. Repeat steps 1-4 listed under lamp installation.

MAINTENANCE

⚠ WARNING

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

CATALOG	VOLTAGE
FVS20-DR1292966	120 VAC 50/60 HZ

Perform visual, electrical and mechanical inspections on a regular basis. We recommend an Electrical Preventive Maintenance Program as described in the National Fire Protection Association Bulletin NFPA No. 70B. The lens and reflector should be cleaned periodically to insure optimum lighting performance. To clean, remove and wipe the reflector, then the lens with a clean, damp, soft cloth. If this is not sufficient, use a household spray glass cleaner. DO NOT use abrasive cleaners, they will damage the transmittance of the lens or the reflectivity of the reflector.

REPLACEMENT PARTS

FVS compact fluorescent fixtures are designed to provide years of reliable lighting performance. Contact your Crouse-Hinds distributor, Crouse-Hinds Sales Representative or the Crouse-Hind Sales/Service department, PO Box 4999, Syracuse, NY 13221, phone (315) 477-7000, fax (315) 477-5717 for replacement parts

Replacement Lens Assembly
(includes Fast-Latch™ system)FVS-K1

Replacement lamps and ballasts are also available through your Crouse-Hinds distributor.

LAMP TYPE:

40 watt single-ended twin tube

General Electric cat. no. F40BX/SPX35/RS

Osram Corporation cat. no. DULUX L 40W/35K/RS

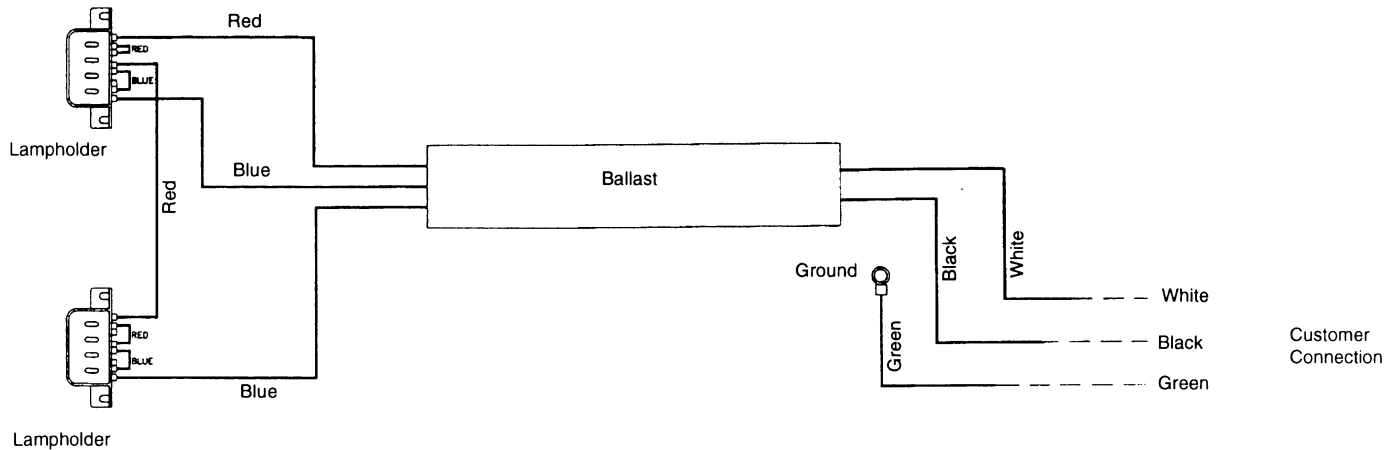
Phillips Lighting cat. no. PL-L 40W/35

NOTE: Other color temperature lamps are available. Consult lamp manufacturer for ordering information.

BALLASTS (electronic):

120VAC 50/60Hz - Magnetek C2401120RH

WIRING DIAGRAM



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 therewith.