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

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.

Fixtures 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/ latch
   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.

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 CHSUNH 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).

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

WARNING
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.

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 lamp holder before snapping each lamp into support clips attached to reflector.

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.
2. Carefully remove lamps from fixture. . Remove lens assembly during relamping.
3. Repeat steps 1-4 listed under lamp installation.
4. Push up on lens and snap all four latches into place.
5. Fixture assembly and installation is complete.

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.

FIXTURE WIRING

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

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. 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.

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.

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

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.)
CORNER MOUNT (wall to ceiling)

CAUTION
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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.

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.

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.
2. Carefully remove lamps from fixture housing. Remove lens assembly during relamping.
3. Repeat steps 1-4 listed under lamp installation.

REPLACEMENT

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

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

CAUTION
Use only size and wattage lamps as specified on nameplate.

Fixture Wiring

CAUTION
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 compliance 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.
REPLACEMENT PARTS
FVS compact fluorescent fixtures are designed to provide years of reliable lighting performance. Contact your Crouse-Hinds distributor, Crouse-Hinds 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. F40SW/SFX35/RS
Osram Corporation cat. no. DULUX L 40W/35K/RS
Philips 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.

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