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. F40BX/SPX35/RS
Osmam 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 C240120RH

WIRING DIAGRAM

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 adjustable wall, ceiling, beam or pole top mounting (with SF68 slip fit adapter) by ordering an FVS-K5 Trunnion Kit.

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

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 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 complete line of fixture hanger accessories).
**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.

**CAUTION**
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.

5. 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.

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.

2. Carefully remove lamps from fixture... as specified on fixture nameplate.

3. Repeat steps 1-4 listed under lamp installation.

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

**CAUTION**
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.

**CAUTION**
All unused conduit openings must be plumbed. 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.

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

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**

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.

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.

2. Push up on lens and snap all four latches into place.

3. Fixure 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.

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.

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

**CAUTION**
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.

**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).

**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.

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**REPLACEMENT PARTS**

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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. F40EX/SPX35RS
- 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**

![Wiring Diagram Image]

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**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.

**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/ 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).

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**WARNINGS**

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

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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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