

SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE

APPLICATION

EVTL Task Lights are suitable for use in Class I*, Groups B, C, D, and Class II*, Groups E, F, G hazardous (classified) locations as defined by the National Electrical Code®. The EVTL is also suitable for UL595 Marine and UL1570 Wet locations. Refer to nameplate for specific classification information and operating temperature (T) rating.

The EVTL comes in two mounting arrangements, bracket mount (EVTL1B50) and leg mount (EVTL1L50). The leg mount is used primarily for site glass applications.

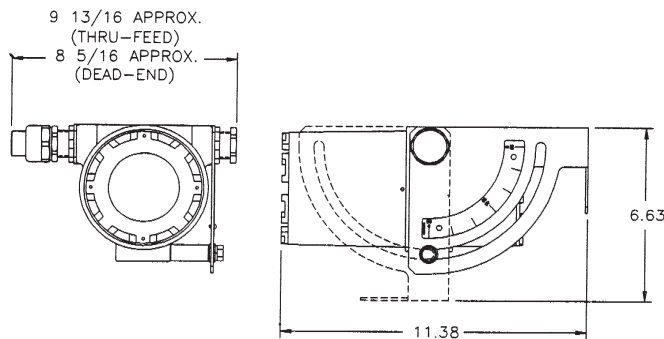
Read and follow these instructions carefully for installation and maintenance to achieve optimum performance.

WARNING

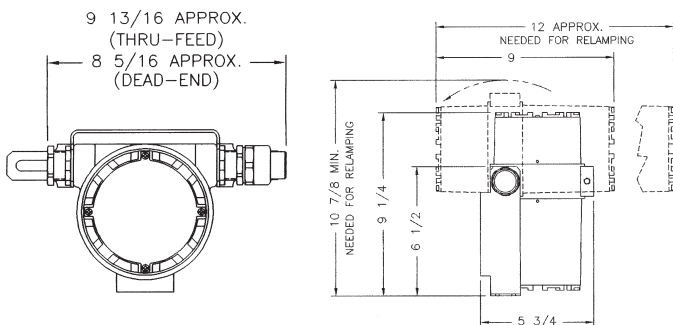
To avoid the risk of fire and electric shock, this product is to be installed by a qualified electrician only.

*Class I rating is limited to applications where the fixture mounting, lamp base pointed up, does not exceed 90° from vertical. Class II rating is limited to applications where the fixture mounting, lamp base pointed up, does not exceed 45° from vertical.

DIMENSIONS - BRACKET MOUNT



DIMENSIONS - LEG MOUNT

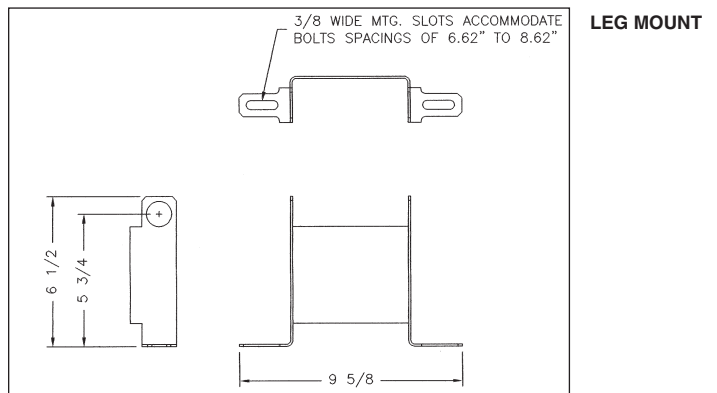
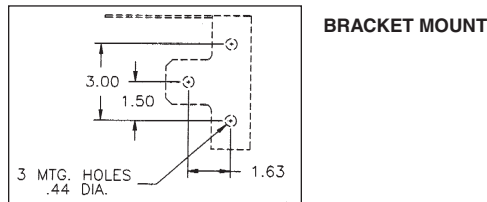


MOUNTING METHODS

⚠ WARNING

- To avoid explosion, power must be **OFF** before and during installation and maintenance.
- To avoid excessive operating temperatures and explosion, maintain allowable angles on nameplate for Class I and Class II hazardous (classified) areas.
- To avoid explosion, do not install the fixture where the marked operating temperatures exceed ignition temperatures of hazardous atmospheres.
- To avoid explosion and light failure, proper field wiring as specified on fixture nameplate must be used.

- Select a mounting location and securely fasten assembled fixture in place using 3/8-16 bolts for bracket mount, or 5/16-18 bolts for leg mount (bolts are not provided). Bracket and leg mounting bolt patterns and sizes are shown below.



- If additional bolt clearance is necessary, the bracket or leg mount can be detached by removing the plug and union. After mounting is secured per step 1, reinstall light fixture using plug and union, noting location where power will enter fixture.
- Adjust light fixture to desired angle, observing the maximum allowable angles as shown on nameplate.

⚠ WARNING

To avoid explosion, tighten plug and union to 300 in. lbs. as per Step #4.

- Back off inner adjustment locknuts. Tighten plug and union to 300 in. lbs.

- Now tighten inner adjustment locknuts to 250 in. lbs. (and 5/16-18 hex locking bolt to 60 in. lbs. for EVTL bracket mount fixture). Fixture should now be secure in angular position.

⚠ WARNING

For Class I, Groups B, C, D atmospheres, conduit sealing fittings are required in all conduit runs exceeding 5 feet in length.

- Connect to conduit system in accordance with the National Electrical Code.**
- Back off set screws of lamp base end of fixture (with label) and unthread cover to expose wire terminals. Pry lugs are provided on the cover to assist removal. Carefully set aside cover to prevent damage to threads.
- Pull supply wire into fixture housing, making sure wire meets minimum wire temp ratings stated on fixture nameplate.
- Connect incoming conductors to fixture terminal block and grounding screw using methods that comply with the National Electrical Code.

⚠ WARNING

To avoid dangerous electrical shocks, use fixture only on grounded system. Make sure that supply voltage is the same as marked on fixture nameplate.

- Carefully rethread cover onto fixture housing until cover flange contacts housing face and tighten set screws to 3 in. lbs. See WARNING below.

⚠ WARNING

To avoid explosion, use care to prevent dirt or other foreign material from lodging on threads. If any such material settles on threads, clean them with kerosene or mineral spirits†, then re-lubricate with Crouse-Hinds Type HTL thread lubricant.

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

LAMP INSTALLATION AND LAMP REPLACEMENT

⚠ WARNING

To avoid explosion and possible light fixture failure, use only lamp type and wattage specified below and on nameplate.

- Depending on mounting installation, it may be necessary to rotate fixture to allow clearance to remove glass lens cover on fixture. This may be achieved by loosening inner locknuts on bracket or leg mount and/or loosening the union on the fixture.
- Back off set screws of lamp end of fixture (with glass lens) and unthread cover to expose lamp socket. Pry lugs are provided on the cover to assist removal. Carefully set aside cover to prevent damage to threads and glass lens.
- Install lamp. The EVTL is for use with a medium based 50W PAR20, 120V lamp. Suggested lamps are as follows:

** EVTL is furnished for dead-end conduit entry. If thru-feed conduit entry is desired, order Crouse-Hinds union hub EVTL-TF1 to replace hub plug.

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.

GENERAL ELECTRIC:

50PAR20/2NFL/H (Narrow Flood)

OSRAM/SYLVANIA:

50PAR20/CAP/NFL (Narrow Flood)

50PAR20/CAP/NSP (Narrow Spot)

PHILIPS:

50PAR20/HAL/NFL30 (Narrow Flood)

50PAR20/HAL/NSP9 (Narrow Spot)

- Carefully rethread cover onto fixture housing by hand until cover flange contacts housing face and tighten set screws to 3 in. lbs. See WARNING below.

⚠ WARNING

To avoid explosion, use care to prevent dirt or other foreign material from lodging on threads. If any such material settles on threads, clean them with kerosene or mineral spirits†, then re-lubricate with Crouse-Hinds Type HTL thread lubricant.

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

REPLACEMENT PARTS

EVTL Lighting fixtures are designed to provide years of reliable lighting performance. However, should the need for replacement parts arise, they are available through your Crouse-Hinds Distributor. Assistance may also be obtained through your Crouse-Hinds Sales Representative or the Sales/Service Department, PO Box 4999, Syracuse, NY 13221, Phone: (315) 477-7000, FAX: (315) 477-5717.

MAINTENANCE

⚠ WARNING

To avoid explosion, 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 on 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.