

ELG Light Gauge

Installation & Maintenance Information

IF 1153

SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE

APPLICATION

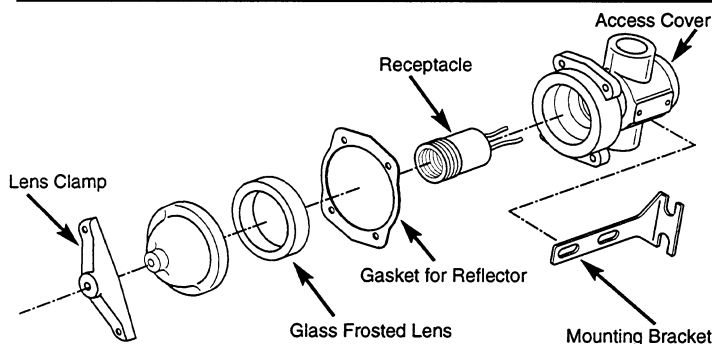
ELG gauge lights are designed to illuminate liquid level gauges in Class I, Groups C, D hazardous (classified) locations as defined by the National Electrical Code.

Refer to nameplate for specific classification information and operating temperature (T) rating.

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

⚠ WARNING

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



2. Remove lamp cover assembly.
3. Remove 2 hex nuts from studs and 2 hex cap screws.
4. Remove reflector retaining ring and reflector gasket.
5. Install reflector with long straight side facing gauge.
6. Replace reflector gasket and reflector retaining ring.
7. Install hex nuts and hex screws. Tighten snugly.
8. Install glass lens. Stretch reflector gasket over glass lens keeping reflector gasket from getting stuck between glass lens and cast surface.

INSTALLATION

The Crouse-Hinds EGL Gauge Light is shipped less reflector and with glass lens packaged separately in the same carton.

- Install reflector and glass lens first.
- Then complete the installation by mounting & wiring the EGL.

⚠ WARNING

- To avoid explosion, power must be OFF before and during installation and maintenance.
- 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.
- To avoid explosion, do not scratch machined joints on lamp cover and fixture housing or chip, crack or scratch the glass lens ring as they are part of an explosionproof joint.
- To avoid explosion, use care to prevent dirt or other foreign material from lodging on threaded or machined joints. If any such material settles on threaded or machines surfaces, clean them with kerosene or mineral spirits. Then re-lubricate with Crouse-Hinds Type HTL thread lubricant.

◊ To avoid the possibility of an explosion, oxidation and corrosion do not use gasoline or similar solvents

⚠ WARNING

- To avoid explosion, do not scratch machined joints on lamp cover and fixture housing or chip, crack or scratch the glass lens ring as they are part of an explosionproof joint.
- To avoid explosion, use care to prevent dirt or other foreign material from lodging on machined (ground) joints. If any such material settles on machined surfaces, clean them with kerosene or mineral spirits. Then re-lubricate with Crouse-Hinds Type HTL thread lubricant.

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

9. Install lamp. The ELG task light uses 120V medium screw base "A19 Style" incandescent lamps.

Suggested lamps are as follows:

Manufacturer	Catalog Number		
	25 Watt	52 Watt	58 Watt
General Electric	25A	60A/52WMP/98	
Osram/Sylvania	25A	60A/52/SS/XL	58A19/62
Phillips	25A	60A-52A/99/EW	

10. Replace lamp cover assembly, wing nuts and washers on studs.
11. Tighten evenly so ends of lens clamp are equal distance from reflector.

REFLECTOR, GLASS AND LAMP INSTALLATION

1. Remove wing nuts and washers from studs.

ELG GAUGE LIGHT INSTALLATION

1. With reflector, lamp & lens installed, locate where on gauge the ELG Gauge Light is to be installed.
2. Rigidly fasten fixture to gauge using supplied bracket.
3. Bracket accommodates two 1/2" diameter bolts spaced 15/16-15/8" on center.
4. If bracket removal is necessary to facilitate fastening:
 - Loosen & remove the two bracket hex nuts & washers.
 - Remove the bracket from the ELG Gauge Light.
 - Fasten the bracket using 1/2 inch bolts.
 - Reattach the ELG Gauge Light to the bracket by reversing the removal procedure.
5. Connect to conduit system in accordance with the National Electrical Code. A properly sized Crouse-Hinds ECLK flexible fitting will meet this requirement.
6. In single feed (dead end) applications, plug unused conduit entry with 1" explosionproof conduit (PLG3) provided.
7. Make final mounting adjustments with the slotted holes where the gauge attaches to the mounting bracket. Tighten securely all mounting hardware.
8. Remove access cover and pull supply wire into fixture housing. Use supply wire that meets minimum wire temperature rating stated on fixture nameplate.
9. Connect incoming conductors to fixture wire leads using methods that comply with the National Electrical Code.

WARNING

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

WARNING

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

\diamond To avoid the possibility of an explosion, oxidation and corrosion, do not use gasoline or similar solvents.

10. Carefully rethread access cover into fixture housing and tighten securely.

LAMP REPLACEMENT

WARNING

- To avoid explosion, power must be OFF before and during lamp installation.
- To avoid explosion and possible light fixture failure, use only lamp type and wattage specified below and on nameplate.

1. Loosen wings nut on studs sufficiently to swing lamp cover assembly to the side to gain access to the lamp.

WARNING

- To avoid explosion, do not scratch machined joints on lamp cover and fixture housing or chip, crack or scratch the glass lens ring as they are part of an explosionproof joint.

2. Install Lamp. For lamp type see installation instructions.
3. Replace lamp cover assembly.

WARNING

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

\diamond To avoid the possibility of an explosion, oxidation and corrosion, do not use gasoline or similar solvents.

4. Tighten wing nuts. Lens clamp ends must be equal distance from reflector. Flat washer must be between wing nut and lens clamp.

REPLACEMENT PARTS

The ELG Gauge Light lighting fixture is 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 Customer Service Department, P.O. Box 4999, Syracuse, NY 13221-4999, Phone: (315) 477-5531 or 477-5536, FAX (315) 477-5590 or 477-5179.

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 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 therewith.