INSTRUCTION MANUAL
26W Explosion Proof Emergency Floodlight

Do not attempt installation until you are familiar with all warnings, precautions, and procedures outlined within this instruction sheet.

INSTALLATION PRECAUTIONS

- Do not install fixture in any classified location where the marked operating temperature exceeds the ignition temperature of the hazardous atmospheres. Consult fixture nameplate for the suitability ambient temperature shown on the nameplate. Refer to fixture nameplate for minimum supply wire temperature rating.
- Verify that the supply voltage agrees with fixture rating as indicated on nameplate. All local and national electrical/building codes must be followed when installing this lighting fixture. For code interpretation, consult your local authority. Product must be used only with lens intact and all cap threads fully engaged. Do not use if lens is cracked or damaged.

INSTALLATION

We strongly recommend that only a licensed electrician install this product.

WARNING: *Make sure that the power is disconnected before installing. This equipment is heavy and must be mounted to a surface that can structurally support the load.*

- Mounting this light consists of a ½" threaded die-cast aluminum arm.
- Install the fixture via this mounting arm to surface.

Check fixture nameplate for proper voltage!

Voltage: 120-277V AC 50/60Hz

WIRING

1. Install approved cable connector or conduit fitting into EYS NPT hub on field wiring compartment.
2. Wire battery backup box according to labeled wires and wire diagram.
3. When opening battery box, make sure there are no wires protruding that maybe pinched causing a possible short circuit when closing.
4. See EYS installation on next page
5. See Emergency Backup Ballast operation on page 3.

***Also refer to Wire Diagram**

OUTPUT TO LIGHT		
Orange/Black		Neutral to Light
Yellow/Black		Hot to Light
Green		Ground

INPUT TO BATTERY BOX		
White		Neutral
White/Red		Switch Leg
Black		Hot
Green		Ground

ENABLE BATTERY BACKUP		
White		Connect together for Battery
Red		

Violet (+)		Dimming
Brown (-)		

MOUNTING LIGHT

1. Seal arm thread using teflon tape or silicone sealant.
2. Secure the LED Flood to a 1/2" NPS hole in a junction box or landscape post.
3. Plug all unused holes and seal threads with silicone.
4. The swivel arm on the LED Flood allows 140º - 150º of vertical aiming adjustment depending on mounting location.

MOUNTING BATTERY BOX

Find a suitable location to mount battery box that can support the weight. Battery box can be held in place via conduit pipe or with mounting brackets (sold separately).

EYS INSTALLATION / SEALING COMPOUND

HAZARD WARNINGS: May cause irritation to eyes and skin. Inhalation dust is considered a nuisance dust. Avoid physical contact by wearing appropriate gloves and dust goggles. If powder gets into eyes, flood immediately for 15 minutes with water. Wash hand thoroughly with soap and water after handling.

Mix 2 parts Sealing Compound to 1 part clean water. Mix thoroughly. Do not mix more than can be used in 15 minutes. Use cold water as warm water accelerates set.

Vertical Installation:

Seal fitting is installed with the small access plug in the up position. Both access plugs are removed after conductors are installed. Damming fiber is installed through the lower access port into the lower portion of the fitting body. Care must be taken to insure the fiber fills all voids around each conductor, as well as between conductors and the wall of the seal fitting body. Replace the lower (large) access plug. Mix compound according to manufacturer instructions and pour through the upper (smaller) access port until compound reaches the base of the access port threads. Replace remaining plug in upper access port. Both plugs are to be made up with five threads engaged and wrench tight.

Horizontal Installation:

Seal body is installed with both access plugs in the up position. Both access plugs are removed after conductors are installed. Damming fiber is installed through the large access port into both ends of the seal fitting body to allow sealing compound to flow to the required thickness (Table A). Care must be taken to insure the fiber fills all voids around each conductor, as well as between conductors and the wall of the seal body.

Replace the small access port plug. Mix compound according to manufacturer instructions and pour through the large access port until compound reaches the base of the access port threads. Replace large plug. Both plugs are to be made up with five threads engaged and wrench tight.

Class I Group A & B Installations:

Vertical Installation:

Sealing compound is to be mixed at ambient temperature above 40°f. / 4°c. and poured into fitting with body temperature not below 40°f. / 4°c. Ambient temperature (of fitting) must not drop below 40°f. / 4°c. for 72 hours. Compound must cure for 72 hours before circuits are placed into service.

Horizontal Installation:

Sealing compound is to be mixed at room temperature, and poured into fitting at room temperature. Ambient temperature of fitting must remain at room temperature for 72 hours. Compound must cure for 72 hours before circuits are placed into service.

Class I Group C & D Installations:

Sealing compound is to be mixed at ambient temperature above 35°f. / 2°c. and poured into fitting with body temperature not below 35°f. / 2°c. Ambient temperature (of fitting) must not drop below 35°f. / 2°c. for 8 hours. Compound must cure for 8 hours before circuits are placed into service.

EMERGENCY BACKUP BALLAST OPERATION

During normal operation, AC power is supplied to the ballast through the backup micro inverter and the inverter charges the battery. Connecting the inverter wires (red and white) enables the emergency circuit and supplies power to the control/monitor circuit. The backup micro inverter detects AC input voltage and automatically sets the output voltage during emergency operation. When AC power fails, the backup micro inverter automatically switches to emergency mode, keeping the load illuminated for a minimum of 90 minutes. When AC power is restored, the backup micro inverter returns to charge mode to recharge the battery. The backup micro inverter consists of a low battery voltage disconnect which is reset when AC power is restored. The unit can also detect an abnormal load condition (open or shorted load) during emergency mode operation and will protect the inverter from damage.

MAINTENANCE

The enclosure and light should be inspected at regular intervals. A visual inspection should ascertain that all cover bolts are still tight; that all conduit connections are intact and free of corrosion, and that the enclosure mounting bolts are tight and in good condition.

If the enclosure must be opened for servicing, to check or replace internal devices and apparatus, the following procedures should be followed:

WARNING: Before servicing the enclosure, be sure the electrical power is OFF. Disconnect the enclosure from the primary power source and lock-out.

Loosen cover bolts. Replace any corroded, bent or otherwise damaged bolts with new, factory authorized bolts obtained from an authorized distributor. Open enclosure. Do not use hammer, screwdriver or any prying tool to open cover.

Inspect machined, flame joint flange surfaces. Surfaces must be smooth, free of nicks, scratches, dirt or any foreign particle build-up that would prevent a proper seal. Should surface be damaged, contact factory. Never attempt to rework surfaces by sanding, grinding, etc. Surfaces must seat fully against each other to provide a proper explosion-proof joint.

REPLACEMENT PARTS

The HAL-EMG-KNL-26W-LED is designed to provide years of reliable lighting performance. Should the need for replacement parts arise, please contact Larson Electronics at the contact information below.

Should further information not covered by these instructions be required, please contact Larson Electronics at 1-800-369-6671 or sales@larsonelectronics.com for further assistance.

Please visit LarsonElectronics.com for **Warranty** and **Return** information.