

Installation Instructions for RG-1 Recessed Gimbal Emergency Light

IMPORTANT SAFEGUARDS

READ AND FOLLOW ALL SAFETY INSTRUCTIONS.

CAUTION: Basic safety precautions should always be followed when using electrical equipment.

Do not use outdoors.

Do not use in hazardous environments.

Do not use this equipment for other than its intended purpose.

Do not mount equipment in locations or at heights where it will be subjected to tampering by unauthorized personnel.

The use of accessory equipment not recommended by *Sure-Lites*, may cause an unsafe condition.

SAVE THESE INSTRUCTIONS.

INSTALLATION OF RG-1 RECESSED GIMBAL EMERGENCY LIGHT

New Construction — Joist-type Ceiling

- Step 1.** Insert bar hangers into the slots on the plaster frame. Position bar hangers so that nail-in tabs point away from housing or point down to ceiling.
- Step 2.** Extend bar hangers to fit between joists. Position fixture temporarily by hammering nail-in tabs into joists.
- Step 3.** Secure bar hangers permanently into joists with nails (not included). Hangers should be level with bottom of joists.

New Construction — Suspended (T-Bar) Ceiling

- Step 1.** Insert bar hangers into the slots on the plaster frame. Position bar hangers so that nail-in tabs point away from housing or point down to ceiling.
- Step 2.** Extend bar hangers 1" past T-bars and rest fixture on T-bars.
- Step 3.** Secure fixture to T-bars by using wire (not included). Locate center of ceiling tile and cut a 7 3/8" diameter hole.

Electrical Connection

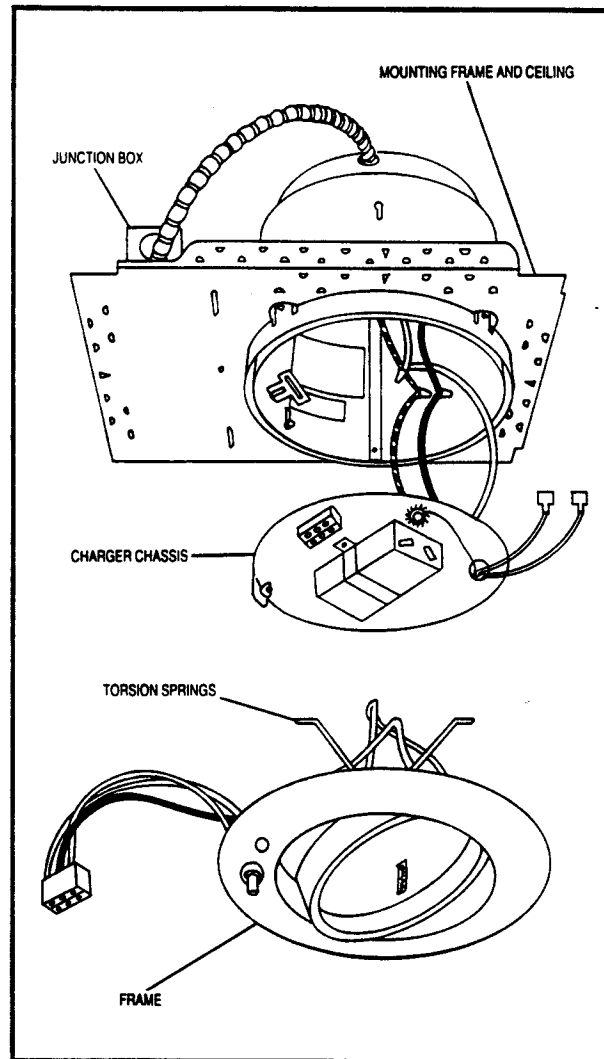
- Step 1.** Provide electrical service according to local code from a suitable junction box, to the pre-wired junction box located on the plaster frame. Remove junction box covers. Remove knockouts on junction box to accommodate conduit.

- Step 2.** Connect supply wires per schematic:

Orange	277 VAC
Black	120 VAC
White	Neutral
Bare Copper	Ground

Be certain to insulate unused black or orange wire.

Connect ground copper wire from junction box to green ground wire from electrical service. Splice wires together and secure with wire nut. Ground unit in accordance with local code.



- Step 3.** Place all wiring connections into the junction box. Replace junction box covers.

- Step 4.** Connect the respective plugs from the lamp, pilot light and battery.

- Step 5.** Install trim by inserting legs of butterfly spring into slots in brackets attached to housing.

- Step 6.** Turn on AC power. Pilot light will illuminate.

HL-670

MAINTENANCE Replace batteries every 12 to 15 years according to ambient. Equipment should be tested regularly in accordance with local codes.

NOTE Servicing of any parts should be performed by qualified service personnel.

OPERATION

1. To test, depress test switch. Charge indicator will go out and DC lamps will come on.
2. Release test switch. DC lamps will extinguish and charge indicator will come on.
3. A bright charge indicator indicates high charge. After the battery has reached full charge, the indicator light will dim.

CAUTION The RG-1 Recessed Gimbal Emergency Light is furnished with a sophisticated low voltage battery dropout circuit to protect the battery from over discharge after the useful output has been reached.

Allow 24 hours recharge time after installation or power failure for full load testing.

TROUBLESHOOTING GUIDE

EMERGENCY LAMP DOES NOT COME ON — PILOT LIGHT OUT BEFORE TEST:

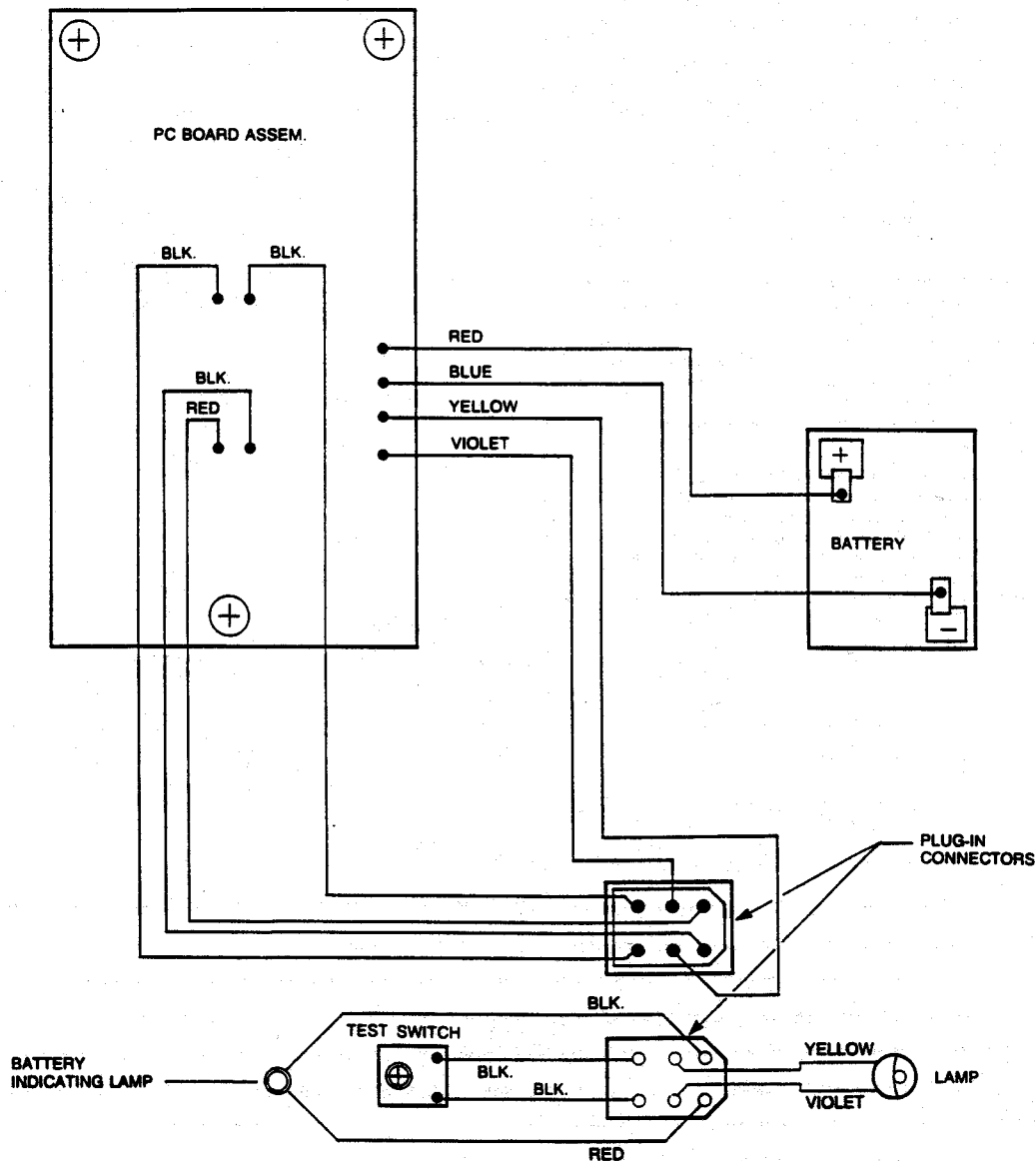
1. Check AC supply. Be certain that unit has 24 hour AC supply.
2. AC supply on. Pilot light out. Replace pilot light which is critical to charge circuit.
3. Pilot light on. Lamps do not light. Either output shorted or battery not connected.

EMERGENCY LAMPS COME ON DIM:

1. Battery discharged. Permit unit to charge for 24 hours and then retest. If lamp is still dim, check charger for charger function, if functioning properly, replace battery.

If following the above trouble shooting hints does not resolve your problem, contact your local Sure-Lites Representative or consult the factory for assistance.

SCHEMATIC



HALO LIGHTING

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