



INSTALL AND USE THIS LUMINAIRE FOLLOWING THE NATIONAL ELECTRICAL CODE, YOUR LOCAL ELECTRICAL CODE AND REGULATIONS.

### PREPARATION:

- 1). Read and understand instructions completely before installing this luminaire. If you are unfamiliar with electrical wiring have a qualified licensed electrician install this luminaire.
- 2). Before proceeding the installation, be sure that the ceiling construction follows the proper requirements. See (FIG. A) as per your reference.

### CAUTION!

Ceiling insulation must be kept a minimum of 3" away from the sides of the housing. No insulation allowed on the top. Install housing at a minimum of 1/2" away from combustible material such as wooden ceiling joists, sub-flooring or roofing. (FIG. A)

### INSTALLING LUMINAIRE HOUSING:

- 1). Install recessed housing by spreading hanger bars (supplied) and secure to ceiling joists. Make sure the bottom of housing is flush (level) with joists, in order for the plaster trim ring flush with ceiling surface. Trim ring is set for 5/8" ceiling thickness, adjust trim collar to applicable ceiling thickness by aligning and fastening to housing ring using three flat-head machine screws (provided). To adjust trim ring, turn it clockwise and select the hole pattern as marked on collar, (see FIG. A).
- 2). Install ceiling drywall up to trim ring, in order to be able to install drywall and pass through the trim ring a 5-7/8" diameter hole must be cut, (see FIG. A). The hole must be cut accurately, thus it is recommended to use an adjustable round hole cutter for this job. This device is available at Liton Lighting, part # LW6000.

NOTE: Make sure the trim ring is flush with ceiling surface before applying plastering compound.

- 3). Apply tape and plastering compound around the trim ring and smooth it away on drywall area to create a smooth circular and clean finish with the ceiling, (see FIG. B).
- NOTE: Clean any plastering compound left into the trim collar opening, then the luminaire trim may install properly into the trim collar to produce a smooth finish flush to ceiling, (see FIG. C)
- 4). For reference on final Installation with multiple ceiling thickness please see FIG. D.

### ELECTRICAL CONNECTIONS:

- 1). **WARNING-** Before starting the wire connections, disconnect the power by turning off the circuit breaker or removing the fuse at the fuse panel. Turning the power off using the light switch is not sufficient to prevent electrical shock.
- 2). This luminaire must be connected with supply wire rated at 90°C. Most dwellings built before 1985 have supply wire rated at 60°C; consult a qualified electrician before installing.
- 3). Connect the power source to the luminaire junction box. Connect the black wire to the black wire of the power source, the white wire to the white wire of the power source and Connect the green ground wire to the green ground wire of the power source using twist type wire connectors (by others) suitable for the size, type and number of wires.
- 4). After completing the wiring (be sure the wires are placed within the wiring box), snap wiring box cover closed.

### TO INSTALL LAMP:

- 1). Install lamp into the lamp ring, (see FIG. C). Make sure lens is in place and select proper lamp (see lamp maximum wattage label inside of the housing).

**WARNING-DO NOT EXCEED MAXIMUM WATTAGE** for the lamp shown on the label.

- 2). Insert Luminaire trim into the trim collar as shown in FIG. C & D.