

## **Assembly Instruction for LC2-BM-2-14, LC2-BM-2-14-WG6 (R,Y,G,B)**

**SUBASSEMBLY / PACKAGE CONTENTS:** LC2-BM-2-14 (white LED), LC2-BM-2-14-WG6 (white LED with Wago connector), LC2-BM-2-14-(R,Y,G,B)-() (red or yellow or green or blue LED)

- O-Ring, 2 3/8 inch
- Nut, Mounting, 2 3/8 inch
- Nut, Flange, grey, 2.5 inch
- Wago connector, 6 position, with wires
- Drawing LC2-BM-2-14

### **PROCEDURE:**

- 1) Prepare mounting hole in instrument housing, as required, with 2 3/8" diameter carbide cutter (not provided, GEMS Part Number IL-CHC2), remove burrs.
- 2) Begin disassembly of package from rear. Remove grey flange nut.
- 3) Remove LED subassembly from lens.
- 4) Unscrew 2 3/8" flange nut from lens.
- 5) Prepare 2.4"-2.5" mounting hole in the building at desired location if one is not present.
- 6) Insert lens into hole aligning it so the rib on the rim of the lens is at the top position and the two fish-eye lens are in a horizontal position.
- 7) Secure the lens in position using the 2 3/8" mounting nut and seal the O-Ring against the outside of the building. Note: Attach warning labels as required.
- 8) Insert the LED subassembly unit into the lens aligning the hole in the washer with the alignment pin on the bottom of the lens.
- 9) Hold the unit in place by finger tightening the grey socket flange nut, usually about one turn onto the back of the lens.
- 10) Check LED assembly outside of the lens surface to assure the LEDs are visible through the fish-eye lens.
- 11) Attach the two blue wires of the unit across 110 or 220 VAC 60 Hz. If Wago connector used, follow drawing instruction WD LC2-BM-2-14.
- 12) Attach the red wire to the "plus" side of the battery bus, 12 VDC nominal. and the black wire to the "minus" side of the battery bus (SYSTEM GROUND). If Wago connector used, follow drawing instruction WD LC2-BM-2-14.
- 13) Attach the purple wire to the "plus" side of the VDC, and the green wire to the "minus" side of the VDC. If Wago connector used, follow drawing instruction WD LC2-BM-2-14.
- 14) Reference Outline Drawing Notes 9,10,11 LC2-BM-2-14 for operational performance.

## INSTALLATION DRAWING WD LC2-BM-2-14

