

LED INTERIOR RETAIL CEILING LIGHT (CIRU)

US patents 8382334, 8215799, 7952293 and US & Int'l. patents pending.

SMARTTEC™ ENERGY SAVING FEATURES

THERMAL CONTROL - LSI drivers feature integral sensor which reduces drive current, when ambient temperatures exceeds rated temperature.

HOUSING - Low profile, durable die-cast, aluminum construction, providing a reliable weather-tight seal.

LEDS - Features a choice of two arrays of select, mid-power, high brightness, high efficiency LED chips; CW - 5300°K color temperature, 70 CRI (nominal) or NW - 4100°K color temperature, 80 CRI (nominal).

DRIVE CURRENT - Choice of Low Wattage (LW), Mid Wattage (MW), Super Saver (SS), High Output (HO), or Very High Output (VHO).

OPTICS / DISTRIBUTION - Available with (SC) standard ceiling distribution, which directs light through a clear tempered glass lens, to provide a uniform distribution of light to vertical and horizontal surfaces.

OPTICAL UNIT - Features an ultra-slim 3/4" profile die cast housing, with a clear tempered glass lens. Unit is water-resistant, sealed to an IP67 rating. Integral designed heat sink does not trap dirt and grime, ensuring cool running performance over the life of the fixture.

PRESSURE STABILIZING VENT - Luminaire assembly incorporates a pressure stabilizing vent breather to prevent seal fatigue and failure.

DRIVER - State-of-the-art driver technology superior energy-efficiency and optimum light output. LSI driver components are fully encased in potting for IP65 moisture resistance. Complies with IEC and FCC standards.

DRIVER HOUSING - Fabricated aluminum, driver/electrical enclosure is mounted to back of optical assembly to provide easy "knock-out" connection of primary wiring.

OPERATING TEMPERATURE - -40°C to 40°C (-40°F to +104°F)

ELECTRICAL - Voltage specific power supply, 120-277 VAC, 50/60 HZ input. LSI drivers meets IEEE C62.41.2-2002, Scenario 1, Location Category C.

FINISH - Standard color is white and is finished with LSI's DuraGrip polyester powder coat process. DuraGrip withstands extreme weather changes without cracking or peeling.

INSTALLATION - Pre-assembled standard unit installs in interior T-bar grid ceiling applications via a choice of 2x2 mounting pan or flange kit. Mounting pan includes earthquake clips to secure fixture in grid ceiling. Accessory flange kit available for installing in drywall or plaster. Low profile design requires only 12" minimum clearance.

SHIPPING WEIGHT - 20 pounds.

EXPECTED LIFE - Minimum 60,000 to 100,000 hours depending upon the ambient temperature of the installation location. See LSI web site for specific guidance.

WARRANTY - Limited 5-year warranty.

LISTING - UL listed to UL 1598, UL 8750 and other U.S. and International safety standards. Suitable for damp locations.

PHOTOMETRICS - Applications layouts are available upon request.



| LIGHT OUTPUT - CIRU | | | | |
|---------------------|------------------------|--------|-------|-----|
| | | Lumens | Watts | LPW |
| Cool White | LW - Low Watt | 8,438 | 76 | 111 |
| | MW - Mid Watt | 11,642 | 103 | 113 |
| | SS - Super Saver | 13,638 | 129 | 106 |
| | HO - High Output | 17,001 | 149 | 114 |
| | VHO - Very High Output | 20,992 | 192 | 109 |

This product, or selected versions of this product, meet the standards listed below. Please consult factory for your specific requirements.



IP65



LUMINAIRE ORDERING INFORMATION

TYPICAL ORDER EXAMPLE: **CIRU SC LED HO NW 120 2x2 WHT DFL**

| Prefix | Distribution | Light Source | Drive Current | Color Temperature | Line Voltage | Mounting | Finish | Options |
|---|---------------|--------------|--|--|---|---------------------------------|-------------|---|
| CIRU- Crossover Interior Retail Ceiling | SC - Standard | LED | LW - Low Watt MW - Mid Watt SS - Super Saver HO - High Output ² VHO - Very High Output ² | CW - Cool White NW - Neutral White | 120 - 120V 208 - 208V 240 - 240V 277 - 277V 347 - 347V ³ | 2x2 - 2x2 T-bar Grid Ceiling | WHT - White | DIM - 0-10v Dimming ² DFL - Diffused Lens |
| EUR CIRU ⁵ - Europe Crossover Interior Retail Ceiling | | | | | | | | |

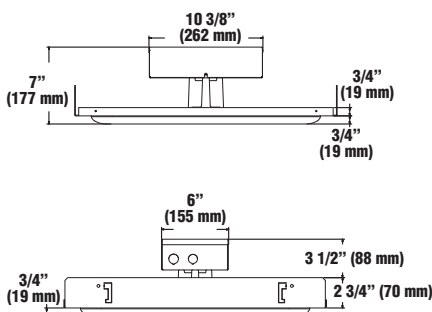
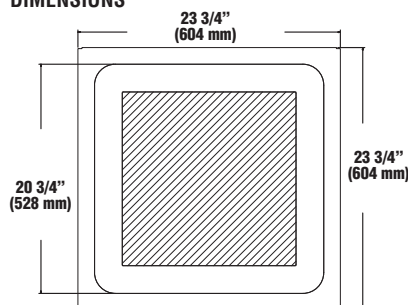
ACCESSORY ORDERING INFORMATION (Accessories are field installed)

| Description | Order Number |
|----------------|-------------------|
| 2x2 Flange Kit | FK22 ⁴ |

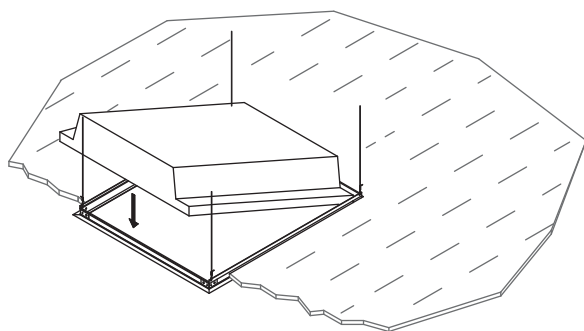
FOOTNOTES:

- 1 - Consult Factory
- 2 - 0-10v Dimming available. Consult Factory for MW drive current.
- 3 - 347 available in HO mA only.
- 4 - FK22 is used for mounting to Sheetrock or Drywall ceilings. It requires attaching via framing members or suspending from structure.
- 5 - EUR CIRU designed for export into European Countries and requires CE, TB, Weee & C/O labels. 600mm x 600mm dimensions.

DIMENSIONS



Requires minimum 12" clearance above ceiling for installation.



Flange Kit