

# LED AMBIENT CANOPY LIGHT (CRS)



CFKS & CFKL Accessories Are For Use on Canopies with Dry Plenums Only.

May be covered by the following: US patent D574994, 7828456, 8002428 & 8042968 and MX patent 29631 and ISRL 49679 and AUS 2008312668 and US & Int'l. patents pending

## SMARTTEC™ ENERGY SAVING FEATURES:

**THERMAL CONTROL** - Sensor reduces drive current when ambient temperatures exceeds rated temperature.

**LEDS** - Choose from three array choices, 64, 84 and 128, which feature select high brightness LEDs; 5300°K color temperature, 70 CRI (nominal).

**DRIVE CURRENT** - Super Saver (SS) - most economical and highest lumens per watt or High Output (HO) - highest output per initial dollar.

**OPTICS / DISTRIBUTION** - Available with (SC) Standard Canopy or (AC) Asymmetric Canopy distribution.

**OPTICAL UNIT** - Featuring an ultra-slim 1" profile, housing is die-formed aluminum with a clear tempered glass lens. Unit is water-resistant, sealed to an **IP67** rating. Patented integral single blade heat sink does not trap dirt and grime, ensuring cool running performance over the life of the fixture.

**THE INDUSTRY'S ONLY BREATHABLE SEAL** - Luminaire assembly incorporates a pressure stabilizing vent breather to prevent seal fatigue and failure.

**DRIVER** - State-of-the-art driver technology provides excellent system efficiency, control and protection. LSI driver components are fully encased in potting for **IP65** moisture resistance. Complies with IEC and FCC standards.

**DRIVER HOUSING** - Wet location rated driver/electrical enclosure is elevated above canopy deck to help prevent water entry and to provide easy "knock-out" connection of primary wiring.

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

**OPERATING TEMPERATURE** - -40°C to +50°C (-40°F to +122°F)

**ELECTRICAL** - Universal voltage power supply, 120-277 VAC, 50/60 Hz input. Two-stage surge protection (including separate surge protection built into electronic driver) meets IEEE C62.41.2-2002, Scenario 1, Location Category C, 10KV.

**INSTALLATION** - Installs in a 12" or 16" deck pan. Deck penetration consists of 5 drilled holes simplifying installation and water sealing. Unit is designed to retrofit into existing Scottsdale® (4") hole as well as openings for Encore® and Encore® Top Access and to reconnect wiring from the SC/ECTA without having to relocate conduit. Retrofit panels are available for existing Scottsdales and Encores (see back page) as well as kits for recessed and 2x2 installations (see separate spec sheets).

Fixture may also be used for Double Deck installations on metal canopies, in retrofit or new construction. This requires the use of Crossover Flange Kits (CFKL / S). Flange kit mounting requires cutting a square hole between canopy ribs and attaching via framing members or suspending from structure.

**SHIPPING WEIGHT** - 64/84 = 11 lbs., 128 = 13.6 lbs.

**EXPECTED LIFE** - Minimum 60,000 hours 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** - ETL and UL listed to UL1598, UL8750 and other U.S. and International safety standards. Suitable for wet locations.

**PHOTOMETRICS** - Application layouts are available upon request. Contact LSI Petroleum Lighting or [petroleum.apps@lsi-industries.com](mailto:petroleum.apps@lsi-industries.com)

Crossover LED Lighting

lighting facts®

A Program of the U.S. DOE

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**Light Output (Lumens)** 13594

**Watts** 155

**Lumens per Watt (Efficacy)** 88

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**Color Accuracy** 81

Color Rendering Index (CRI)

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**Light Color** 5320 (Daylight)

Correlated Color Temperature (CCT)

Warm White    Bright White    Daylight

2700K    3000K    4500K    6500K

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**Warranty\*\*** Yes

All results, except LED Lumen Maintenance, are according to IESNA LM-79-2008: Approved Method for the Electrical and Photometric Testing of Solid-State Lighting. The U.S. Department of Energy (DOE) verifies product test data and results.

\*\* See [www.lightingfacts.com/products](http://www.lightingfacts.com/products) for details.

Registration Number: KGGN-WT4SCA (8/8/2012)  
Model Number: CRS SC LED 64 700 CW UE  
Type: Canopy light

| LIGHT OUTPUT - CRS |           |                  |       |                  |       |
|--------------------|-----------|------------------|-------|------------------|-------|
| Description        | # of LEDs | SS - Super Saver |       | HO - High Output |       |
|                    |           | Lumens           | Watts | Lumens           | Watts |
| CRS SC LED         | 64        | 8202             | 75    | 13596            | 155   |
| CRS AC LED         | 64        | 7925             | 75    | 13198            | 155   |
| CRS SC LED         | 84        | 10747            | 97    | 14570            | 147   |
| CRS AC LED         | 84        | 10367            | 97    | 13959            | 147   |
| CRS SC LED         | 128       | 16374            | 145   | 19635            | 189   |
| CRS AC LED         | 128       | 16134            | 145   | 19399            | 189   |

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



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## LUMINAIRE ORDERING INFORMATION

TYPICAL ORDER EXAMPLE: **CRS SC LED 64 SS CW UE WHT**

| Prefix | Distribution                                   | Light Source | # of LEDs       | Drive Current                        | Color Temperature | Input Voltage                          | Finish      | Options  |
|--------|--|--------------|-----------------|--------------------------------------|-------------------|--|-------------|--|
| CRS    | SC - Standard Canopy<br>AC - Asymmetric Canopy | LED          | 64<br>84<br>128 | SS - Super Saver<br>HO - High Output | CW - Cool White   | UE - Universal Voltage<br>(120-277 AC) | WHT - White | IMS - Integral Motion Sensor <sup>1</sup><br>IPC - Integral Photocell <sup>1</sup> |

Note:

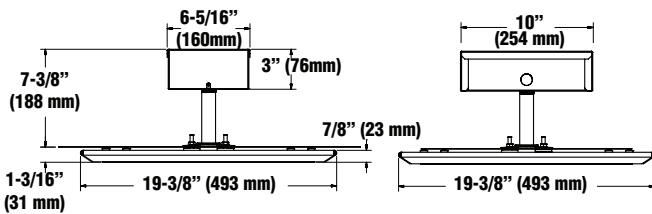
1- Consult Factory

| ACCESSORY ORDERING INFORMATION (Accessories are field installed) |              |  |                     |
|--|--------------|--|---------------------|
| Description  | Order Number | Description  | Order Number        |
| Retrofit Panel - SC to CRS, for 16" Deck Panel                   | 430951       | Retrofit RIC Cover Panel Blank (no holes)                            | 354702              |
| Retrofit Panel - EC / ECTA / SCF to CRS, for 16" Deck Panel      | 430765       | Kit - Hole Plugs and Silicone (enough for 25 retrofits) <sup>1</sup> | 1320540             |
| Retrofit Panel - SC to CRS, for 12" Deck Panel                   | 430797       | CFKL - Flange Kit Large  | 501647 <sup>2</sup> |
| Retrofit Panel - ECTA / SCF to CRS, for 12" Deck Panel           | 430759       | CFKS - Flange Kit Small  | 501533 <sup>2</sup> |
| Retrofit 2x2 Cover Panel Blank (no holes)                        | 357282       |  |                     |

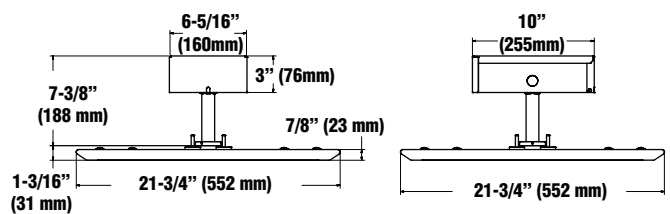
<sup>1</sup> Consists of (25) 7/8" hole plugs and (1) 10.3 oz tube of RTV  
<sup>2</sup> For use on canopies with dry plenums

## DIMENSIONS

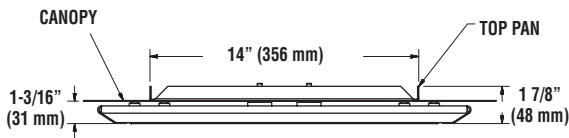
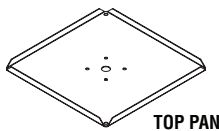
### AMBIENT 64/84



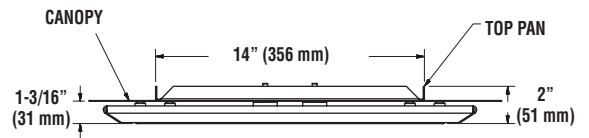
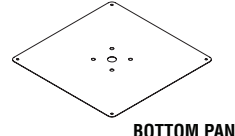
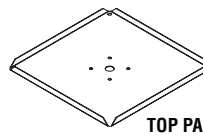
### AMBIENT 128



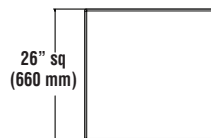
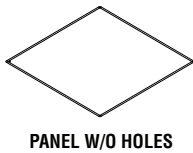
### 16" DECK RETROFIT PANEL - SC (#430951)



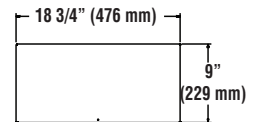
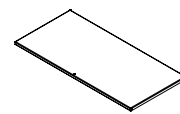
### 16" DECK RETROFIT PANELS - EC/ECTA/SCF (#430765)



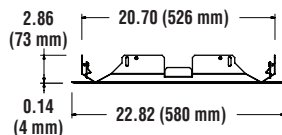
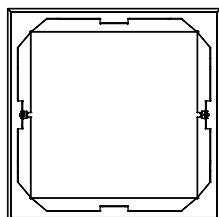
### 2X2 COVER PANEL BLANK (357282)



### RIC COVER PANEL (354702)



### CFKS 64/84 FLANGE KIT (501533)



### CFKL 128 FLANGE KIT (501647)

