

FIXTURE SPECIFICATION SHEETS - CFG 10.1

LED AMBIENT CANOPY LIGHT (CRS)



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

LED lighting facts
A Report of the U.S. Dept. of Energy

Light Output (Lumens) **13594**
Watts **155**
Lumens per Watt (Efficacy) **88**

Color Accuracy (Color Rendering Index, CRI) **81**

Light Color (ColorTemp, CCT) **5320 (Daylight)**

Warranty** **Yes**

Registration Number: 40264-WV1525A (R-01/12)
Model Number: CRS LED 120-277V AC
Type: Canopy Light

*** See www.lightingfacts.com/products for details.

LIGHT OUTPUT - CRS					
Description	# of LEDs	SS - Super Saver		HO - High Output	
		Lumens	Watts	Lumens	Watts
CRS SC LED	64	8002	75	13594	155
CRS AC LED	64	7929	75	13188	155
CRS SC LED	84	10247	97	14570	147
CRS AC LED	84	10267	97	13959	147
CRS SC LED	128	16274	145	19635	189
CRS AC LED	128	16134	145	19399	189



May be covered by the following: US patent 0374994, 7820456, 8002428 & 8042968 and MX patent 23631 and 48478 and AUS 200232668 and US & Int'l. patents pending

SMARTTEC™ ENERGY SAVING FEATURES:
THERMAL CONTROL - Sensor reduces drive current when ambient temperatures exceed 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/ECA without having to relocate conduct. Retrofit panels are available for existing Scottsdale 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 (CFK, /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

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



FIXTURE LABEL = B

LED AREA LIGHTS - AEROMAX™ MEDIUM (XAMU)



LED lighting facts
A Report of the U.S. Dept. of Energy

Light Output (Lumens) **14091**
Watts **135.5**
Lumens per Watt (Efficacy) **104**

Color Accuracy (Color Rendering Index, CRI) **72**

Light Color (ColorTemp, CCT) **5477 (Daylight)**

Warranty** **Yes**

Registration Number: 40264-WV1525A (R-01/12)
Model Number: XAMU FT LED 120-277V AC
Type: Outdoor area/warehouse light

*** See www.lightingfacts.com/products for details.

LIGHT OUTPUT - XAMU					
Type	# of LEDs	Lumens (Minimum)			
		Type 2	Type 3	Type 4	Type 5
SS	128	13500	14100	12100	12100
HO	128	13500	12300	14800	14800
SS	128	12400	13200	11200	11200
HO	128	15000	15800	12900	12900

DRIVER - Available in SS (Super Saver) and HO (High Output) drive currents (Drive currents are factory programmed). Components are fully encased in potting material for IP65 moisture resistance. Driver complies with IEC and FCC standards. Driver and key electronic components can easily be accessed.

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

FINISH - Fixtures are finished with LSI's DuraGrip® polyester powder coat finishing process. The DuraGrip finish withstands extreme weather changes without cracking or peeling.

WARRANTY - LSI LED fixtures carry a limited 5-year warranty.

PHOTOMETRICS - Application layouts are available upon request. Contact LSI Applications Group at lighting.apps@lsi-industries.com

SHIPPING WEIGHT (in carton) - 39 lbs. / 17.7 Kg

LISTING - ETL listed to U.S. and International safety standards. Suitable for wet locations.

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



ARRA Energy Efficient
IP65 IP67
DLC
wet location

Fixtures comply with ANSI C136.31-2010 American National Standard for Roadway Lighting Equipment - Luminaire Wetlocation 35 requirements.

FIXTURE LABEL = D



US patent 7826287, 7826288 and CAN 2363131 & 2391853 and US & Int'l. patents pending

SMARTTEC™ THERMAL CONTROL - Sensors in both optical unit and driver enclosure reduce drive current when ambient temperatures exceed 50°C. Current is lowered in imperceptible 5% increments every 5 minutes until safe operating temperature is reached.

ENERGY SAVING CONTROL OPTIONS - DIM - 0-10 volt dimming enabled with controls by others. BLS - Bi-level switching responds a 120-277V signal from separate controller or sensor (by others). Low light level decreased to 30% maximum drive current.

OCCUPANCY SENSOR (OBS) - Optional internal passive infrared motion sensor activates switching of luminaire light levels. High level light activated and increased to full bright in 1-2 seconds upon detection of motion. Low light level (30% maximum drive current) activated when target zone is absent of motion activity for ~ 2 minutes and ramps down (10-15 sec.) to low level. Sensor located on the front of optical assembly. Sensor optic has a detection cone of approximately 45°. Examples of detection - occurs 30' out from a 30' mounting height pole.

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.

LEDS - Select high-brightness LEDs in Cool White (5000°K nominal) or Neutral White (4000°K nominal) color temperature. 70 CRI (nominal).

DISTRIBUTION PERFORMANCE - Types 3, FT and S. Exceptional uniformity creates bright environment at lower light levels. Improved backlight cutoff minimizes light trespass.

HOUSING - One-piece, die-formed aluminum, weather-tight housing contains factory prewired driver and field connections. Extruded one-piece EPDM gasketed wiring access door (with safety lanyard) located underneath and utilizes tool-less thumbcrew fastener.

OPTICAL UNIT - Clear tempered flat glass lens sealed to aluminum optics housing creates an IP67 rated, sealed optical unit (includes pressure-stabilizing breather). Optical unit is recessed into housing cavity and sealed to the housing with extruded one-piece EPDM gasket. Optical unit lanyard serves dual purposes of safety and provides positive ground between unit and housing.

MOUNTING - Tapered rear design allows fixtures to be mounted in a quad pattern without the need for extension arms. Use with 3" reduced drilling pattern on round and square poles. A round pole plate (XARPP, XSRPP) is required for mounting on round poles. Wall mount available by ordering wall mounting bracket (BKS-XBO-WM-"-CLR). See Accessory Ordering Information chart for all brackets.

ELECTRICAL - A terminal block for attachment of incoming primary wiring is supplied. Two-stage surge protection (including separate surge protection built into electronic driver) meets IEEE C62.41.2-2002, Location Category C. Available with universal voltage power supply 120-277VAC (50/60Hz input), and 347-480 VAC. Optional twistlock photocell receptacle is available. Photocell must be ordered separately. Fixture Watts: SS - 138, HO - 176 nominal.

DRIVER - Available in SS (Super Saver) and HO (High Output) drive currents (Drive currents are factory programmed). Components are fully encased in potting material for IP65 moisture resistance. Driver complies with IEC and FCC standards. Driver and key electronic components can easily be accessed.

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

FINISH - Fixtures are finished with LSI's DuraGrip® polyester powder coat finishing process. The DuraGrip finish withstands extreme weather changes without cracking or peeling.

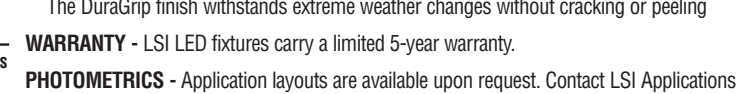
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DLC
wet location

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FIXTURE LABEL = D