

GENERATION 3 LED AMBIENT CANOPY LIGHT (CRO3)



US patent D574994 & 7828456 and US & Int'l. patents pending

SMARTTEC™ ENERGY SAVING FEATURES:

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 recommended operating temp is reached.

DAYLIGHT SENSING - Eliminates day-burners (optional) by sensing daylight levels (not affected by the light coming from the LEDs). Turns fixture off at light levels approximately equal to sunrise and on at sunset.

OCCUPANCY SENSING - Small, built-in flush-mounted sensor (optional) detects movement in a 20-foot circle. Unit dims to 30% power when no presence is detected. Smart dim slowly lowers light level over a 15-second period.

LEDS - Four LED array choices; 64 and 84 (19.4" square optical unit) and 104 and 128 (21.7" square). Each feature select high-brightness LEDs; 5300°K color temperature, 70 CRI (nominal).

DRIVE CURRENT OPTIONS - Choose from three drive current levels; 350 mA (most energy-efficient), 450 mA or 550 mA (best first-cost value).

OPTICS / DISTRIBUTIONS - Ultra-high efficiency reflectors provide three distributions to meet your lighting needs. Choose from symmetric, asymmetric (for directing light toward or away from selected areas), or enhanced symmetric (for increased brightness and attraction from the road). Luminaire is rated full cutoff.

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 - Teflon® breather allows super-tight IP67 protection while preventing temperature cycling from building up internal pressures and vacuums that can stress optical unit seals and components.

DRIVER - Proprietary, state-of-the-art SmartTec™ driver technology provides unsurpassed system efficiency, control and protection. Components are fully encased in potting for IP67 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

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).

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 listed to UL1598, UL8750 and other U.S. and International safety standards. Suitable for wet locations.

PHOTOMETRICS - Application layouts are available on request. Contact LSI Petroleum Lighting or petroleum.apps@lsi-industries.com

Crossover LED Lighting

lighting facts^{CM}

A Program of the U.S. DDE

Light Output (Lumens)	11950
Watts	146.5
Lumens per Watt (Efficacy)	81

Color Accuracy	67
Color Rendering Index (CRI)	

Light Color
Correlated Color Temperature (CCT)

5176 (Daylight)

2700K 3000K 4500K 6500K

Warm White Bright White Daylight

All results 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.

Visit www.lightingfacts.com for the Label Reference Guide.

Registration Number: KGGN-8QLD1Y
Model Number: CRO3 S LED128 350 CW UE
Type: Canopy light

LIGHT OUTPUT - CRO3					
	# of LEDs	Distribution / Lumens			Watts
		S	A	ES	
350 mA	64	7087	6872	6272	75
	84	8996	8899	7996	99
	104	11243	10951	10318	123
	128	13599	13237	12416	150
450 mA	64	8616	8304	7440	99
	84	10753	10639	9567	131
	104	13302	12981	12346	162
	128	16031	15687	14722	199
550 mA	64	9767	9435	8386	128
	84	12158	11939	10796	163



Suitable for wet locations

IP67

RoHS



10/18/11

Project Name _____ Fixture Type _____

Catalog # _____

GENERATION 3 LED AMBIENT CANOPY LIGHT (CRO3)

LUMINAIRE ORDERING INFORMATION

TYPICAL ORDER EXAMPLE: **CRO3 S LED 128 450 CW UE WHT IMS**

Prefix	Distribution	Light Source	# of LEDs	Drive Current	Color Temperature	Input Voltage	Finish	Options*
CRO3	S-Symmetric	LED	64	350 - 350mA	CW - Cool White	UE - Universal Voltage (120-277 AC)	WHT - White	IPC - Integral Photocell IMS - Integral Motion Sensor
	A - Asymmetric		84	450 - 450mA				
	ES - Enhanced Symmetric		104	550 - 550mA				
			128	350 - 350mA				
				450 - 450mA				

*Consult factory for availability

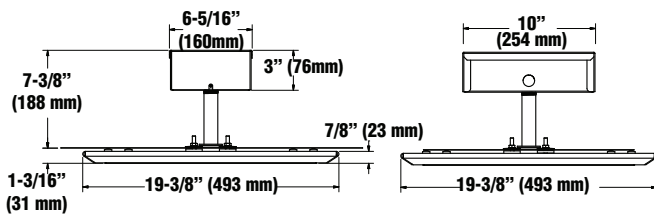
ACCESSORY ORDERING INFORMATION (Accessories are field installed)			
Description	Order Number	Description	Order Number
Retrofit Panel - SC to CRO3, for 16" Deck Panel	430951	Retrofit 2x2 Cover Panel Blank (no holes)	357282
Retrofit Panel - EC / ECTA / SCF to CRO3, for 16" Deck Panel	430765	Retrofit RIC Cover Panel Blank (no holes)	354702
Retrofit Panel - SC to CRO3, for 12" Deck Panel	430797	Kit - Hole Plugs and Silicone (enough for 25 retrofits) ¹	1320540
Retrofit Panel - ECTA / SCF to CRO3, for 12" Deck Panel	430759		
Retrofit 2x2 Cover Panel (w/ centered hole pattern for CRO3)	430966		

¹ Consists of (25) 7/8" hole plugs and (1) 10.3 oz tube of RTV

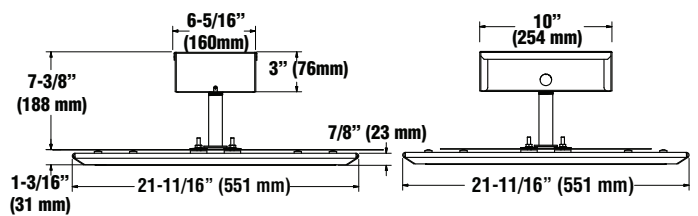
Superkits® are available to retrofit CRO3 Ambient and Focus fixtures into a wide variety of existing 2x2 and recessed housings. See separate spec sheets.

DIMENSIONS

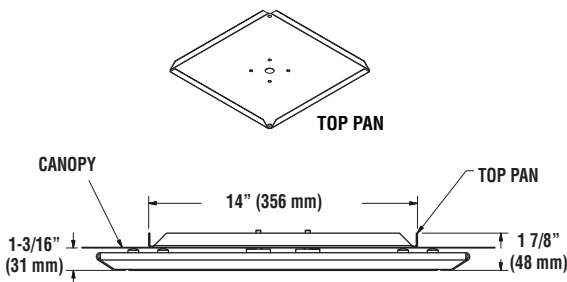
AMBIENT 64/84



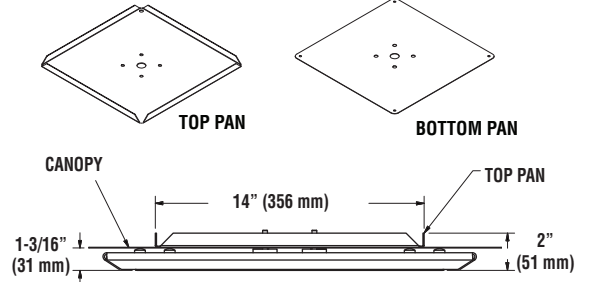
AMBIENT 104/128



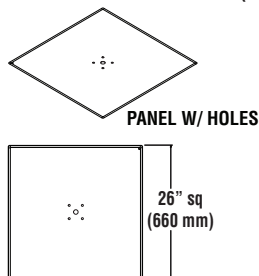
16" DECK RETROFIT PANEL - SC (#430951)



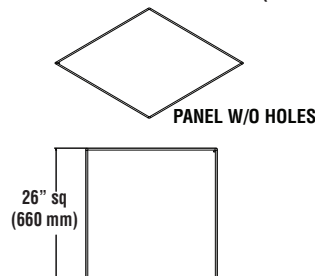
16" DECK RETROFIT PANELS - EC/ECTA/SCF (#430765)



2X2 COVER PANEL W/ HOLES (430966)



2X2 COVER PANEL BLANK (357282)



RIC COVER PANEL (354702)

