

LUXTRAN™ Luminaires for Tunnel Applications

LTSIU-A1 SERIES

PROJECT INFORMATION

Job Name _____

Fixture Type _____

Catalog Number _____

Approved by _____

PRODUCT FEATURES:

- » Suitable for ceiling or wall mounted orientation
- » Optical configurations designed for tunnel or underpass lighting applications
- » Stainless steel structural construction with marine-grade aluminum heat sinks
- » 10 Year limited product warranty
- » Universal housing installation for tunnels and underpasses



SPECIFICATIONS

CHASSIS: 18-gauge Type 304 stainless steel enclosure with one-piece, seam-welded construction; 2B finish; passivated post-welding. 14-gauge die-formed and welded mounting points; custom mounting detail to tunnel structure available.

HEAT SINKS: Type 413 marine-grade die-cast aluminum, coatings to withstand 1,000 hour salt fog test per ASTM B117. Electrically insulated from stainless steel chassis.

DOORFRAME: 16-gauge Type 304 stainless steel doorframe with one-piece, seam-welded construction; 2B finish; passivated post-welding. Stainless steel safety cables attach to chassis. Lockable rotary latches (lock by others) constructed of matching grade stainless steel.

GASKETING: One-piece extruded solid silicone with molded corners.

OPTICS: Type II, Type V Square and Type V 30° Cutoff optical distributions. Clear tempered glass lens. Optic/lamp can be rotated, in 90 degree increments, within the fixture housing.

ELECTRICAL: Serviceable high-brightness LED array. See Ordering Information for lamp type options. 70 CRI minimum. 120-277 VAC, 50/60Hz single-phase input; <20% THD, >0.90 PF. Minimum 90% electrical efficiency. Standard 0-10V dimming with 10-100% range. EMC compliant with FCC 47 CFR Part 15, Class B. Passes IEC 61000-4-4 EFT and IEC 61000-4-5 (Class 4) surge evaluation. Integral surge protector (standard). 3/4" conduit connection standard, 1/2" trade size optional.

OPTIONAL CONTROLS: Optional control module available with compatible third party controls. To see the full list of compatible controls, [click here](#).

INSTALLATION: Wall or ceiling orientation. Mounting hardware provided by others. Conduit entry on back of luminaire. Ambient temperature rating is -40°C to 40°C (55°C on 47L).

PHOTOMETRICS: Photometry tested to the IESNA LM-79-08 standard by an ILAC/ISO17025 accredited laboratory. For additional photometric data, please go to www.kenall.com.

WARRANTY: Limited ten (10) year warranty.

LISTINGS: Luminaire is certified to UL Standards by Intertek Testing Laboratory for Wet Location. IP66 rating per IEC 60598. Luminaire is 3G vibration tested per ANSI C136.31. Passes ANSI C136.27-2012 qualification test. DOE LED Lighting Facts program partner. Build America, Buy America Act compliant.



ORDERING INFORMATION (Ex: LTSIU-A1-C-SM-2-8-47L30K-DCC-DV-304-1KF)

Model	Size Configuration	Mounting	Mounting Design	Dist. Type	Lens Type	Lamp Type	Driver Type	Voltage	Housing Mtrl	Heat Sink Finish	Options
LTSIU	A1				8		DCC	DV	304	1KF	
	Size Configuration				Lens Type				Housing Material		
	A1	1 Module Array			8	.188" (.48 cm) Tempered Glass Lens			304	Type 304 Stainless Steel	
	Mounting				Lamp Type				Heat Sink Finish		
	C	Ceiling			47L30K	47 Watt 3000K LED			1KF	1,000 Hour Finish	
	W	Wall			72L30K	72 Watt 3000K LED					
					94L30K	94 Watt 3000K LED					
	Mounting Design Detail				Driver Type				Options		
	SM	Standard Mounting Detail (as shown)			DCC	Dimming Constant Current			FS1	Single Fuse and Holder (600V, Dual Element/Time-Delay Standard)	
	CM	Custom/Project-Specific Mounting (consult factory)							FS2	Double Fuse and Holder (600V, Dual Element/Time-Delay Standard)	
	Distribution Type				Voltage				CO	1/2" Conduit Connection	
	2	Type II			DV	120-277 VAC			LPCM	NYX Hemera Local Programmable Control Module (for Power Line Control; click here for specifications)	
	5S	Type V – Square									
	5C	Type V – 30° cutoff									



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 This product is able to comply with the latest domestic preference legislation, such as the Buy American Act (BAA), Trade Agreement Act (TAA), Build America, Buy America Act (BABA), and others. It may be covered by patents found at www.kenall.com/patents. Content of specification sheets is subject to change; please consult www.kenall.com for current product details. ©2025 Kenall Mfg. Co.

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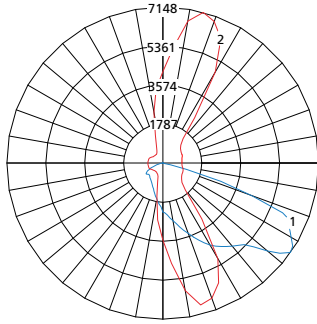
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PERFORMANCE

Size Config	Lamp Code	Initial Delivered Flux (lm)			Efficacy (lm/W)	Input Power (W)	Estd. L70 LED Life (hrs)	Lumen Maintenance @ 50k Hrs
		Type 2	Type 5S	Type 5C				
A1	47L-30K8	5,997	6,025	6,348	115 - 122	52	125,000	92%
	72L-30K8	8,791	8,597	8,881	110 - 114	78	110,000	85%
	94L-30K8	10,515	10,665	11,084	101 - 107	104	80,000	80%

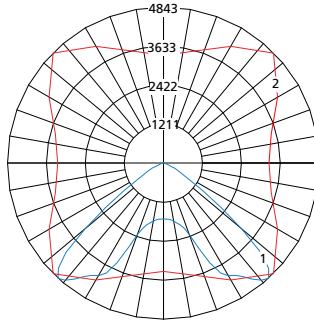
Model: LTSIU-A1-2-8-72L30K-DCC-DV-304-1KF-FS



Max Candela = 7148 Located At Horizontal Angle = 75, Vertical Angle = 55

- 1 - Vertical Plane Through Horizontal Angles (75 - 255) (Through Max. Cd.)
- 2 - Horizontal Cone Through Vertical Angle (55) (Through Max. Cd.)

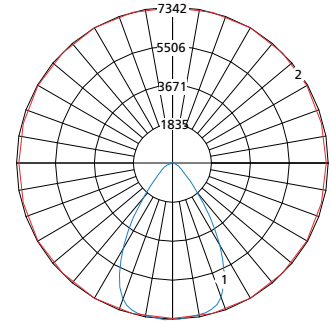
Model: LTSIU-A1-5S-8-72L30K-DCC-DV-304-1KF-FS



Max Candela = 4843 Located At Horizontal Angle = 45, Vertical Angle = 42.5

- 1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)
- 2 - Horizontal Cone Through Vertical Angle (42.5) (Through Max. Cd.)

Model: LTSIU-A1-5C-8-72L30K-DCC-DV-304-1KF-FS



Max Candela = 7341 Located At Horizontal Angle = 60, Vertical Angle = 2.5

- 1 - Vertical Plane Through Horizontal Angles (60 - 240) (Through Max. Cd.)
- 2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)

DIMENSIONAL DATA

