

LUXTRAN™ Luminaires for Tunnel Applications

LTLI SERIES

PRODUCT FEATURES:

- » Integral driver construction
- » Suitable for continuous and discontinuous row mounting on a ceiling or wall
- » Tool-less access and removal of light engine/optical assembly from raceway enclosure
- » Optical configurations designed for tunnel lighting applications
- » 10 Year limited product warranty



PROJECT INFORMATION

Job Name _____

Fixture Type _____

Catalog Number _____

Approved by _____

SPECIFICATIONS

RACEWAY: 18-gauge Type 304 or Type 316 stainless steel enclosure with one-piece, seam-welded construction; 2B finish; passivated post-welding. 16-gauge die-formed and welded mounting points; custom mounting detail to tunnel structure available.

LIGHT ENGINE HOUSING: 16-gauge Type 304 or Type 316 stainless steel doorframe with one-piece, seam-welded construction; 2B finish; passivated post-welding. Stainless steel safety cables attach to raceway. Internal marine-grade aluminum heat sink. Integral driver enclosure located at the end of the luminaire. Lockable rotary latches (lock by others) constructed of matching grade stainless steel.

GASKETING: One-piece extruded silicone with molded corners.

OPTICS: Type II, Type V Narrow and Type V Square optical distributions. Clear tempered glass or polycarbonate lens.

ELECTRICAL: Serviceable high-brightness LED array. See Ordering Information for color temperature. 70 CRI minimum. 120-277 or 277-480 VAC, 50/60Hz single-phase input; <20% THD, >0.90 PF. Minimum 90% electrical efficiency. Standard 0-10V dimming with 0-100% 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).

INSTALLATION: Raceway mounting hardware provided by others. Ambient temperature rating is -40°C to 50°C.

PHOTOMETRICS: Photometry tested to the IESNA LM-79-08 standard by an ILAC/ISO17025 accredited laboratory. For 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. Rated to NEMA 4X. Luminaire is 3G vibration tested per ANSI C136.31. Passes ANSI C136.27-2012 qualification test.



ORDERING INFORMATION (Ex: LTLI-8-C-SM-2-100L57K-DCC-DV-304-8)

Model	Size Configuration	Mounting	Mounting Design	Distribution Type	Lamp Type	Driver Type	Voltage	Housing Material	Lens Type
LTLI						DCC			
	Size Configuration			Distribution Type		Driver Type			
	4 4' (122 cm) Nominal Length			2 Type II		DCC Dimming Constant Current			
	8 8' (244 cm) Nominal Length			5N Type V – Narrow					
				5S Type V – Square					
	Mounting			Lamp Type		Voltage			
	C Ceiling			4' Length		DV 120-277 VAC			
	W Wall			25L40K 25 Watt 4000K LED		CV 277-480 VAC			
	Mounting Design Detail			25L50K 25 Watt 5000K LED				Housing Material	
	SM Standard Mounting Detail (as shown)			25L57K 25 Watt 5700K LED				304 Type 304 Stainless Steel	
	CM Custom/Project-Specific Mounting (consult factory)			36L40K 36 Watt 4000K LED				316 Type 316 Stainless Steel	
				36L50K 36 Watt 5000K LED				Lens Type	
				36L57K 36 Watt 5700K LED				8 .188" (.48 cm) Tempered Glass Lens	
				50L40K 50 Watt 4000K LED				G .125" (.32 cm) Clear Polycarbonate	
				50L50K 50 Watt 5000K LED					
				50L57K 50 Watt 5700K LED					
				8' Length					
				50L40K 50 Watt 4000K LED					
				50L50K 50 Watt 5000K LED					
				50L57K 50 Watt 5700K LED					
				72L40K 72 Watt 4000K LED					
				72L50K 72 Watt 5000K LED					
				72L57K 72 Watt 5700K LED					
				100L40K 100 Watt 4000K LED					
				100L50K 100 Watt 5000K LED					
				100L57K 100 Watt 5700K LED					



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LTLI SERIES

PERFORMANCE

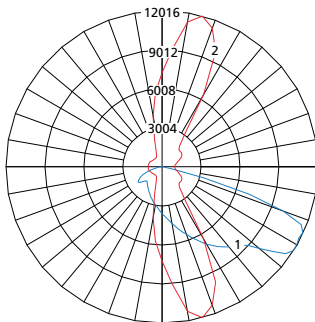
Length	Lamp Type	Initial Delivered Lumens (lm)			Efficacy (lm/W)	Input Power (W)	Drive Current (mA)	Estd. L ₇₀ LED Life (hrs)
		Type II	Type 5N	Type 5S				
4'	25L40K	3,790	3,924	3,766	142 - 148	27	175mA	150,000
	25L50K	3,790	3,924	3,766	142 - 148	27	175mA	150,000
	25L57K	3,790	3,924	3,766	142 - 148	27	175mA	150,000
	36L40K	5,308	5,495	5,273	141 - 147	37	250mA	135,000
	36L50K	5,308	5,495	5,273	141 - 147	37	250mA	135,000
	36L57K	5,308	5,495	5,273	141 - 147	37	250mA	135,000
	50L40K	7,666	7,936	7,616	139 - 145	55	350mA	125,000
	50L50K	7,666	7,936	7,616	139 - 145	55	350mA	125,000
	50L57K	7,666	7,936	7,616	139 - 145	55	350mA	125,000
8'	50L40K	7,581	7,848	7,532	142 - 148	53	175mA	150,000
	50L50K	7,581	7,848	7,532	142 - 148	53	175mA	150,000
	50L57K	7,581	7,848	7,532	142 - 148	53	175mA	150,000
	72L40K	10,616	10,990	10,547	141 - 147	75	250mA	135,000
	72L50K	10,616	10,990	10,547	141 - 147	75	250mA	135,000
	72L57K	10,616	10,990	10,547	141 - 147	75	250mA	135,000
	100L40K	15,332	15,872	15,232	139 - 145	109	350 mA	125,000
	100L50K	15,332	15,872	15,232	139 - 145	109	350 mA	125,000
	100L57K	15,332	15,872	15,232	139 - 145	109	350 mA	125,000

Information above was tested with the Type 8 lens. Subject to change without notice. Visit www.kenall.com for IES files and additional information.

LUMEN AMBIENT TEMPERATURE (LAT) FACTORS

10°C	15°C	20°C	25°C	30°C	35°C	40°C
1.04	1.02	1.01	1.00	0.99	0.98	0.96

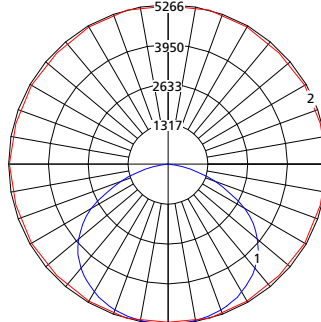
Model: LTLI-8-x-yy-2-100L50K-zzz-8



Max Candela = 12016 Located At Horizontal Angle = 75, Vertical Angle = 57.5

1 - Vertical Plane Through Horizontal Angles (75 - 255) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (57.5) (Through Max. Cd.)

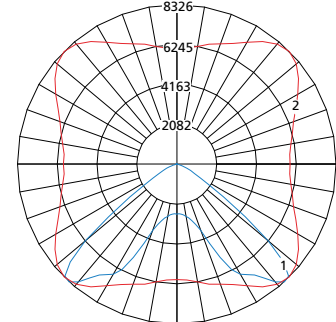
Model: LTLI-8-x-yy-5N-100L50K-zzz-8



Max Candela = 5266 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: LTLI-8-x-yy-5S-100L50K-zzz-8



Max Candela = 8326 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.)



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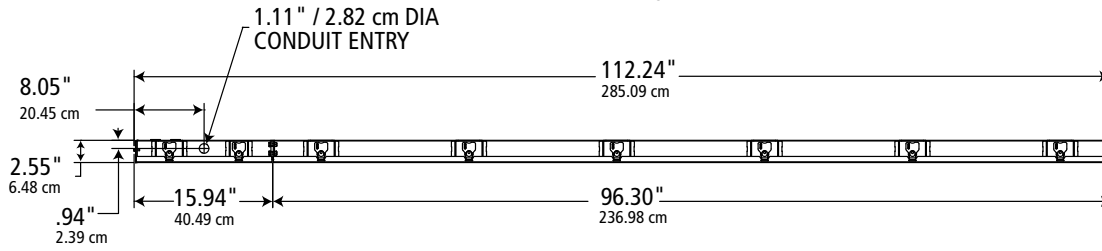
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DIMENSIONAL DATA

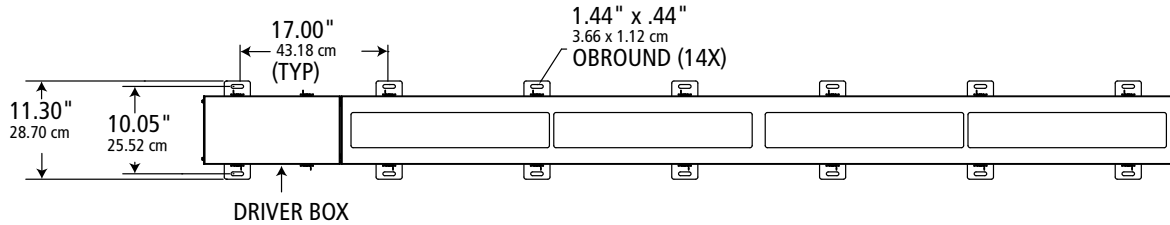
LTLI-8

SIDE VIEW



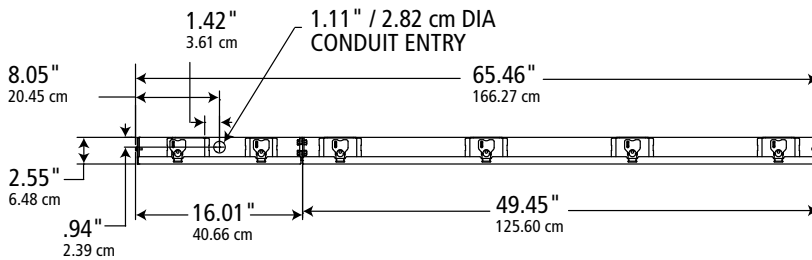
FRONT VIEW

END VIEW



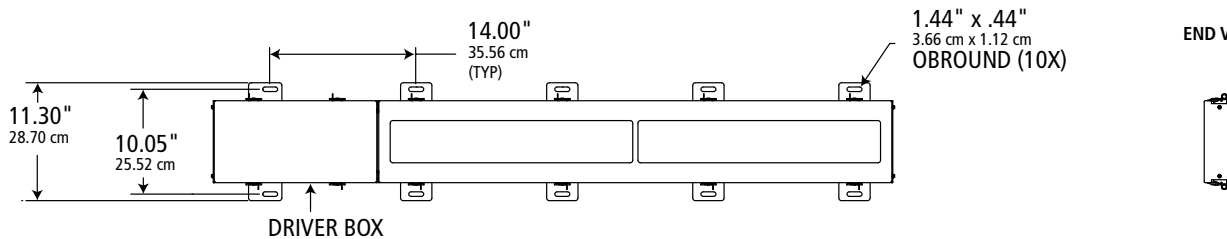
LTLI-4

SIDE VIEW



FRONT VIEW

END VIEW



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