

## FEATURES & SPECIFICATIONS

**INTENDED USE** — Built on the compact, low-profile Z strip channel, this LED strip offers long maintenance-free life, several color temperatures, lumen outputs and lengths. Ideal for new construction and retrofit applications in T5 and T8 lengths. Ideal for uplight and downlight in commercial, retail, manufacturing, warehouse, cove and display applications. **Certain airborne contaminants can diminish the integrity of acrylic and/or polycarbonate.** [Click here for Acrylic-Polycarbonate Compatibility table for suitable uses.](#)

**CONSTRUCTION** — Compact-design channel and cover are formed from code-gauge cold-rolled steel. Easy to install row aligner included for continuous row mounting.

Finish: Paint options include high-gloss, baked white enamel (WH), galvanized (GALV), matte black (MB) and smoke gray (SKGY). After fabrication, five-stage iron phosphate pre-treatment ensures superior paint adhesion and rust resistance.

**OPTICS** — Standard diffuse snap on/snap off lens eliminates pixels, improves uniformity and minimizes glare. L/LENS option available.

**ELECTRICAL** — L70>60,000hours. Utilizes high-output LEDs integrated on a two-layer circuit board, ensuring cool-running operation. Optional internal pluggable wiring harness for reduced labor cost in row mounting applications. (See PLR\_ ordering information on page 3.) Electronic LED driver is rated for 75 input watts maximum (see Operational Data on page two for actual wattage consumption), **multi-volt input and 0-10V dimming standard.** This fixture is designed to withstand a maximum line surge of 2.5kV at 0.75kA combination wave for indoor locations, for applications requiring higher level of protection additional surge protection must be provided.

LEDs provide nominal 80 CRI at 3000 K, 3500 K, 4000 K, or 5000 K.

Lumen output up to 2,000 lumens per foot. In 86°F (30°C) ambient environments. Luminaire should be installed in applications where ambient temperatures do not exceed 86°F (30°C).

**INSTALLATION** — Tool-less channel cover for easy installation.

Fixture may be surface mounted (with or without ZSPRG hanger), pendant or stem mounted with appropriate mounting options. Three-point aligner locks in place for easy continuous row mounting.

**LISTINGS** — CSA certified to US and Canadian safety standards. For use in damp locations between -40°F (-40°C) and 86°F (30°C).

DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at [www.designlights.org](http://www.designlights.org) to confirm which versions are qualified.

Catalog Number
Notes
Type

LED Striplight

# KZN1

24", 48" and 96" Lengths



December 2018

[www.spec kaylighting.com](http://www.spec kaylighting.com) | 646.837.9000 | [quotes@kaylighting.com](mailto:quotes@kaylighting.com)

DISCLAIMER: KAY LIGHTING RESERVES THE RIGHT TO MAKE ANY DESIGN CHANGES FOR CONTINUOUS IMPROVEMENT WHICH WILL NOT AFFECT THE OVERALL APPEARANCE OR PERFORMANCE. ALL CEILINGS ARE TO BE ADEQUATELY REINFORCED BY OTHERS BEFORE INSTALLATION. ALL FIXTURES ARE TO BE WIRED BY A CERTIFIED ELECTRICIAN ONLY. THIS INFORMATION IS PROPERTY OF KAY LIGHTING, AND THE INFORMATION IT CONTAINS MAY NOT BE USED WITHOUT ANY WRITTEN CONSENT OF KAY LIGHTING.

A+ Capable options indicated by this color background.

**ORDERING INFORMATION**

Lead times will vary depending on options selected. Consult with your sales representative.

**Example:** KZN1 L48 3000LM FST MVOLT 40K 80CRI WH

Series	Length	Reflectors <sup>1</sup>	Nominal lumens <sup>2</sup>	Diffuser	Voltage
KZN1 LED striplight	L24 24"	(blank) Less reflector	1500LM 1,500 lumens	FST Snap on frosted, diffuse	MVOLT 120-277V
		SMR Symmetric	2500LM 2,500 lumens	L/LENS No diffuser	120 120V
			3500LM 3,500 lumens	SBL FST Straight blade louver with snap on frosted, diffuse	208 208V
	L46 46" L48 48"	(blank) Less reflector	3000LM 3,000 lumens		240 240V
		ASR Asymmetric (L48 only)	5000LM 5,000 lumens		277 277V
		SMR Symmetric	7000LM 7,000 lumens		347 347V <sup>3</sup>
KZN1 LED striplight	L92 92"	(blank) Less reflector	6000LM 6,000 lumens		480 480V <sup>3</sup>
	L96 96"	SMR Symmetric	10000LM 10,000 lumens		
				14000LM 14,000 lumens	

Color temperature	Color rendering index	Options	Paint finish
30K 3000 K	80CRI 80 CRI	PLR___ Plug-in wiring <sup>4,5</sup>	WH White
35K 3500 K	90CRI 90 CRI	PLR1LVG Plug-in wiring-low voltage <sup>4,5</sup>	GALV Galvanized
40K 4000 K		E7W Emergency battery pack, <a href="#">7W</a> (not available for California) <sup>6,7</sup>	MB Matte black
50K 5000 K		2E7W Two Emergency battery packs, <a href="#">7W</a> (not available for California) <sup>6,7,8</sup>	SKGY Smoke gray
		E10WLCP Emergency battery pack, <a href="#">10W</a> Linear Constant Power, CA Title 20 compliant <sup>6,7</sup>	
		2E10WLCP Two Emergency battery packs, <a href="#">10W</a> Linear Constant Power, CA Title 20 Compliant <sup>6,7,8</sup>	
		E15WLCP Emergency battery pack, <a href="#">15W</a> Linear Constant Power, CA Title 20 compliant <sup>6,7,8</sup>	
		OUTEND Cord set to exit endplate of fixture	
		LBOZU 360° low mount motion sensor, pre-wired <sup>9</sup>	
		LBHOSZU 360° low mount motion sensor with dimming, pre-wired <sup>9</sup>	
		LBPZU 360° low mount motion sensor with photocell, pre-wired <sup>9</sup>	
		LBMOSZU 360° low mount motion sensor, dimming & switching photocell, pre-wired <sup>9</sup>	
		<b>Cord sets:</b> <sup>10</sup>	
		CS1W Straight plug, 120V	
		CS3W Twist-lock, 120V	
		CS7W Straight plug, 277V	
		CS11W Twist-lock, 277V	
		CS25W Twist-lock, 347V	
		CS97W Twist-lock, 480V	
		CS93W 600V SE00W white cord, no plug (no voltage required)	

December 2018

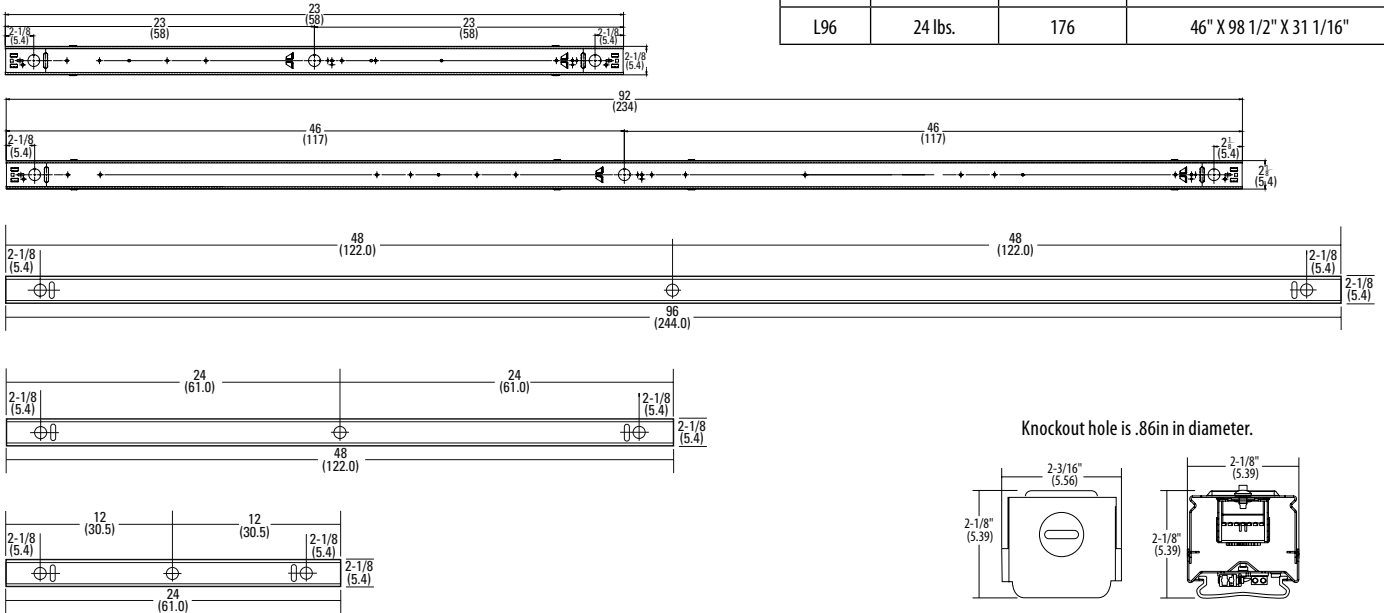
www.spec kaylighting.com | 646.837.9000 | quotes@kaylighting.com

DISCLAIMER: KAY LIGHTING RESERVES THE RIGHT TO MAKE ANY DESIGN CHANGES FOR CONTINUOUS IMPROVEMENT WHICH WILL NOT AFFECT THE OVERALL APPEARANCE OR PERFORMANCE. ALL CEILINGS ARE TO BE ADEQUATELY REINFORCED BY OTHERS BEFORE INSTALLATION. ALL FIXTURES ARE TO BE WIRED BY A CERTIFIED ELECTRICIAN ONLY. THIS INFORMATION IS PROPERTY OF KAY LIGHTING, AND THE INFORMATION IT CONTAINS MAY NOT BE USED WITHOUT ANY WRITTEN CONSENT OF KAY LIGHTING.

OPERATIONAL DATA												
	Nominal lumen package	Length (inches)	Delivered Lumens 3000 K CCT @ 77°F (25°C) ambient temperature		Delivered Lumens 3500 K CCT @ 77°F (25°C) ambient temperature		Delivered Lumens 4000 K CCT @ 77°F (25°C) ambient temperature		Delivered Lumens 5000 K CCT @ 77°F (25°C) ambient temperature		Wattage @ 120V/277V	Comparable Light Source
			80 CRI	90 CRI	80 CRI	90 CRI	80 CRI	90 CRI	80 CRI	90 CRI		
Lensed	1500LM	24	1738	1409	1777	1467	1804	1494	1871	1528	15	1-lamp 17W T8
	2500LM	24	2265	1846	2315	1900	2351	1947	2438	1991	19	1-lamp 17W T8
	3500LM	24	3586	2924	3666	3026	3723	3084	3860	3152	31	1-lamp 32W T8, 1-lamp 54W T5H0, 50W HID
	3000LM	46 or 48	3172	2586	3243	2677	3293	2728	3415	2788	25	1-lamp 32W T8, 1-lamp 54W T5H0, 50W HID
	5000LM	46 or 48	4417	3601	4515	3727	4585	3798	4754	3882	34	2-lamp 32W T8, 1-lamp 54W T5H0, 70W HID
	7000LM	46 or 48	6535	5328	6681	5515	6785	5619	7035	5744	52	3-lamp 32W T8, 2-lamp 54W T5H0, 100W HID
	6000LM	92 or 96	6561	5349	6708	5537	6812	5642	7063	5767	48	3-lamp 32W T8, 2-lamp 54W T5H0, 100W HID
	10000LM	92 or 96	8687	7082	8881	7331	9019	7470	9351	7636	68	4-lamp 32W T8, 2-lamp 54W T5H0, 100W HID
	14000LM	92 or 96	12457	10513	12735	10665	12933	10711	13409	10949	104	4-lamp 32W T8, 3-lamp 54W T5H0, 150W HID
Unlensed	1500LM	24	1881	1534	1923	1588	1953	1618	2025	1654	15	1-lamp 17W T8
	2500LM	24	2452	1999	2506	2069	2545	2108	2639	2155	19	1-lamp 17W T8
	3500LM	24	3882	3165	3969	3276	4031	3338	4179	3412	31	1-lamp 32W T8, 1-lamp 54W T5H0, 50W HID
	3000LM	46 or 48	3434	2800	3511	2898	3565	2953	3697	3019	25	1-lamp 32W T8, 1-lamp 54W T5H0, 50W HID
	5000LM	46 or 48	4781	3898	4888	4035	4964	4111	5147	4203	34	2-lamp 32W T8, 1-lamp 54W T5H0, 70W HID
	7000LM	46 or 48	7075	5768	7233	5971	7345	6083	7616	6219	52	3-lamp 32W T8, 2-lamp 54W T5H0, 100W HID
	6000LM	92 or 96	7103	5791	7261	5995	7374	6108	7646	6243	48	3-lamp 32W T8, 2-lamp 54W T5H0, 100W HID
	10000LM	92 or 96	9404	7667	9614	7937	9764	8087	10123	8266	68	4-lamp 32W T8, 2-lamp 54W T5H0, 100W HID
	14000LM	92 or 96	13485	10994	13786	11381	14001	11596	14516	11853	104	4-lamp 32W T8, 3-lamp 54W T5H0, 150W HID

## DIMENSIONS

All dimensions are shown in inches (centimeters) unless otherwise noted. Specifications subject to change without notice.



## PALLET DIMENSIONS

Length	Approximate weight	Fixtures per pallet	Approximate pallet dimensions (L x W x H)
L24	7 lbs.	408	46" X 51" X 32 11/16"
L46	11 lbs.	176	46" X 51" X 32 1/16"
L48	12 lbs.	176	46" X 51" X 31 3/8"
L92	22 lbs.	176	46" X 98 1/2" X 31 1/16"
L96	24 lbs.	176	46" X 98 1/2" X 31 1/16"