

## **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 T8 lengths. Ideal for use in commercial, retail, manufacturing, warehouse, 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 six-point row aligner included for continuous row mounting.

Finish: Paint options include high-gloss, baked white enamel (WH), or matte black (MB). Afterfabrication, five-stage iron phosphate pre-treatment ensures superior paint adhesion and rust resistance.

 $\begin{tabular}{ll} \textbf{OPTICS} & -- Standard diffuse snap on/snap off lens eliminates pixels, improves uniformity and minimizes qlare. \end{tabular}$ 

**ELECTRICAL** — Utilizes high-output LEDs integrated on a two-layer circuit board, ensuring coolrunning 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 with stand 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 80CRI or 90 CRI at 3000 K, 3500 K,4000 K or 5000 K.

Lumen output up to 1,500 lumens per foot. Luminaire should be installed in applications where ambient temperatures do not exceed 86 °F (30 °C).

**INSTALLATION** — Fixture may be surface mounted (with or without ZSPRG hanger), pendant or stem mounted with appropriate mounting options. Six-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 <a href="https://www.designlights.org/QPL">www.designlights.org/QPL</a> to confirm which versions are qualified.

www.acuitybrands.com/resources/terms-and-conditions

Note: Actual performance may differ as a result of end-user environment and application.

All values are design or typical values, measured under laboratory conditions at 25  $^{\circ}\text{C}.$ 

Specifications subject to change without notice.

Catalog Number			
Notes			
Туре			



**LED Striplight** 

ZL<sub>1</sub>D

24", 48" and 96" Lengths









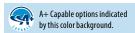


This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and out-of-the-box control compatibility with simple commissioning.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is part of an A+ Certified solution for nLight® or XPoint™ Wireless control networks marked by a shaded background\*

To learn more about A+, visit <a href="www.acuitybrands.com/aplus">www.acuitybrands.com/aplus</a>.

\*See ordering tree for details



ORDERING INFORMATION Lead times will vary depending on options selected. Consult with your sales represe	ntative.
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### Example: ZL1D L48 3000LM FST MVOLT 40K 80CRI WH

Series	Length Reflectors <sup>1</sup> Nominal		umens²	Diffuser		Voltage		Color temperature					
ZL1D	LED striplight	L24	24"	(blank)	Less reflector	1500LM	1,500 lumens	FST	Drop lens	MVOLT	120-277V	30K	3000 K
				SMR	Symmetric	2500LM	2,500 lumens			120	120V	35K	3500 K
						3500LM	3,500 lumens			208	208V	40K	4000 K
		L48	48"	(blank)	Less reflector	3000LM	3,000 lumens			240	240V	50K	5000 K
				ASR	Asymmetric	5000LM	5,000 lumens			277	277V		
				SMR	Symmetric	7000LM	7,000 lumens			347	347V <sup>3</sup>		
TZL1D	LED striplight	L96	96"	(blank)	Less reflector	6000LM	6,000 lumens			480	480V <sup>3</sup>		
				SMR	Symmetric	10000LM	10,000 lumens						
						14000LM	14,000 lumens						

Color rendering index	Options		Paint finish
80CRI 80 CRI 90CRI 90 CRI	PLR Plug-in wiring <sup>4,5</sup> PLR1LVG Plug-in wiring-low voltage <sup>4,5</sup> E7W Emergency battery pack, <u>7W</u> CA Title 20 Noncompliant <sup>6,7</sup> 2E7W Two Emergency battery packs, <u>7W</u> CA Title 20 Noncompliant <sup>6,7,8</sup> E10WLCP Emergency battery pack, <u>10W</u> Linear Constant Power, Certified in CA Title 20 MAEDBS <sup>6,7,2</sup> 2E10WLCP Two Emergency battery packs, <u>10W</u> Linear Constant Power, Certified in CA Title 20 MAEDBS <sup>6,7,8</sup> E15WLCP Emergency battery packs, <u>15W</u> Linear Constant Power, Certified in CA Title 20 MAEDBS <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 with photocell, pre-wired <sup>9</sup> LBMOSZU 360° low mount motion sensor, dimming & switching photocell, pre-wired	Cord sets: 10 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)	WH White  MB Matte black  GALVB Galvanized fixture with black plastic lens endcaps  GALVW Galvanized fixture with white plastic lens endcaps

IC36	Hanger chain, 36"	ZLR L24 SYM WH	24" symmetric reflector, white finish
ZACVH ZLANGBKT	Aircraft cable 10' (one pair) Luma-tilt™ angle bracket for shelf or	ZLR L46 SYM UPL WH	46" symmetric reflector with uplight white finish
	ledge mounting only	ZLR L46 SYM WH	46" symmetric reflector, white finish
6Q_	Stem kit, 2" increments up to 48"	ZLR L48 ASY WH	48" asymmetric reflector, white finis
NPP16D PP20D	nLight® switching/dimming module nLight® Air switching/dimming module	ZLR L48 SYM UPL WH	48" symmetric reflector with uplight white finish
.SXR !SPRG NGZ24 NGZ48 !LR L24 SYM UPL WH	Sensor Switch® LSXR occupancy sensor <sup>4</sup> For 15/16" T-grid only 24" wireguard, white <sup>11</sup> 48" wireguard, white <sup>11,12</sup> 24" symmetric reflector with uplight, white finish	ZLR L48 SYM WH ZLR L92 SYM UPL WH ZLR L92 SYM WH ZLR L96 SYM UPL WH ZLR L96 SYM WH	48" symmetric reflector, white finish 92" symmetric reflector with uplight white finish 92" symmetric reflector, white finish 96" symmetric reflector with uplight white finish 96" symmetric reflector, white finish 96" symmetric reflector, white finish

#### Notes

- 1 Optional. Reflectors ship separately.
- 2 See Operational Data on page 2 for actual lumens.
- 3 Not available with L24, 24" fixture. 347V and 480V utilize a step-down transformer.
- $\label{eq:configuration} 4 \quad \text{See ordering information on page 5. When choosing sensor options} \\ \text{and and PLR configuration, contact factory representative.}$
- 5 Not available with cordsets.
- 6 Not available with L24, 24" fixture. See spec sheet PS1055LCP, PS1555LCP and PS750L for more information. Emergency battery backup only available from -4 °F (-20 °C) to 86 °F (30 °C)
- 7 Must specify voltage. 120, 208, 240 or 277V.
- 8 Only available with the 10,000LM and 14,000LM fixtures.
- 9 Voltage must be specified. This sensor configuration is suitable for minimum ambient temperature of 14°F (-10°C). See page 6 for low temperature option providing -4°F (-20°C) minimum ambient Sensors come prewired, they must be snapped into place at time of installation.
- 10 Cordsets exit back of fixture unless OUTEND option is specified.

  Must specify voltage (not required when ordering CS93W).
- 11 Not compatible with reflector.
- 12 Order 2 for tandem double length fixtures (TZL1D).

INDUSTRIAL ZL1D

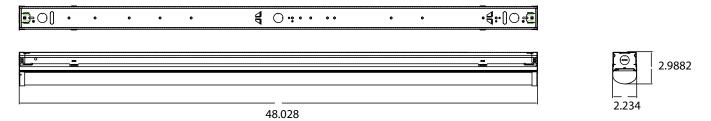
# **ZL1D** LED Striplight

OPER	OPERATIONAL DATA													
	Nominal lumen	. length			7°F (25°C)	K CCT @ 77°F (25°C)		Delivered Lumens 4000 K CCT @ 77°F (25°C) ambient temperature		Delivered Lumens 5000 K CCT @ 77°F (25°C) ambient temperature		Wattage @	Comparable Light Source	
	раскаде		80 CRI	90 CRI	80 CRI	90 CRI	80 CRI	90 CRI	80 CRI	90 CRI	120V/277V			
	1500LM	24	1985	1619	2030	1675	2061	1707	2137	1745	17	1-lamp 17W T8		
	2500LM	24	2682	2187	2742	2264	2785	2307	2887	2358	22	1-lamp 17W T8		
	3500LM	24	4099	3341	4190	3459	4255	3524	4412	3603	36	1-lamp 32W T8, 1-lamp 54W T5H0, 50W HID		
	3000LM	48	3880	3163	3966	3274	4028	3336	4176	3410	30	1-lamp 32W T8, 1-lamp 54W T5H0, 50W HID		
Lensed	5000LM	48	5337	4351	5456	4504	5541	4589	5745	4691	41	2-lamp 32W T8, 1-lamp 54W T5H0, 70W HID		
	7000LM	48	7317	5965	7480	6175	7596	6291	7876	6431	59	3-lamp 32W T8, 2-lamp 54W T5H0, 100W HID		
	6000LM	96	8077	6585	8257	6816	8386	6945	8694	7099	60	3-lamp 32W T8, 2-lamp 54W T5H0, 100W HID		
	10000LM	96	11021	8985	11267	9301	11442	9477	11864	9687	81	4-lamp 32W T8, 2-lamp 54W T5H0, 100W HID		
	14000LM	96	15397	12553	15741	12995	15986	13240	16574	13534	121	4-lamp 32W T8, 3-lamp 54W T5H0, 150W HID		

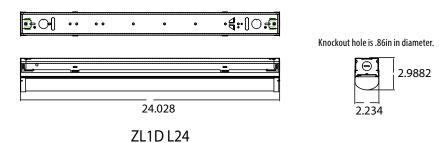
## **DIMENSIONS**

 $\label{lem:continuous} All \ dimensions \ are \ shown \ in \ inches \ (centimeters) \ unless \ otherwise \ noted.$  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.	176	46" X 51" X 31 5/8"						
L48	13 lbs.	176	46" X 51" X 31 5/8"						
L96	26 lbs.	63	46" X 98 1/2" X 31 3/8"						



**ZL1D L48** 



Mounting Hole Location - All Lengths

