

## **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.** <u>Click here for Acrylic-Polycarbonate Compatibility table for suitable uses</u>.

**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). 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.

**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 5). Electronic LED driver is rated for 75 input watts maximum (see Operational Data on page 4 for actual wattage consumption), **multi-volt input and 0-10V dimming standard**. This fix ture 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 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  $-40^{\circ}F(-40^{\circ}C)$  and  $86^{\circ}F(30^{\circ}C)$ .

DesignLights Consortium<sup>®</sup> (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at <u>www.designlights.org/QPL</u> to confirm which versions are qualified.

**BUY AMERICAN ACT** — Product with the BAA option is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT regulations. Please refer to <u>www.acuitybrands.com/buy-american</u> for additional information.

**WARRANTY** — 5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at:

www.acuitybrands.com/support/warranty/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 °C.

Specifications subject to change without notice.

Туре

Catalog

Number

Notes



LED Striplight



24", 48" and 96" Lengths



## **\*\*** Capable Luminaire

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<sup>®</sup> or control networks marked by a shaded background\*

To learn more about A+, visit <u>www.acuitybrands.com/aplus</u>.

\*See ordering tree for details

by this color ba										Function 1	71 10 1	40 2000	1 M FCT 1		
ORDERING INFORM	ATION	Lead times will	vary depending on options se	elected. Cor	nsult with your s	sales repres	sentative	•	<u> </u>	Example:		48 3000	IMFSIN	AVOLI 40	K SUCKI W
Series	Len	gth	Reflectors‡	Nomina	al lumens‡		Diffus	er	Voltage		Colo	r temper	ature	Color re index	endering
ZL1D LED striplig	nt L24	24" <b>‡</b>	(blank) Less reflector SMR Symmetric	1500LN 2500LN 3500LN	1 2,500 lume	ens	FST	Drop lens	MVOLT 120 208	120-277V 120V 208V	27K 30K 35K	2700 K 3000 K 3500 K		80CRI 90CRI	80 CRI 90 CRI
	L48	48"	(blank) Less reflector ASR Asymmetric SMR Symmetric	3000LN 5000LN 7000LN	1 5,000 lume	ens			240 277 347	240V 277V 347V <b>‡</b>	40K 50K	4000 K 5000 K			
TZL1D LED striplig	nt‡ L96	96"	(blank) Less reflector SMR Symmetric	6000LN 10000L 14000L	.M 10,000 lun	nens			480	480V <b>‡</b>					
Options												Paint fini	ch		
•	Diana ina min	•			In dist days 14										
PLR PLR1LVG E7W	Emergency	ing <del>‡</del> ing-low voltag battery pack, Noncompliant	<u>7W</u>		Individual C LBOZU LBHOSZU	360° low ON/OFF c	mount l	SXR PIR sensor, (7 y, pre-wired (LIN) SXR PIR sensor, (7	()‡	5 5		WH MB GALVB		ack ed fixture v stic lens en	
2E7W	Two Emerg CA Title 20	ency battery p Noncompliant	acks, <u>7W</u> <b>‡</b>		LBPZU	high/low 360° low	/ occupai mount l	SXR PIR sensor, (7 SXR PIR sensor, (7 , pre-wired ( <u>LINK</u> )	wired (LIN -15' moun	<u>K</u> )‡		GALVW	Galvanize	ed fixture v Istic lens ei	, vith
E10WLCP 2E10WLCP	Certified in Two Emerg	CA Title 20 M/ ency battery p	acks, 10W Linear Constant		LBMOSZU	360° low	mount l	, pre-wired ( <u>Link</u> ) SXR PIR sensor, (7 tching photocell, <sub> </sub>	'-15' moun						
E15WLCP	Power, Cer Emergency	tified in CA Titl	e 20 MAEDBS <mark>‡</mark> 15W Linear Constant Power,		<u>Cord sets:</u> ‡ CS1W	Cord witl 3 conduc		5-15P, 120V straigh ite, 6ft	nt blade pl	ug, 18 gauge,					
OUTEND BAA	Cord set to	exit endplate ( a(n) Act Comp	offixture		CS3W		h NEMA I	.5-15P, 120V twist	lock plug,	18 gauge,					
nLight® Wireless NLTAIR2 RLSXR10			enabled, 360° low mount		CS7W CS11W	3 conduc	tors, wh	7-15P, 277V straigh ite, 6ft .7-15P, 277V twist	•	5, 5 5 ,					
NLTAIR2 RLSXR10EM	nLight® Air sensor, (7 t	o 15' heights),	( <u>LINK</u> ) enabled, 360° low mount UL 924 Emergency Opera- detection (not available with		CS25W	3 conduc	tors, wh h NEMA I	ite, 6ft .24-20P, 347V twi	1 5,	5 5,					
	battery pa				CS97W	3 conduc	tors, wh		1 5,	5 5 .					
					CS93W	Cord only	y (no plu	g), 18 gauge, 3 cor	nductors, w	/hite, 6ft					

Accessories: Ord	der as separate catalog number.		
HC36 M12 ZACVH M100 ZLANGBKT SQ_	Hanger chain, 36" (1 pair) Adjustable 10' aircraft cable with Y hanger (1 pair) Luma-tilt™ angle bracket for shelf or ledge mounting only Swivel stem hanger (specify length in 2" increments up to 48")	ZLR L24 SYM UPL WH ZLR L24 SYM WH ZLR L46 SYM UPL WH ZLR L46 SYM WH ZLR L48 ASY WH	24" symmetric reflector with uplight, white finish 24" symmetric reflector, white finish 46" symmetric reflector with uplight, white finish 46" symmetric reflector, white finish 48" asymmetric reflector, white finish
NPP16D RPP20D	nLight <sup>®</sup> wired power/relay pack, 0-10VDC dimming output ( <u>LINK</u> ) nLight <sup>®</sup> air Generation 2 enabled, power/relay pack, 0-10V dimming output ( <u>LINK</u> )	ZLR L48 SYM UPL WH ZLR L48 SYM WH ZLR L92 SYM UPL WH ZLR L92 SYM WH	48" symmetric reflector with uplight, white finish 48" symmetric reflector, white finish 92" symmetric reflector with uplight, white finish 92" symmetric reflector, white finish
LSXR ZSPRG J2 WGZ24 WGZ48	Sensor Switch® LSXR occupancy sensor (LINK) Tong and T-grid hanger, for 15/16" T-grid (Order quantity required in multiples of 2) 24" wireguard, white <b>‡</b> 48" wireguard, white <b>‡</b>	ZLR L96 SYM UPL WH ZLR L96 SYM WH UNIVERSAL REFL ALIGNER	96" symmetric reflector with uplight, white finish 96" symmetric reflector, white finish Universal reflector aligners, quantity 1

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Option value	Restriction
2E7W	Utilizes (2) Power Sentry PS750L emergency drivers. MVOLT required. Available with L96 only. Not available with L24, L48, L96 6000LM or any cordset that includes a plug.
2E10WLCP	Utilizes (2) Power Sentry PS1055LCP emergency drivers. MV0LT required. Available with L96 10,000LM or 14000LM only. Not available with L24, L48, L96 6000LM or any cordset that includes a plug.
347, 480	Utilizes step down transformer.
Cordsets	Must specify voltage when plug is included. CS93W available with MVOLT. Cordsets exit back of fixture unless OUTEND option is specified.
E7W	Utilizes Power Sentry PS750L emergency driver. MV0LT required. Not available with L24 or any cordset that includes a plug.
E10WLCP	Utilizes Power Sentry PS1055LCP emergency driver. MVOLT required. Available with L48 or L96 only. Not available with L24 or any cordset that includes a plug.
E15WLCP	Utilizes Power Sentry PS1555LCP emergency driver. MVOLT required. Available with L96 only. Not available with L24, L48 or any cordset that includes a plug.
Individual Controls	Available with MVOLT, 347 or 480 only. See ordering information on page 6 for more configurations. 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. When choosing Sensor and PLR for same fixture, consult the factory. Sensors come prewired, they must be snapped into place at time of installation.
L24	Not available with 347V, 480V or Batteries
nLight® Wireless	See (LINK) in sensor description to RLSXR specification sheet for more configurations. When choosing a sensor and PLR for same fixture, consult the factory. Sensors come prewired, they must be snapped into place at time of installation.
NLTAIR2 RLSXR10EM	MVOLT only.
Nominal Lumens	See Operational Data on page 4 for actual lumens.
PLR	Not available with cordset options. See ordering information on page 5. When choosing a sensor and PLR for the same fixture, consult the factory.
PLR1LVG	Not available with cordset options.
Reflectors	Optional. Reflectors ship separately.
TZL1D	Tandem fixture comes as two L48 fixtures
WGZ24	Not available with ASR or SMR reflector options.
WGZ48	Not available with ASR or SMR reflector options. Order a Qty of 2 for L96 tandem fixtures.

OPER/	TIONAL DAT	A										
	Nominal lumen package	Length (inches)	CCT@7	umens 3000K 7°F (25°C) emperature	CCT @ 7	umens 3500K 7°F (25°C) emperature	CCT @ 7	umens 4000K 7°F (25°C) cemperature	CCT@7	umens 5000K 7°F (25°C) emperature	Wattage @ 120V/277V	Comparable Light Source
	раскауе		80 CRI	90 CRI	80 CRI	90 CRI	80 CRI	90 CRI	80 CRI	90 CRI	1200/2/70	
	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
g	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

## **PROJECTED LUMEN MAINTENANCE**

Operating Hours	0	15,000	30,000	45,000	60,000	100,000
Lumen Maintenance Factor	1	0.94	0.89	0.83	0.79	0.67

Knockout hole is .86in in diameter.

2.9882

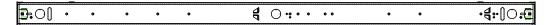
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### DIMENSIONS

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.	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"				

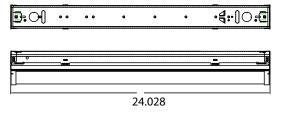






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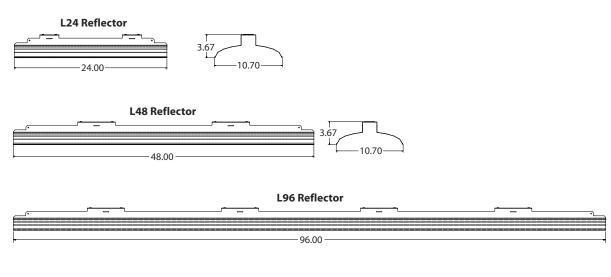


Mounting Hole Location - All Lengths

 φ
1.50

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## **REFLECTORS** (Optional)



## PHOTOMETRICS

Please see www.lithonia.com

## **PLUG-IN WIRING INFORMATION**

Advanced plug-in system with two-circuit capability. Available on industrial and strip products and a variety of architectural products mounted in continuous rows. PLR22 (2-circuit) and crossover harness switches hot circuit serving next fixture in row. Reduces fixture types on job for alternating circuit applications (see example below.)

Easy one-step installation, saves up to 35% on labor costs. Expanded switching flexibility helps save energy.

Rows can be 50% longer with two-circuit systems. Polarized, lock-together nylon connectors prevent miswiring in the field. #12 THHN conductor, rated 600V, 90°C. White neutral wire included. Grounding accomplished by fixture in-row connectors.

CSA certified systems available with up to 2 circuits. G ground required.

Not for use with dedicated emergency circuits.

Note: Specifications subject to change without notice.

ORDERING IN	IFORMATIO	Lead times will vary deper	nding on op	tions selected. Consult with your sale	s representati	ve.	1			
Series	Number	of hot wires	Branch	circuits			Din	nming	Gro	ound
PLR PLR22	(blank) 1 2	Not required for PLR22 Black Black and red		<u>to which driver is connected</u> Not required for PLR22 or PLR1 Black wire Red wire	<u>Battery (</u> (blank) ELA ELB	<u>harging circuit (must be unswitched)</u> No battery charging circuit Battery pack circuit wired to black wire Battery pack circuit wired to red wire	LV	Low-voltage dimming	G	Ground (required)

#### **Typical Applications**

• Multiple-circuit and single-circuit for longer continuous rows

- Multiple-circuit with alternating fixtures on separate circuits and 2-circuit PLR22
- · Multiple circuit with night-lights located along row as desired

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3.67

PLR

Wiring

Advanced 1	or 2-Circuit	Plug-In
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## LSXR — Fixture Mount Occupancy Sensor (see

#### www.AcuityControls.com for additional information)

- Three interchangeable lens options to satisfy multiple mounting heights and coverage pattern requirements.
- Integrated mounting bracket drops lens down 3" from chase nipple.
- Single or dual relay versions designed with robust protection from the harsh switching requirements of T5 and LED loads.
- Photocell and 0-10VDC dimming options.
- No PIR field calibration or sensitivity adjustments required.
- Sensor ambient temperature rating of 14°F (-10°C) to 131°F (55°C).

LSXR configuration	Comparable CMRB sensor	Old style sensor nomenclature							
For shortest lead ti	or shortest lead times use one of the following LSXR configuration								
LCOZU	CMRB 50	MSI							
LCHOSZU	CMRB 50 D	MSID							
LCPZU	CMRB 50 P	MSIPED							
LAOZU	CMRB 6	MSI360							
LAHOSZU	CMRB 6 D	MSI360D							
LAPZU	CMRB 6 P	MSI360PED							

### SELECTIONS BELOW WILL EXTEND ORDER LEAD TIME. CONSULT YOUR SALES REPRESENTATIVE FOR DETAILS.

#### SINGLE RELAY

### ORDERING INFORMATION

ORDERING INFORMATION

Example: LAHOSZU

Series Lens option	Dimming/Photocell	Max. dim level	Min. dim level	Temp/Humidity	Default occupancy time delay
L LSXR passive infrared indoor occupancy sensor C High mount aisleway	<ul> <li>None<sup>1</sup></li> <li>High/low occupancy operation</li> <li>Switching photocell (on/off)<sup>1</sup></li> <li>Dimming and switching photocell</li> <li>G Dimming and switching photocell with high/low occupancy operation</li> </ul>	0 10 VDC 9 9 VDC 8 8 VDC 7 7 VDC	SMinimum dim level of ballast11 VDC22 VDC33 VDC44 VDC55 VDC66 VDC	Z None T Low temperature <sup>2</sup>	l 30 sec D 2.5 min X 5.0 min R 7.5 min U 10.0 min (with minimum 15 minute on time) V 15.0 min W 20.0 min Y 30.0 min

Notes

1 Max and min dim levels not applicable with this option.

2  $\,$  Ambient temperature rating of -4°F (-20°C) to 131°F (55°C).

Example: LA2KZU

### DUAL RELAY (Available with 120, 277, and 347V only)

Series	Lens option	Poles	Operating mode	Temp/Humidity	Default occupancy time delay
L LSXR passive infrared indoor occupancy sensor	A High mount, 360° B Low mount, 360° C High mount aisleway	2 Dual relay	<ul> <li>J None</li> <li>K Alternating off relays (promotes even lamp wear)</li> <li>O Alternating off relays w/photocell</li> <li>P Switching photocell(on/off)</li> <li>E Photocell on/off (pole 1 only)</li> <li>F Photocell on/off - both poles (dual set-point)</li> </ul>	Z None T Low tempera- ture <sup>1</sup>	<ul> <li>I 30 sec</li> <li>D 2.5 min</li> <li>X 5.0 min</li> <li>R 7.5 min</li> <li>U 10.0 min (with minimum 15 minute on time)</li> <li>V 15.0 min</li> <li>W 20.0 min</li> <li>Y 30.0 min</li> </ul>

### Example: LENS 50 J100

Replacement lenses: Order as separate catalog number.				
<u>Series</u> LENS	10 Lo	gh mount 360° w mount 360° gh mount aisleway	<u>Package</u> [blank] J10 J100	<u>quantity</u> Single Lens 10-pack 100-pack

Notes

1 Ambient temperature rating of -4°F (-20°C) to 131°F (55°C).

## **OPTIONS AND ACCESSORIES**

The Z Series fixture offers numerous options for almost every electrical and optical component, including a long list of field-installable accessories.



#### HANGER CHAIN

36" chain with Y hanger.

Order as: HC36



#### Z SPRING HANGER

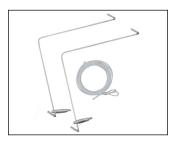
ANGLE MOUNTING BRACKET Luma-tilt™ angle bracket ships as a pair

Snap 'n' lock design requires no fasteners and can be used on T-grid ceiling or universal mounting systems.

Order as: ZSPRG

Order as:

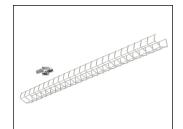
ZLANGBKT



**ZACVH HANGER** 10' Aircraft cable with Y hanger.

Order as: ZACVH





#### WIRE GUARD

Order as: WGZ24 WGZ48