LITHONIA LIGHTING®

Catalog Number	
Notes	
Type	

LED Striplight

ZL1

24", 46", 48", 92" & 96" Lengths

FEATURES & SPECIFICATIONS

INTENDED USE — Built on the compact, low-profile Z strip channel, this solid-state strip offers long maintenance-free life, several color temperatures, lumen outputs and lengths. Ideal for new construction and retrofit applications in both T5 and T8 lengths. Ideal for uplight and downlight in commercial, retail, manufacturing, warehouse, cove and display applications.

CONSTRUCTION — Compact-design channel and cover are formed from code-gauge cold-rolled steel. Improved easy "snap 'n' lock" end plates allow for quick attachment.

Finish: High-gloss, baked white enamel (standard). Five-stage iron phosphate pre-treatment ensures superior paint adhesion and rust resistance. Finish options include galvanized (GALV), matte black (MB) and smoke gray (SKGY).

OPTICS — LEDs provide 83 CRI at 3000K, 3500K or 4000K.

Lumen output ranges from 1700 to 6000 lumens. Beam angle is 110 FWHM (full width at half maximum).

ELECTRICAL — Utilizes high-brightness LEDs integrated on a two-layer circuit board, ensuring cool-running operation. Internal pluggable wiring harness prevents wiring errors. Electronic LED driver is rated for 75 input watts maximum, multi-volt input and 0-10V dimming standard.

In 30°C (86°F) ambient environments, L70 is predicted to be greater than 100,000 hours; L86 is predicted to be 60,000 hours. Luminaire should be installed in applications where ambient temperatures do not exceed 30°C (86°F). Ambient temperatures that exceed 30°C (86°F) will result in reduced life and will void warranty.

INSTALLATION — Tool-less channel cover for easy installation.

Fixture may be surface, pendant or stem mounted. Three-point aligner locks in place for easy continuous row mounting.

LISTINGS — CSA Certified to US and Canadian safety standards. Damp location listed between -25°C (-13°F) and 30°C (86°F).

WARRANTY — 5-year limited warranty. Complete warranty terms located at www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

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

Note: Specifications subject to change without notice.

CONFIGURATIONS

All dimensions are shown in inches (centimeters) unless otherwise noted.

WIDTH	DEPTH	LENGTH	LUMENS	WATTAGE	COMPARABLE FLUORESCENT
2-1/2 (6.4)	1-3/4 (4.4)	46 (116.8) or 48 (121.9)	6000	75	2-lamp 32W T8 or 2-lamp 28W T5
		46 (116.8) or 48 (121.9)	2800	32	1-lamp 32W T8 or 1-lamp 28W T5
		24 (61.0)	3000	39	2-lamp 17W T8 or 2-lamp 15W T5
		24 (61.0)	1700	21	1-lamp 17W T8 or 1-lamp 15W T5
		92 (233.7) or 96 (243.8)	12000	150	4-lamp 32W T8 or 4-lamp 28W T5
		92 (233.7) or 96 (243.8)	5600	64	2-lamp 32W T8 or 2-lamp 28W T5

All dimensions are inches (centimeters) unless otherwise indicated.

ORDERING INFORMATION

For shortest lead times, configure product using **standard options (shown in bold).**

Example: ZL1 L46 2800L LP840

Series		Length		Lumens		Voltage		Lamp		Options		Finish	
ZL1	LED striplight	L24	24"	1700L	1700 lumens[1]	**(blank)**	MVOLT	**LP840**	83 CRI, 4000K	PLR	Plug-in wiring[4]	**(blank)**	White
		L46	46"	3000L	3000 lumens[1]			LP830	83 CRI, 3000K	BDP	Ballast disconnect plug	GALV	Galvanized
		L48	48"	**2800L**	2800 lumens[2]			LP835	83 CRI, 3500K	MSE360LBZ	360° motion sensor; for mounting within row or at end of row	MB	Matte black
TZL1	LED striplight			6000L	6000 lumens[2]							SKGY	Smoke gray
		L92	92"	5600L	5600 lumens[3]								
		L96	96"	12000L	12000 lumens[3]								

Accessories: Order as separate catalog number.

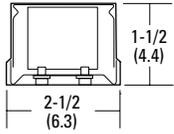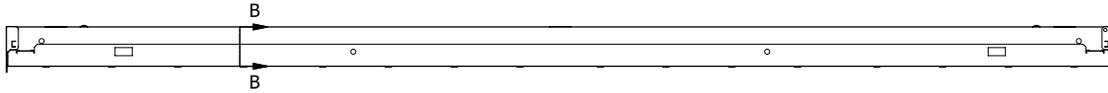|					
HC36	Hanger chain, 36"	ZACF120	Aircraft cable with feed, 120"	SFR7KIT	Mini 360° motion sensor[5]
ZACVH	Aircraft cable with hook	ZAC144	Aircraft cable, 144"	ZSPRG	For 15/16" T-grid only
ZAC72	Aircraft cable, 72"	ZACF144	Aircraft cable with feed, 144"	WGZ24	24" wireguard, white
ZACF72	Aircraft cable with feed, 72"	CMRB-50	Aisle motion sensor[5]	WGZ46	46" wireguard, white[6]
ZAC120	Aircraft cable, 120"	CMRB-6	360° motion sensor[5]	WGZ48	48" wireguard, white[6]

MSE360LBZ

Notes
1. Available with 24" only.
2. Available with 46" and 48" only.
3. Available with 92" and 96" only.
4. See ordering information on page 2.
5. Field installed only.
6. Order 2 for tandem double length fixtures (TZL1)

DIMENSIONS

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

B

B

1-1/2 (4.4)

2-1/2 (6.3)

PHOTOMETRICS

Please see www.lithonia.com.

PRODUCT INFORMATION

Advanced plug-in system with three-circuit capability. Available on industrial and strip products and a variety of architectural products mounted in continuous rows. 1, 2, 3 and 4-lamp fixtures. PLR22 (2-circuit) and PLR33 (3-circuit) crossover harness switches hot circuit serving next fixture in row. Reduces fixture types on job for alternat-ing 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.

Note: Specifications subject to change without notice.

Wiring

PLR

Advaned 3-Circuit Plug-In

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

Series	Number of hot wires		Branch circuits				Ground	
PLR	(blank)	Not required for 22 or 33	Circuits to which ballast is connected		C	Blue wire[1]	(blank)	No ground in PLR
PLR22	1	Black	(blank)	Not required for 22 or 33	AB	Outboard lamps to black, inboard to red	G	Ground. Maximum 2 circuits
PLR33	2	Black and red	A	Black wire	AC	Outboard lamps to black, inboard to blue		
	3	Black, red and blue[1]	B	Red wire				

ADDITIONAL INFORMATION   For additional product information, visit www.lithonia.com.

Typical Applications

- Multiple-circuit and single-circuit for longer continuous rows
- Multiple-circuit with alternating fixtures on separate circuits, 2-circuit (PLR 22) and 3-circuit (PLR 33)
- Multiple circuit with night-lights located along row as desired

TYPICAL APPLICATIONS										
PLR 3 C	PLR 3 C	PLR 3 C	PLR 3 C	PLR 2 B	PLR 2 B	PLR 2 B	PLR 2 B	PLR 1	PLR 1	PLR 1
(All PLR22)										
Circuit A	Circuit B	Circuit A	Circuit B	Circuit A	Circuit B	Circuit A	Circuit B	Circuit A	Circuit B	Circuit A
(All PLR33)										
Circuit A	Circuit B	Circuit C	Circuit A	Circuit B	Circuit C	Circuit A	Circuit B	Circuit C	Circuit A	Circuit B
PLR 3 A	PLR 3 A	PLR 3 A	PLR 3 C	PLR 3 B	PLR 3 B	PLR 3 B	PLR 3 C	PLR 3 A	PLR 3 A	PLR 3 A

Notes

1 Ground not available.

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