

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 integrity of acrylic.** [Click here for Acrylic Environmental 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). 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 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 1.5kV 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 -4 °F (-20 °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/QPL to confirm which versions are qualified.

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

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.

| |
|----------------|
| Catalog Number |
| Notes |
| Type |



LED Striplight

ZL1D

24", 48" and 96" Lengths



ORDERING INFORMATION

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

Example: ZL1D L48 3000LM FST MVOLT 40K 80CRI WH

| Series | Length | Nominal lumens ¹ | Diffuser | Voltage | Color temperature | Color rendering index | Options | Paint finish |
|----------------------|---------|----------------------------------|---------------|-----------------------|-------------------|-----------------------|---|----------------|
| ZL1D LED striplight | L24 24" | 1500LM 1,500 lumens ² | FST Drop lens | MVOLT 120-277V | 30K 3000 K | 80CRI 80 CRI | PLR Plug-in wiring ⁴ | WH White |
| | | 2500LM 2,500 lumens ² | | 120 120V | 35K 3500 K | 90CRI 90 CRI | | MB Matte black |
| | L48 48" | 3500LM 3,500 lumens | | 208 208V | 40K 4000 K | | PLR1LVG Plug-in wiring-low voltage | |
| | | 3000LM 3,000 lumens | | 240 240V | 50K 5000 K | | | |
| TZL1D LED striplight | L96 96" | 5000LM 5,000 lumens | | 277 277V | | | E7W Emergency battery pack ^{3,5} | |
| | | 7000LM 7,000 lumens | | 347 347V ³ | | | | |
| | | 6000LM 6,000 lumens | | 480 480V ³ | | | | |
| | | 10000LM 10,000 lumens | | | | | | |
| | | 14000LM 14,000 lumens | | | | | | |

Accessories: Order as separate catalog number.

| | | | |
|----------|---|-------|---|
| HC36 | Hanger chain, 36" | LSXR | Sensor Switch® LSXR occupancy sensor ⁴ |
| ZACVH | Aircraft cable 10' (one pair) | ZSPRG | For 15/16" T-grid only |
| ZLANGBKT | Luma-tilt™ angle bracket for shelf or ledge mounting only | WGZ24 | 24" wireguard, white |
| NPP16D | nLight® switching/dimming module | WGZ48 | 48" wireguard, white ⁶ |

Notes

- See Operational Data on page 2 for actual lumens.
- Not available with 0-10V dimming option.
- Not available with L24, 24" fixture. 347V and 480V utilize a step-down transformer.
- See ordering information on page 3.
- Must specify voltage. 120, 208, 240 or 277V.
- Order 2 for tandem double length fixtures (TZL1D).

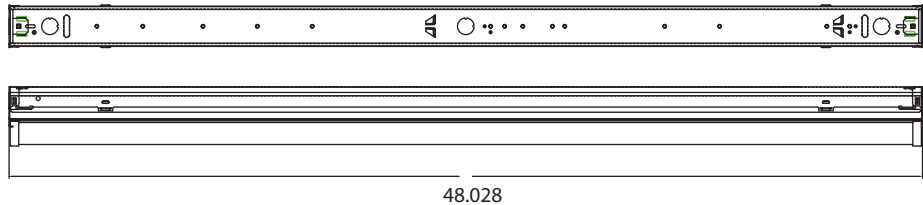
ZL1D LED Striplight

| 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 | Comparable light source |
| 1,500LM | 24 | 1,966 | 2,013 | 2,047 | 2,141 | 18W | 1-lamp 17W T8 |
| 2,500LM | 24 | 2,679 | 2,734 | 2,808 | 2,832 | 22W | 1-lamp 32W T8, 1-lamp 54W T5HO, 50W HID |
| 3,500LM | 24 | 4,210 | 4,295 | 4,412 | 4,450 | 39W | 1-lamp 32W T8, 1-lamp 54W T5HO, 50W HID |
| 3,000LM | 48 | 3,740 | 3,830 | 3,894 | 4,073 | 33W | 1-lamp 32W T8, 1-lamp 54W T5HO, 50W HID |
| 5,000LM | 48 | 5,245 | 5,352 | 5,497 | 5,544 | 42W | 2-lamp 32W T8, 1-lamp 54W T5HO, 70W HID |
| 7,000LM | 48 | 7,403 | 7,553 | 7,758 | 7,825 | 67W | 3-lamp 32W T8, 2-lamp 54W T5HO, 100W HID |
| 6,000LM | 96 | 7,431 | 7,609 | 7,737 | 8,093 | 60W | 3-lamp 32W T8, 2-lamp 54W T5HO, 100W HID |
| 10,000LM | 96 | 10,456 | 10,669 | 10,958 | 11,052 | 83W | 4-lamp 32W T8, 2-lamp 54W T5HO, 100W HID |
| 14,000LM | 96 | 14,927 | 15,231 | 15,644 | 15,778 | 134W | 4-lamp 32W T8, 3-lamp 54W T5HO, 150W HID |

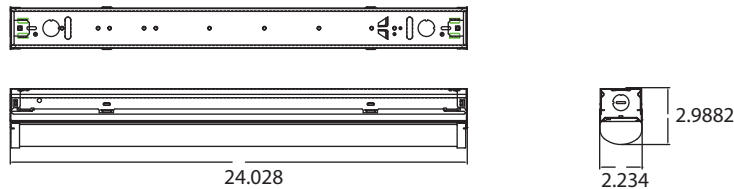
DIMENSIONS

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. | 176 | 46" X 51" X 31 5/8" |
| L48 | 13 lbs. | 176 | 46" X 51" X 31 5/8" |
| L96 | 26 lbs. | 176 | 46" X 98 1/2" X 31 3/8" |



ZL1D L48



ZL1D L24

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 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.

Note: Specifications subject to change without notice.



PLR

Advanced 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 | Dimming | Ground |
|--------|-----------------------------------|--|------------------------|------------------------------|
| PLR | (blank) Not required for 22 or 33 | Circuits to which ballast is connected | LV Low-voltage dimming | (blank) No ground in PLR |
| PLR22 | 1 Black | (blank) Not required for 22 or 33 | | G Ground. Maximum 2 circuits |
| PLR33 | 2 Black and red | A Black wire | | |
| | 3 Black, red and blue | | | |

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 |

PRODUCT INFORMATION

A standard occupancy time delay is also present to ensure lights turn off (once minimum on timer has also elapsed) if no occupancy is detected.

This timer is factory set at 10 minutes to promote energy savings, but is adjustable between 30 seconds and 30 minutes. These adjustments may be done through the unit's push-button.

FEATURES

- Four interchangeable lenses - high mount 360°, low mount 360°, high mount aisleway, and small motion 360°.
- Integrated mounting bracket drops lens down 3" from chase nipple - no bracket accessory required.
- 100% digital PIR detection - provides excellent RF immunity

Note: Specifications subject to change without notice.



LSXR

Single Relay

AcuityControls
Sensor Switch

ORDERING INFORMATION

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

Example: LSXR 10 ADC HVOLT 30M

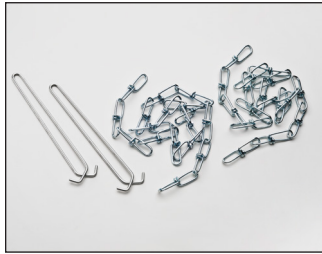
| LSXR | | Lens option | | | | Dimming/photocell | |
|--------|--|-------------|---------------------|-----|--------------------------------------|-------------------|---|
| Series | Passive Infrared Indoor Occupancy Sensor | (blank) | No lens | 610 | High and low mount 360° | (blank) | None |
| | | 6 | High mount, 360° | 650 | High mount 360° and aisleway | HL | High/low occupancy operation |
| | | 10 | Low mount, 360° | 3PK | High and low mount 360° and aisleway | P | Switching photocell (on/off) |
| | | 50 | High mount aisleway | 4PK | All lenses | ADC | Dimming and switching photocell |
| | | 9 | Small motion, 360° | | | ANL | Dimming and switching photocell with high/low occupancy operation |

| Voltage | Max dim level | Min dim level | Lead length | Temp humidity | Default time delay |
|-----------------------------|----------------|--|-------------|--------------------|--|
| (blank) 120-277 VAC (MVOLT) | (blank) 10 VDC | (blank) Minimum dimming level of ballast | (blank) 14" | (blank) None | (blank) 10 minutes (with minimum 15 minutes on time) |
| HVOLT 347-480 VAC | 9H 9 VDC | 1V 1 VDC | 42L 42" | LT Low temperature | 5M 5 minutes (LED only) |
| | 8H 8 VDC | 2V 2 VDC | | | 15M 15 minutes |
| | 7H 7 VDC | 3V 3 VDC | | | 20M 20 minutes |
| | | 4V 4 VDC | | | 30M 30 minutes |
| | | 5V 5 VDC | | | |
| | | 6V 6 VDC | | | |

For additional information see www.lithonia.com

OPTIONS AND ACCESSORIES

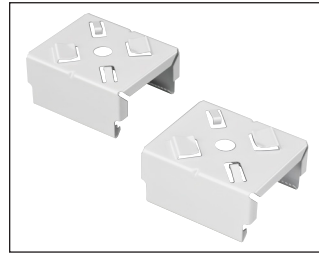
The Z Series fixture offers numerous options for almost every electrical and optical component, including a long list of field-installable accessories.



HANGER CHAIN

36" chain with Y hanger.

Order as:
HC36



Z SPRING HANGER

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

Order as:
ZSPRG



ZACVH HANGER

10' Aircraft cable with Y hanger.

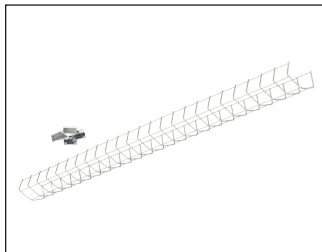
Order as:
ZACVH



ANGLE MOUNTING BRACKET

Luma-tilt™ angle bracket ships as a pair

Order as:
ZLANGBKT



WIRE GUARD

Order as:
WGZ24
WGZ48