

## 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). 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 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 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 [www.designlights.org](http://www.designlights.org) to confirm which versions are qualified.

**WARRANTY** — 5-year limited warranty. Complete warranty terms located at: [www.acuitybrands.com/CustomerResources/Terms\\_and\\_conditions.aspx](http://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

# HZL1D

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® or XPoint™ Wireless control networks marked by a **shaded background\***

To learn more about A+, visit [www.acuitybrands.com/aplus](http://www.acuitybrands.com/aplus).

\*See ordering tree for details

# HZL1D LED Striplight



A+ Capable options indicated by this color background.

## ORDERING INFORMATION

Example: HZL1D L48 5000LM FST MVOLT 40K 80CRI WH

| Series                | Length  | Nominal lumens <sup>1</sup> | Diffuser              | Voltage        | Color temperature |
|-----------------------|---------|-----------------------------|-----------------------|----------------|-------------------|
| HZL1D LED striplight  | L24 24" | 1500LM 1,500 lumens         | FST Drop lens         | MVOLT 120-277V | 30K 3000 K        |
|                       |         | 2500LM 2,500 lumens         |                       | 120 120V       | 35K 3500 K        |
|                       |         | 3500LM 3,500 lumens         |                       | 208 208V       | 40K 4000 K        |
|                       | L48 48" | 3000LM 3,000 lumens         |                       | 240 240V       | 50K 5000 K        |
|                       |         | 5000LM 5,000 lumens         |                       | 277 277V       |                   |
| HTZL1D LED striplight | L96 96" | 7000LM 7,000 lumens         | 347 347V <sup>2</sup> |                |                   |
|                       |         | 6000LM 6,000 lumens         | 480 480V <sup>2</sup> |                |                   |
|                       |         | 10000LM 10,000 lumens       |                       |                |                   |
|                       |         | 14000LM 14,000 lumens       |                       |                |                   |

| Color rendering index | Options   | Paint finish   |
|-----------------------|---|--|
| 80CRI 80 CRI          | PLR___ Plug-in wiring <sup>3,4</sup>  | WH White   |
| 90CRI 90 CRI          | PLR1LVG Plug-in wiring low voltage <sup>4</sup>   | MB Matte black   |
|                       | E7W Emergency battery pack 7W (not available for California) <sup>6,7</sup>                             | GALVB Galvanized fixture with black plastic lens endcaps |
|                       | 2E7W Two Emergency battery pack 7W (not available for California) <sup>6,7,8</sup>                      | GALVW Galvanized fixture with white plastic lens endcaps |
|                       | E10WLCP Emergency battery pack, 10W Linear Constant Power, CA Title 20 compliant <sup>5,6</sup>         |  |
|                       | 2E10WLCP Two Emergency battery packs, 10W Linear Constant Power, CA Title 20 Compliant <sup>5,6,7</sup> |  |
|                       | E15WLCP Emergency battery pack, 15W Linear Constant Power, CA Title 20 compliant <sup>5,6,7</sup>       |  |
|                       | OUTEND Cord set to exit endplate of fixture   |  |
|                       | LBOZU 360° low mount motion sensor, pre-wired <sup>8</sup>  |  |
|                       | LBHOSZU 360° low mount motion sensor with dimming, pre-wired <sup>8</sup>                               |  |
|                       | LBPZU 360° low mount motion sensor with photocell, pre-wired <sup>8</sup>                               |  |
|                       | LBMOSZU 360° low mount motion sensor, dimming & switching photocell, pre-wired <sup>8</sup>             |  |
|                       | <u>Cord sets:</u> <sup>9</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)  |  |

| Accessories: Order as separate catalog number. |   |
|--|---|
| HC36   | Hanger chain, 36"   |
| ZACVH  | Aircraft cable with hook                                  |
| ZLANGBKT                                       | Luma-tilt™ angle bracket for shelf or ledge mounting only |
| SQ_  | Stem kit, 2" increments up to 48"                         |
| nPP16D   | nLight® switching/dimming module                          |
| LSXR   | Sensor Switch® LSXR occupancy sensor <sup>3</sup>         |
| ZSPRG  | For 15/16" T-grid only                                    |
| WGZ24  | 24" wireguard, white                                      |
| WGZ48  | 48" wireguard, white <sup>10</sup>                        |
| ZLR L24 SYM UPL WH                             | 24" symmetric reflector with uplight, white finish        |
| ZLR L24 SYM WH                                 | 24" symmetric reflector, white finish                     |
| ZLR L46 SYM UPL WH                             | 46" symmetric reflector with uplight, white finish        |
| ZLR L46 SYM WH                                 | 46" symmetric reflector, white finish                     |
| ZLR L48 ASY WH                                 | 48" asymmetric reflector, white finish                    |
| ZLR L48 SYM UPL WH                             | 48" symmetric reflector with uplight, white finish        |
| ZLR L48 SYM WH                                 | 48" symmetric reflector, white finish                     |
| ZLR L92 SYM UPL WH                             | 92" symmetric reflector with uplight, white finish        |
| ZLR L92 SYM WH                                 | 92" symmetric reflector, white finish                     |
| ZLR L96 SYM UPL WH                             | 96" symmetric reflector with uplight, white finish        |
| ZLR L96 SYM WH                                 | 96" symmetric reflector, white finish                     |

### Notes

- See Operational Data on page 2 for actual lumens.
- Not available with L24, 24" fixture. 347V and 480V utilize a step-down transformer.
- See ordering information on page 5.
- Not available with cordsets.
- Not available with L24, 24" fixture. See spec sheet [PS105SLCP](#), [PS155SLCP](#) and [PS750L](#) for more information.
- Must specify voltage: 120, 208, 240 or 277V.
- Only available with 8' (96") fixtures.
- Voltage must be specified. This sensor configuration is suitable for minimum ambient temperature of 14°F (-10°C). See page 5 for low temperature option providing -4°F (-20°C) minimum ambient temperature. Sensors come prewired, they must be snapped into place at time of installation.
- Cordsets exit back of fixture unless OUTEND option is specified. Must specify voltage (not required when ordering CS93W).
- Order 2 for tandem double length fixtures (TZL1D).

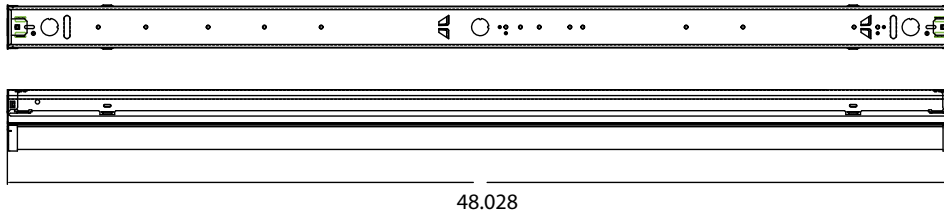
# HZL1D LED Striplight

| 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/277V | Comparable Light Source                  |
|                  |                       |                 | 80 CRI  | 90 CRI | 80 CRI  | 90 CRI | 80 CRI  | 90 CRI | 80 CRI  | 90 CRI |                     |  |
| Lensed           | 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 T5HO, 50W HID  |
|                  | 3000LM                | 48              | 3880  | 3163   | 3966  | 3274   | 4028  | 3336   | 4176  | 3410   | 30                  | 1-lamp 32W T8, 1-lamp 54W T5HO, 50W HID  |
|                  | 5000LM                | 48              | 5337  | 4351   | 5456  | 4504   | 5541  | 4589   | 5745  | 4691   | 41                  | 2-lamp 32W T8, 1-lamp 54W T5HO, 70W HID  |
|                  | 7000LM                | 48              | 7317  | 5965   | 7480  | 6175   | 7596  | 6291   | 7876  | 6431   | 59                  | 3-lamp 32W T8, 2-lamp 54W T5HO, 100W HID |
|                  | 6000LM                | 96              | 8077  | 6585   | 8257  | 6816   | 8386  | 6945   | 8694  | 7099   | 60                  | 4-lamp 32W T8, 2-lamp 54W T5HO, 100W HID |
|                  | 10000LM               | 96              | 11021   | 8985   | 11267   | 9301   | 11442   | 9477   | 11864   | 9687   | 81                  | 3-lamp 32W T8, 2-lamp 54W T5HO, 100W HID |
|                  | 14000LM               | 96              | 15397   | 12553  | 15741   | 12995  | 15986   | 13240  | 16574   | 13534  | 121                 | 4-lamp 32W T8, 3-lamp 54W T5HO, 150W HID |

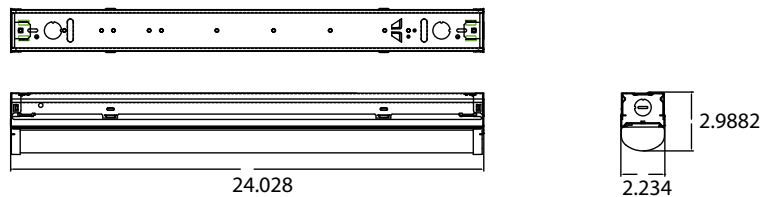
## DIMENSIONS

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.            | 63                  | 46" X 98 1/2" X 31 3/8"                   |



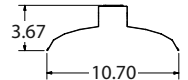
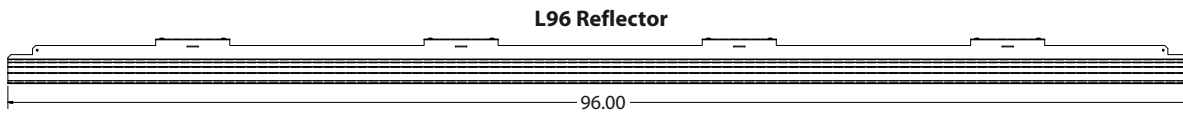
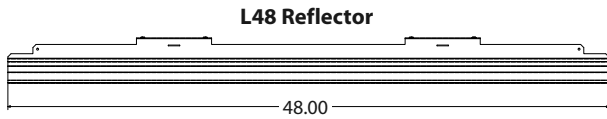
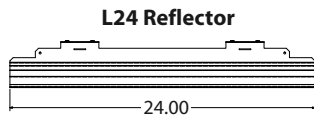
HZL1D L48



HZL1D L24

# HZL1D LED Striplight

## REFLECTORS (Optional)



## PRODUCT 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, 1, 2, 3 and 4-lamp fixtures. 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.

Note: Specifications subject to change without notice.



Wiring

# PLR

Advanced 1 or 2-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 | <u>Circuits to which ballast is connected</u> | LV Low-voltage dimming | G Ground |
| PLR22  | 1 Black                     | (blank) Not required for 22                   |                        |          |
|        | 2 Black and red             | A Black wire                                  |                        |          |
|        |                             | B Red wire                                    |                        |          |

### Typical Applications

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

# HZL1D LED Striplight

## LSXR — Fixture Mount Occupancy Sensor (see [www.AcuityControls.com](http://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 |
|---|------------------------|-------------------------------|
| <b>For shortest lead times use one of the following LSXR configurations</b> |                        |                               |
| LCOZU   | CMRB 50                | MSI                           |
| LCH0SZU   | CMRB 50 D              | MSID                          |
| LCPZU   | CMRB 50 P              | MSIPED                        |
| LAOZU   | CMRB 6                 | MSI360                        |
| LAH0SZU   | 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

**Example:** LAH0SZU

| Series  | Lens option   | Dimming/Photocell                           | Max. dim level                    | Min. dim level                 | Temp/Humidity                  | Default occupancy time delay |   |
|---|---|---|-----------------------------------|--------------------------------|--------------------------------|------------------------------|---|
| L LSXR passive infrared indoor occupancy sensor | A High mount, 360°  | O None <sup>1</sup>                         | 0 10 VDC                          | S Minimum dim level of ballast | Z None                         | I 30 sec                     |   |
|   |   | H High/low occupancy operation              | 9 9 VDC                           |                                | T Low temperature <sup>2</sup> | D 2.5 min                    |   |
|   | B Low mount, 360°   | P Switching photocell (on/off) <sup>1</sup> | 8 8 VDC                           |                                | 1 1 VDC                        | X 5.0 min                    |   |
|   |   | C High mount aisleway                       | M Dimming and switching photocell |                                | 7 7 VDC                        | 2 2 VDC                      | R 7.5 min                                   |
|   | G Dimming and switching photocell with high/low occupancy operation |   |                                   |                                | 3 3 VDC                        | 4 4 VDC                      | U 10.0 min (with minimum 15 minute on time) |
|   |   |   |                                   |                                | 5 5 VDC                        | 6 6 VDC                      | 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).

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

#### ORDERING INFORMATION

**Example:** LA2KZU

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

#### Notes

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

**Example:** LENS 50 J100

| Replacement lenses: Order as separate catalog number. |                        |                     |
|---|------------------------|---------------------|
| Series  | Lens type              | Package quantity    |
| LENS  | 6 High mount 360°      | [blank] Single Lens |
|   | 10 Low mount 360°      | J10 10-pack         |
|   | 50 High mount aisleway | J100 100-pack       |

## OPTIONS AND ACCESSORIES

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

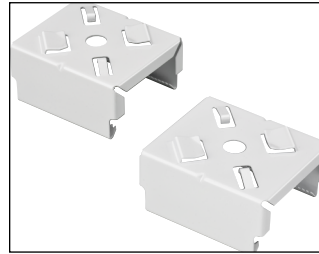


### HANGER CHAIN

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

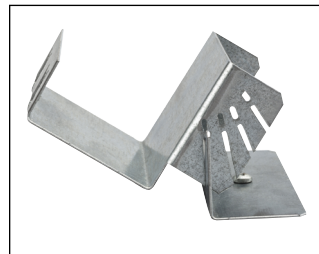


### ZACVH HANGER

10' Aircraft cable with Y hanger.

Order as:

ZACVH

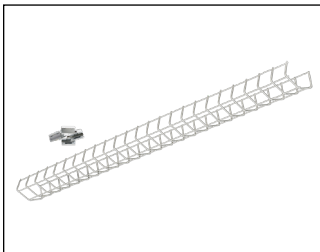


### ANGLE MOUNTING BRACKET

Luma-tilt™ angle bracket ships as a pair

Order as:

ZLANGBKT



### WIRE GUARD

Order as:

WGZ24

WGZ48