

## 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 T5 and T8 lengths. Ideal for uplight and downlight in commercial, retail, manufacturing, warehouse, cove 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 row aligner included for continuous row mounting.

Finish: Paint options include high-gloss, baked white enamel (WH), galvanized (GALV), matte black (MB) and smoke gray (SKGY). 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. L/LENS option available.

**ELECTRICAL** — L70>60,000hours. 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 nominal 80 CRI at 3000 K, 3500 K, 4000 K, or 5000 K.

Lumen output up to 2,000 lumens per foot. In 86°F (30°C) ambient environments. Luminaire should be installed in applications where ambient temperatures do not exceed 86°F (30°C).

**INSTALLATION** — Tool-less channel cover for easy installation.

Fixture may be surface mounted (with or without ZSPRG hanger), pendant or stem mounted with appropriate mounting options. Three-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](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.



LED Striplight

# ZL1N

24", 48" and 96" Lengths



### A+ 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](#)\*

\*See ordering tree for details

# ZL1N LED Striplight



A+ Capable options indicated by this color background.

## ORDERING INFORMATION

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

**Example:** ZL1N L48 3000LM FST MVOLT 40K 80CRI WH

| Series               | Length             | Reflectors                                 | Nominal lumens <sup>1</sup>      | Diffuser  | Voltage               |
|----------------------|--------------------|--|----------------------------------|---|-----------------------|
| ZL1N LED striplight  | L24 24"            | SMR Symmetric                              | 1500LM 1,500 lumens <sup>2</sup> | FST Snap on frosted, diffuse                                | MVOLT 120-277V        |
|                      |                    |  | 2500LM 2,500 lumens <sup>2</sup> |   | L/LENS No diffuser    |
|                      | L46 46"<br>L48 48" | ASR Asymmetric (L48 only)<br>SMR Symmetric | 3000LM 3,000 lumens              | SBL FST Straight blade louver with snap on frosted, diffuse | 208 208V              |
|                      |                    |  | 5000LM 5,000 lumens              |   | 240 240V              |
| TZL1N LED striplight | L92 92"<br>L96 96" | SMR Symmetric                              | 7000LM 7,000 lumens              |   | 277 277V              |
|                      |                    |  | 6000LM 6,000 lumens              |   | 347 347V <sup>3</sup> |
|                      |                    |  | 10000LM 10,000 lumens            |   | 480 480V <sup>3</sup> |
|                      |                    |  | 14000LM 14,000 lumens            |   |                       |

| Color temperature | Color rendering index | Options  | Paint finish    |
|-------------------|-----------------------|--|-----------------|
| 30K 3000 K        | 80CRI 80 CRI          | PLR Plug-in wiring <sup>4</sup>                            | WH White        |
| 35K 3500 K        | 90CRI 90 CRI          | PLR1LVG Plug-in wiring-low voltage                         | GALV Galvanized |
| 40K 4000 K        |                       | E7W Emergency battery pack <sup>3,5</sup>                  | MB Matte black  |
| 50K 5000 K        |                       | OUTEND Cord set to exit endplate of fixture                | SKGY Smoke gray |
|                   |                       | Cord sets: <sup>6</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 10' (one pair)                             |
| ZLANGBKT                                       | Luma-tilt™ angle bracket for shelf or ledge mounting only |
| NPP16D   | nLight® switching/dimming module                          |
| LSXR   | Sensor Switch® LSXR occupancy sensor <sup>4</sup>         |
| ZSPRG  | For 15/16" T-grid only                                    |
| WGZ24  | 24" wireguard, white                                      |
| WGZ48  | 48" wireguard, white <sup>7</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 3 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 4.
- Must specify voltage. 120, 208, 240 or 277V.
- Cordsets exit back of fixture unless OUTEND option is specified.
- Order 2 for tandem double length fixtures (TZL1N).

# ZL1N 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                         |
|                  |                       |                 | 80 CRI  | 90 CRI      | 80 CRI  | 90 CRI      | 80 CRI  | 90 CRI      | 80 CRI  | 90 CRI      |                |   |
| Lensed           | 1500LM                | 24              | 1738  | 1417        | 1777  | 1467        | 1804  | 1494        | 1871  | 1528        | 15             | 1-lamp 17W T8                                   |
|                  | 2500LM                | 24              | 2265  | 1846        | 2315  | 1911        | 2351  | 1947        | 2438  | 1991        | 19             | 1-lamp 17W T8                                   |
|                  | 3500LM                | 24              | 3586  | 2924        | 3666  | 3026        | 3723  | 3084        | 3860  | 3152        | 31             | 1-lamp 32W T8, 1-lamp 54W T5H0, 50W HID         |
|                  | 3000LM                | 46 or 48        | 3172  | 2586        | 3243  | 2677        | 3293  | 2728        | 3415  | 2788        | 25             | 1-lamp 32W T8, 1-lamp 54W T5H0, 50W HID         |
|                  | 5000LM                | 46 or 48        | 4417  | 3601        | 4515  | 3727        | 4585  | 3798        | 4754  | 3882        | 34             | 2-lamp 32W T8, 1-lamp 54W T5H0, 70W HID         |
|                  | <b>7000LM</b>         | <b>46 or 48</b> | <b>6535</b>   | <b>5328</b> | <b>6681</b>   | <b>5515</b> | <b>6785</b>   | <b>5619</b> | <b>7035</b>   | <b>5744</b> | <b>52</b>      | <b>3-lamp 32W T8, 2-lamp 54W T5H0, 100W HID</b> |
|                  | 6000LM                | 92 or 96        | 6708  | 5537        | 6812  | 5642        | 7063  | 5767        | 8687  | 7082        | 48             | 3-lamp 32W T8, 2-lamp 54W T5H0, 100W HID        |
|                  | 10000LM               | 92 or 96        | 8881  | 7331        | 9019  | 7470        | 9351  | 7636        | 12457   | 10156       | 68             | 4-lamp 32W T8, 2-lamp 54W T5H0, 100W HID        |
|                  | 14000LM               | 92 or 96        | 12735   | 10513       | 12933   | 10711       | 12860   | 10651       | 13333   | 10888       | 104            | 4-lamp 32W T8, 3-lamp 54W T5H0, 150W HID        |
| Unlensed         | 1500LM                | 24              | 1881  | 1534        | 1923  | 1588        | 1953  | 1618        | 2025  | 1654        | 15             | 1-lamp 17W T8                                   |
|                  | 2500LM                | 24              | 2452  | 1999        | 2506  | 2069        | 2545  | 2108        | 2639  | 2155        | 19             | 1-lamp 17W T8                                   |
|                  | 3500LM                | 24              | 3882  | 3165        | 3969  | 3276        | 4031  | 3338        | 4179  | 3412        | 31             | 1-lamp 32W T8, 1-lamp 54W T5H0, 50W HID         |
|                  | 3000LM                | 46 or 48        | 3434  | 2800        | 3511  | 2898        | 3565  | 2953        | 3697  | 3019        | 25             | 1-lamp 32W T8, 1-lamp 54W T5H0, 50W HID         |
|                  | 5000LM                | 46 or 48        | 4781  | 3898        | 4888  | 4035        | 4964  | 4111        | 5147  | 4203        | 34             | 2-lamp 32W T8, 1-lamp 54W T5H0, 70W HID         |
|                  | 7000LM                | 46 or 48        | 7075  | 5768        | 7233  | 5971        | 7345  | 6083        | 7616  | 6219        | 52             | 3-lamp 32W T8, 2-lamp 54W T5H0, 100W HID        |
|                  | 6000LM                | 92 or 96        | 7261  | 5995        | 7374  | 6108        | 7646  | 6243        | 9404  | 7667        | 48             | 3-lamp 32W T8, 2-lamp 54W T5H0, 100W HID        |
|                  | 10000LM               | 92 or 96        | 9614  | 7937        | 9764  | 8087        | 10123   | 8266        | 13485   | 10994       | 68             | 4-lamp 32W T8, 2-lamp 54W T5H0, 100W HID        |
|                  | 14000LM               | 92 or 96        | 13786   | 11381       | 14001   | 11596       | 14000   | 11596       | 14516   | 11854       | 104            | 4-lamp 32W T8, 3-lamp 54W T5H0, 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.             | 408                 | 46" X 51" X 32 11/16"                     |
| L46               | 11 lbs.            | 176                 | 46" X 51" X 32 1/16"                      |
| <b>L48</b>        | <b>12 lbs.</b>     | <b>176</b>          | <b>46" X 51" X 31 3/8"</b>                |
| L92               | 22 lbs.            | 176                 | 46" X 98 1/2" X 31 1/16"                  |
| L96               | 24 lbs.            | 176                 | 46" X 98 1/2" X 31 1/16"                  |

