



## FAQs: Z Series LED Striplights

### What does the 'N' stand for in the ZL Series LED product family?

The 'N' in ZL1N and ZL2N denotes the new style fixture, which includes electrical, mechanical and optical improvements over the old style ZL1 and ZL2 products. Specifically, the new style luminaires run more efficiently. Popular configurations provide 115+ lumens per watt.

### What is the status of the old-style product?

The original ZL1 and ZL2 products have been discontinued and are currently being replaced by the ZL1N and ZL2N fixtures. As technology advances we will continually upgrade our products to ensure better performance and reliability.

### Which models come with a lens?

Unlike the legacy product, both the new ZL1N and the ZL2N fixtures come standard with a diffuse lens. The ZL1N lens allows the individual LEDs to be seen somewhat while the ZL2N lens all but eliminates pixelation. The ZL1N fixture may also be ordered without a lens which is a direct cross to the old-style ZL1 product.

### Can the lens on a ZL1N be removed?

The lens on the ZL1N fixture can be removed without compromising the UL or CSA status. If you choose to make this field modification, ensure that the electronics are not tampered with or subjected to abrasion that will void your factory warranty.

### Can the lens from the ZL1N fixture be installed on an existing ZL1 in the field?

The ZL1N lens cannot be installed in the field on any strip product, old or new. It is unique to the ZL1N fixture and can only be factory installed.

### Which models are available with emergency back-up?

The ZL2N has the option of adding emergency back-up. The ZL1N model does not have that option because the emergency unit does

not fit in the narrow ZL1N channel. If using the ZL1N striplight in a space that does not have an on-site generator, you must specify a central AC power system. We recommend the EAC ISSM 125 (or 375) 120/277 SM.

### What should I know about the new models, technically?

The new light engine is completely different. The driver is tuned to the LED boards to create multiple lumen packages and maximize efficiency.

### Are there any changes to the size and shape of the luminaires?

No, the new ZL1N is the same size as the old ZL1. It is 2-1/2" wide and is offered in 2', 4' and 8' lengths. The new ZL2N is the same size as the old ZL2. It is 3-3/8" wide and is available in 2' and 4' lengths.

### Can I mix old style and new-style products in the same space?

If an exact match is desired, consult page 2 of the spec sheet for information regarding old-style vs. new-style lumens per foot. For additional questions, please contact technical support.

### Can I mount any of the new products in a continuous row?

The 4' and 8' models may be mounted in a continuous row.

### What standard features are built into the driver?

0-10V dimming down to 10% is standard in both the ZL1N and ZL2N striplights.

### Can I field install controls if I did not have them factory installed?

Yes, the LXSR sensor is easily mounted to the end of the luminaires and can control multiple fixtures.

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### What is the ambient temperature range and listing?

CSA Certified to U.S. and Canadian safety standards for dry and damp locations between -4°F (-20°C) and 86°F (30°C)

### What lumen packages are available and what is the power consumption for each?

Two new lumen packages per color temperature are now available so crossing to comparable fluorescent product is more accurate and flexible. See tables below for detailed information.

### What is the expected service life?

For the ZL1N fixture, LM-80 predicts an L70 of >100,000 hours and L85 of 65,000 hours for the LEDs. For the ZL2N product, LM-80 predicts an L70 of >100,000 hours and L85 of 44,000 hours.

### What are the warranty terms?

There is a 5-year limited warranty. Full warranty terms are located at [www.acuitybrands.com/customerresources/terms\\_and\\_conditions.aspx](http://www.acuitybrands.com/customerresources/terms_and_conditions.aspx).

ZL1N								
Nominal Lumen Package	Length (inches)	Delivered Lumens 3000K CCT @ 77°F (25°C) Ambient Temperature	Delivered Lumens 3500K CCT @ 77°F (25°C) Ambient Temperature	Delivered Lumens 4000K CCT @ 77°F (25°C) Ambient Temperature	Delivered Lumens 5000K CCT @ 77°F (25°C) Ambient Temperature	Wattage @ 120V/277V	Comparable Light Source	
Lensed	3000	24	2805	2921	3177	3400	34W/32W	1-lamp 32W T8, 1-lamp 54W T5HO, 50W HID
	3000	48	2532	2636	2834	3068	32W/31W	1-lamp 32W T8, 1-lamp 54W T5HO, 50W HID
	5000	48	3923	4085	4391	4754	42W/41W	2-lamp 32W T8, 1-lamp 54W T5HO, 70W HID
	7000	48	5914	6158	6619	7231	72W/70W	3-lamp 32W T8, 2-lamp 54W T5HO, 100W HID
	6000	96	5064	5273	5668	6136	64W/62W	3-lamp 32W T8, 2-lamp 54W T5HO, 100W HID
	10,000	96	7846	8170	8782	9508	84W/82W	4-lamp 32W T8, 2-lamp 54W T5HO, 100W HID
	14,000	96	11828	12316	13239	14462	144W/140W	4-lamp 32W T8, 3-lamp 54W T5HO, 150W HID
Unlensed	3000	24	3165	3295	3582	3835	34W/32W	1-lamp 32W T8, 1-lamp 54W T5HO, 50W HID
	3000	48	2865	2983	3207	3472	32W/31W	1-lamp 32W T8, 1-lamp 54W T5HO, 50W HID
	5000	48	4439	4622	4968	5379	42W/41W	2-lamp 32W T8, 1-lamp 54W T5HO, 70W HID
	7000	48	6737	7015	7541	8164	72W/70W	3-lamp 32W T8, 2-lamp 54W T5HO, 100W HID
	6000	96	5730	5966	6413	6944	64W/62W	3-lamp 32W T8, 2-lamp 54W T5HO, 100W HID
	10,000	96	8878	9244	9937	10759	84W/82W	4-lamp 32W T8, 2-lamp 54W T5HO, 100W HID
	14,000	96	13474	14031	15082	16329	144W/140W	4-lamp 32W T8, 3-lamp 54W T5HO, 150W HID

ZL2N								
Nominal Lumen Package	Length (inches)	Delivered Lumens 3000K CCT @ 77°F (25°C) Ambient Temperature	Delivered Lumens 3500K CCT @ 77°F (25°C) Ambient Temperature	Delivered Lumens 4000K CCT @ 77°F (25°C) Ambient Temperature	Delivered Lumens 5000K CCT @ 77°F (25°C) Ambient Temperature	Wattage @ 120V/277V	Comparable Light Source	
2000	24	2009	2092	2249	2457	34W/32W	1-lamp 32W T8, 1-lamp 54W T5HO, 50W HID	
2000	48	1830	1905	2048	2237	32W/31W	1-lamp 32W T8, 1-lamp 54W T5HO, 50W HID	
3000	48	2835	2952	3173	3467	42W/41W	2-lamp 32W T8, 1-lamp 54W T5HO, 70W HID	
5000	48	4274	4450	4784	5226	72W/70W	2-lamp 32W T8, 1-lamp 54W T5HO, 70W HID	

