

## Applications:

ZLight ECO2S white LED modules are designed for channel letters and sign cabinets with a 3 to 10 inch can depth. With revolutionary high power LEDs, you can achieve tremendously money-saving advantages over traditional neon and fluorescent tubes. The optimum lens covering LEDs create an impressively even light coverage of the letter and sign face.

## Features

### LEDs:

- Super Bright LEDs
- L70 Rating 50,000 hours

### Power Input:

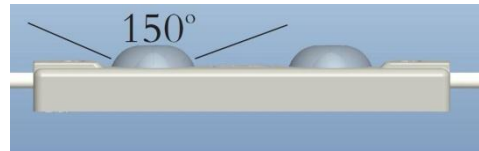
- Input Voltage: 12 VDC

### Optical Structure:

- Designed for Maximum Brightness Output

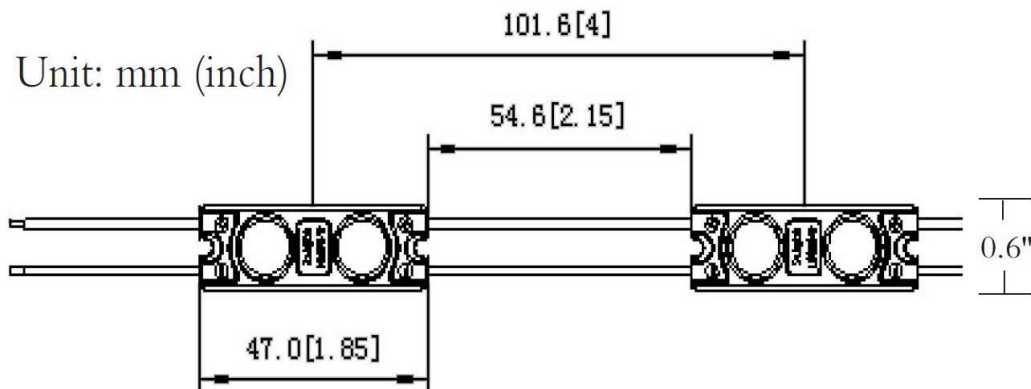
### System:

- 3 modules per foot
- 100 modules per bag, 10 bags per carton
- Peel-N-Stick and mechanical fastening
- Water-proof, IP 66
- UL and cUL Recognized/SAM Listed
- Warranty: 5 Years

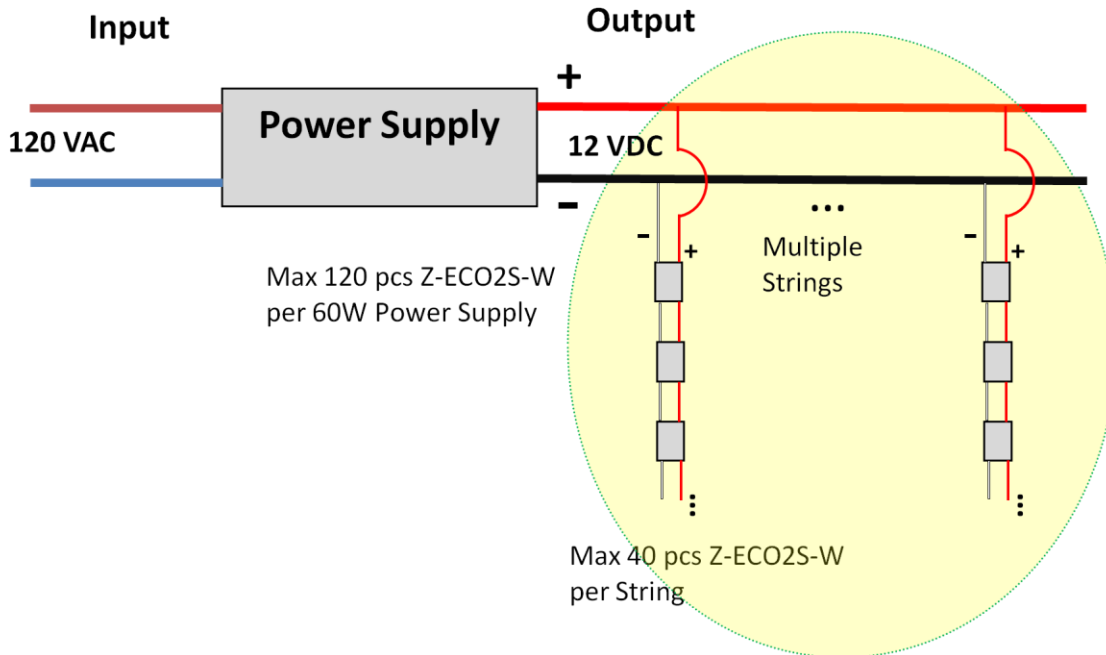


## Detail Specifications

Model	Voltage (VDC)	Power (W)	Number of LEDs	Module / FT	Color	Brightness		View Angle
						lm/module	lm/ft	
Z-ECO2S-W	12	0.5	2	3	White (6700K)	44	130	150
Z-ECO2S-R	12	0.5	2	3	Red (625 nm)	12	36	150
Z-ECO2S-B	12	0.5	2	3	Blue (470 nm)	12	36	150
Z-ECO2S-O	12	0.5	2	3	Orange (610 nm)	22	66	150
Z-ECO2S-Y	12	0.5	2	3	Yellow (590 nm)	14	42	150
Z-ECO2-G	12	0.5	2	3	Green (528 nm)	12	36	150



## Installation Guide



## Layout LED Modules

- Clean all debris from the inside of cabinets and channel letters.
- Measure and cut LED modules to the appropriate length for each cabinet or letter.
- Remove tape backing and stick LED modules into place. Continue until you have reached the end of the strip.
- Use tools or silicone to secure at least every fifth LED module within the channel letter.
- Drill a 1/4-inch hole near the LED strip and grommet the hole for supply wire access.
- Clean all debris from the inside of cabinets and channel letter.

## Electrical Connections

- Connect LED modules using in-line (IDC) connectors or twist-on wire connectors.
- Cap all exposed wires with appropriate wire connectors or equivalent.
- Run a wire from a UL approved 12VDC Power Supply to each channel letter and connect to the first LED module on the string.
- Connect the red stripe wire (+) of the LED modules to the positive (+) of the power supply. Connect the black wire (-) of the LED modules to the negative (-) of the power supply.

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