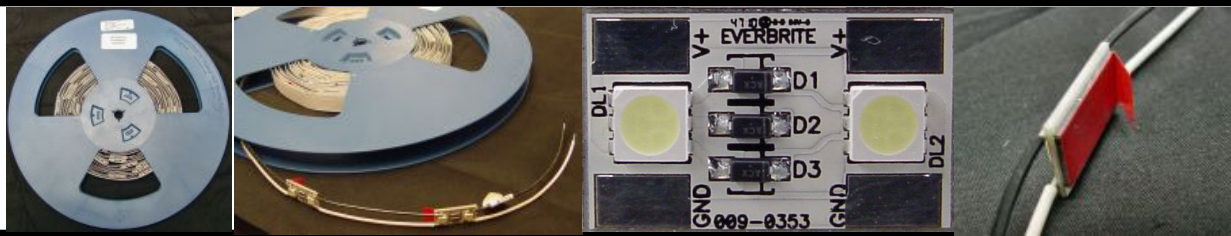


LED SIGN ILLUMINATION SYSTEM



PRODUCT DESCRIPTION

LED Rope



Everbrite has an extensive and well tested line of existing illumination engines and control electronics for channel letters. These energy efficient products develop a bright and uniform illumination with industry standard lifetimes. The Everbrite Class 2 LED illumination and display products are registered with UL and listed in the Sign Accessory Manual (SAM). Our file number is E325903.

PRODUCT FEATURES

BENEFITS

Energy Effective

Simple, flexible, constant current regulated strings allow placement in small and tight font letters. Power level, and brightness is scaled to smaller signs for energy effectiveness.

Low Maintenance

No need to change out fluorescent bulbs. Our LED products are designed for outdoor environments.

Bright and Uniform

Side-mounting the LED strips give small, shallow depth, or tight font letters dynamic visibility

Back-mounting the LED strips allow for larger area uniform light fill-in.

Industry Standard Lifetime

Green, Blue — 40,000 hours

Estimated Life to 70% Light Output

Red, Amber, White — 50,000 hours

Warranty

Limited Three Year — LED system only; Power Supplies carry the manufacturer's own warranty



Everbrite

® Discover the brilliance.™

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LED SIGN ILLUMINATION SYSTEM (con't)

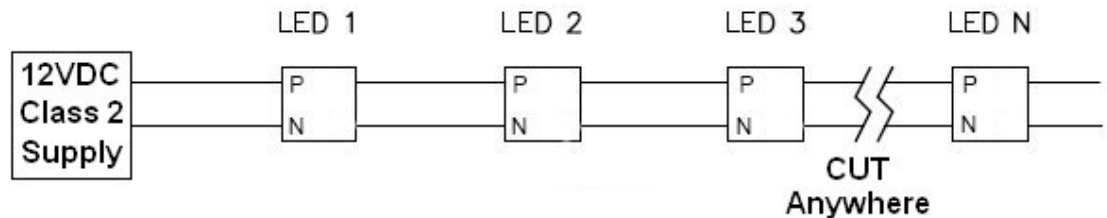
SPECIFICATIONS

PARAMETER	VALUE
Voltage (bulk power supply)	8-15 VDC regulated UL Class II
LED string Current	All Colors = 180mA/ft (60mA/board)
LED Brightness / foot (typ.) 2 LED / board, 3 board / foot	Red/Amber/Green = 40 lm/ft ± 20% White = 95 lm/ft ± 20% Blue = 21 lm/ft ± 20%
Ambient Operation	-40°C to +55° C
LED Emitter	Rugged LED on 1x.6" FR4 circuit board
UL File / SAM Reference	E325903



APPLICATIONS

This **LED Rope** illumination system is intended for use in small or tight font channel letters. The brightness is scaled for small to medium letters so a uniform illumination can be achieved without hot spots. Small letters and letters with tight fonts present a design issue because the light must be positioned exactly where needed. Normally the individual circuit boards are placed low on the sidewall for good light bounce but with 120° viewing angle LEDs, back mounting can "fill in" areas. The physical construction of this illumination system provides for freeform placement. The 1x.6" circuit boards are interconnected on 4" centers with flexible wire. The peel and stick VHB tape backing is rated for excellent adhesion to plastics and power coat painted metal. When wiring up the LED Rope of circuit boards, the chain may be cut and/or spliced between any boards. Multiple chains can be spliced together with wire nuts for indoor applications or gel filled splices for outdoor applications. The individual LEDs and circuit boards are conformably coated against moisture.



COLOR	PART #
Red	710-0402
Blue	710-0403
White	710-0404
Green	710-0405
Amber	710-0406

Standard reel length is 30 feet. Other lengths available on special order. Other colors and softer shades of white available on special order.



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