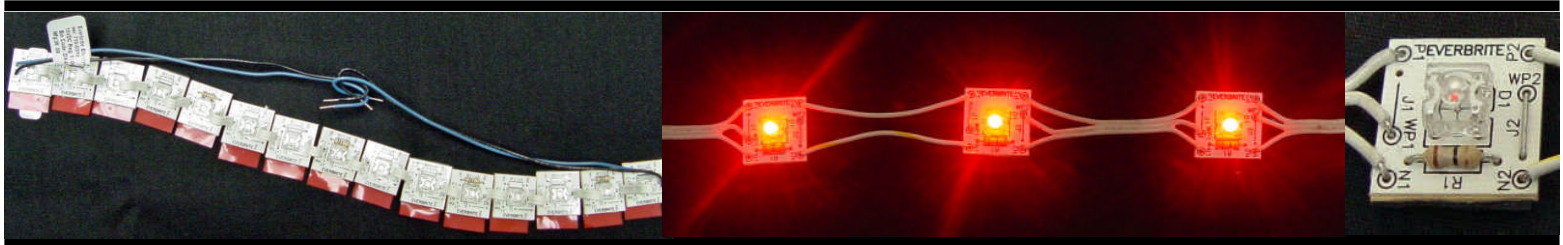


LED SIGN ILLUMINATION SYSTEM



PRODUCT DESCRIPTION LumiFlex II



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, resistor-limited 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-mounted LED strips give small or tight font letters dynamic visibility

Back-mounted LED strips are available 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)	15 VDC regulated UL Class II
LED string Current	Red & Amber = 139mA (15 LED) White, Green & Blue = 120mA (15 LED)
LED Brightness/string (typ.) Lumens/watt (lm/W)	Red & Amber = 73.5 lm — 35 lm/W White & Green = 69 lm — 38 lm/W Blue = 27 lm — 15 lm/W
Ambient Operation	-40°C to +55° C
LED Emitter	Rugged LED on ¾" FR4 circuit board
UL File / SAM Reference	E325903

APPLICATIONS

This **LumiFlex II** illumination system is intended for use in small or tight font channel letters. The brightness is scaled to smaller 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 side-wall for good light bounce, but a special order version is also available for back mounting in "fill in" areas. The physical construction of this illumination system provides for freeform placement. The ¾" circuit boards are interconnected by 2½" of 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 LumiFlex II chain of circuit boards, the chain may be cut and/or spliced every five LEDs for Red & Amber, and every three LEDs for White & Green & Blue. 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 NUMBER
Red	710-0315
Blue	710-0316
White	710-0317
Green	710-0318
Amber	710-0358



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