

System 100 LED Sign Lighting



**Bright, energy efficient LEDs.
Ideal for signs 4-6" deep.**



- The sign industry's most energy efficient LED system
- Constant current output from the Venbrite Driver eliminates need for heat generating, energy consuming components found in all competitors' LED modules
- Power supplies can be remote mounted up to 175 feet from signs using standard #18 AWG wire
- Series wired for ultimate energy efficiency and consistent illumination, regardless of distance from the driver.
- Superior performance reduces string footage and power supply counts
- Brighter than 30mA mercury argon
- Evenly illuminates up to an 8" wide stroke, reducing module counts and system cost
- Safe, low current design with built in GFI, open circuit, short circuit, overload and polarity protection
- Highly efficient and conservatively driven LED chips run cooler for extended useful life and maximum reliability
- UL Classified for Neon to LED Retrofits using existing GTO and conduit, saving 40% over competitive conversion systems

Venbrite LED String Specifications

Venbrite LED Module	VL-W100b	VL-R100	VL-A100
LED Color	6500K White	Red	Amber
String Efficacy	126 lm/W	56 lm/W	71 lm/W
System Efficacy	112 lm/W	50 lm/W	63 lm/W
LED Module Current	120 mA-dc	120 mA-dc	120 mA-dc
Watts per Module	0.40 W	0.25 W	0.25 W
System Watts per Module	0.44 W	0.28 W	0.28 W
Lumens per Foot	98 lm/ft	28 lm/ft	35 lm/ft
Maximum Loading per Driver	120 mods(60ft)	150 mods (75ft)	120 mods (60ft)
Minimum Modules per Driver	1 LED Module (all colors)		
Allowable Mod to Mod Pitch	Min = 2" / Max = 6"		
Module Size (L x W x H)	1.25" x 1" x 0.20"		1.25" x 1.35" x 0.20"
Venbrite Accessories			
Low Voltage LED Wire	VA-W09/100 VA-W09/500		
Standard Wire Nut	VA-WN01		
GTO Retrofit Wire Nut	VA-WN02		

Venbrite LED Driver Specifications

Venbrite LED Driver Model	VLP100-120	VLP100-277
Input Voltage (50/60Hz)	120 VAC (+/-10%)	277 VAC (+/-10%)
Input Current at Max Load	0.5 A rms	0.25 A rms
Power Factor	0.95 min	0.92 min
Output Voltage	120mA (Factory Set / Line-Load Regulated)	
Driver Size LxWxH (cm)	4.85" x 2.0" 1.45" (12.4 x 5.0 x 3.7)	
LED Driver Weight	12.5 oz (350g)	
Operating Temperature	-30°F to 122°F (-34°C to 50°C)	
Input Surge Protection	Varistor Type	
Built-In Protection	GFI, Open/Short Circuit, Overload, Reverse Polarity	

Agency Approvals & Compliance



Email, call or log on today to learn more about the technologically advanced illumination options from Ventex Technology.

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