

Product name	Classic ¹
Product code	CL-002-STR12
	CL-002-STR16

Introduction

The ShowLED Classic is a truly dynamic star backdrop.

It will certainly surprise you and your audience because an artificial starry sky never looked so realistic before. The LEDs are randomly placed in a black Molton PES fabric forming constellations and the star fields.

Classic components can also be integrated into many other fabrics or surfaces. With 8 output channels, the dedicated controller is DMX compatible and offers two DMX modes; control of preset chases including minimum and maximum intensity, chase speed, and pattern behavior; or full dimmer control of each individual output channel.

ShowLED Classic has stand-alone features and is truly plug and play. The controller can be programmed manually with the option of saving the settings directly to the controller. When linked together several connected drapes can be controlled simultaneously and if required fully synchronised.



Product specific properties

Type	Classic - 12/16 pixels - 1250mm pitch
LED	1 T-1 3/4 (5mm) white/single colour per pixel
Colour range	n/a ²
Viewing angle	115° FWHM ³
Luminous Flux	1.75 lm / pixel ⁴
Efficacy	n/a
Cover lens	n/a
Housing	ABS housing
Surfaces	Fabrics – Hook and loop fasteners Walls and panels – n/a Netting – n/a
Size	∅ 10.0mm x 10.5mm LED + collar ∅ 30.0mm x 5mm (+2mm) housing
Weight	200g per string – 12 250g per string – 16
Pitch	1250mm – standard 160mm – minimum (any pitch on request)
Operating temp.	-20°C to 50°C
Storage temp.	-20°C to 70°C
Environment	IP40 version

Electrical properties

String supply	5 volt
Power per pixel	0.1 watt
Power per string	1.2 watt – 12 1.6 watt – 16

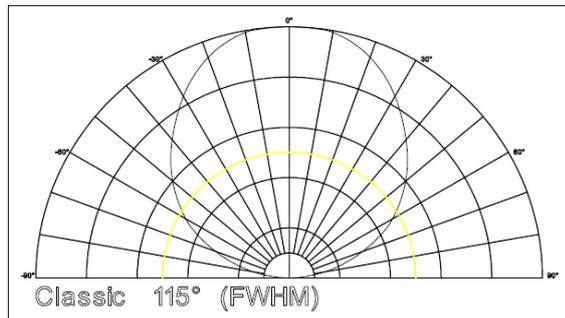
Control requirements

Control	ShowLED Conbox 90 – 250 VAC / 60Watt input 0.508 Kg
Source	Conbox settings or lighting desk (DMX)



Photometrical properties

LED	1 T-1 ¾ (5mm) white/single colour per pixel
Colour range	n/a ²
Viewing angle	115° FWHM ³ – white
	n/a – red
	n/a – green
	n/a – blue
Luminous Flux	1.75 lm / pixel ⁴ – white
	n/a – red
	n/a – green
	n/a – blue
Efficacy	n/a
Ambient temp.	20° C ⁵
Colour temp.	n/a
Cover lens	n/a



- 1 – version: 2002 rev 2.2
- 2 – not applicable
- 3 – full width at half maximum
- 4 – when operating on full white
- 5 – operating temperature during test reading

LED CHARACTERISTICS: As LEDs are semiconductor devices, their performances are subject to inherent variability commonly found in semiconductor industry. To improve consistency in performance across the same product, LED manufacturers “sort” LEDs into bins according to different present parameters, such as forward driving voltage, illumination, etc. Whereas binning is a sorting function, it is not a correction process. Inherent variability in the manufacturing process results always in different binning distributions according to different production lots. ShowLED uses automatically binned LEDs on its products, thereby minimizing output variations within the model range.

As with all electronic devices, LED output degrades over time – a term called depreciation. This also explains why it is nearly impossible to expect photometric performances of two LED products with different service life spans to be the same. The rate of LED degrade is a complicate function of many factors such as operating efficiency, duration of continuous operation, and more significantly, environmental conditions (ambient temperature for example). If allowed working under optimal operating temperature range and with good ventilation, LED devices enjoy long service lives over conventional light sources. When using/installing LED devices, care should be taken to ensure that the devices will operate within the operating conditions specified in respective product literature.

