

ECO Spot™ LED10

ES-LED10

Compact Gobo Projector, perfect for Bar, Restaurant, Promotion.

The ECO Spot LED10 Gobo Projector features a 10W, US made high end LED plus quality optics in a compact package. Interchangeable projection lenses make it easily adaptable to a wide range of applications, such as Clubs, Bars, Restaurants, Showrooms, Promotion, and many other environments with low to medium ambient brightness and need for long duty cycles.



Typical Projection Range *(with narrow lens, see Photometrics for details)*

if lighting is... Bright	if lighting is... Dim	if lighting is... Dark
up to 20ft	up to 40ft	up to 100ft

Features

- Excellent optics with interchangeable projection lenses.
- Ultra quiet Operation
- Integrated switchable Gobo Rotator
- LED technology
- No more light bulb changes.
- For any gobo type, metal, glass, or film.
- Unique yoke/stand combination for free-standing or truss mounting.
- 100% duty cycle
- Full aluminum housing, stays cool.

Specifications

Order Code	ES-LED10
Power	90-240V, 50-60Hz, 14W
Lamp	LED, 10W, 50,000h, 6500k
Brightness	850lm rated, 180 - 526lm effective <i>see Photometrics for details</i>
Gobo Dimensions	Outer diameter: 37.5mm Image diameter: 25mm Max. thickness: 4mm
Lens Options	10°, 15°, 20°, 25° lenses available
Gobo Rotator	yes, integrated, switchable
Fixture Dimensions	Body: 10 x 4,3 x 3.5in (254 x 110 x 90mm) Height: 5.7in (145mm) incl. yoke
Weight	4.7 lbs (2.1kg)

ECO Spot™ Photometrics						ECO Spot is a Trademark of Globus New Media LLC dba GoboSource																								
Model Gobo Size	Color Temp.	Lens	Beam Mult.	Effective lm	CD	Value	PROJECTION DISTANCE IN FEET (ft)																							
							3	6	9	12	15	20	24	30	36	42	64	88	112	136	200	300								
ES-LED10 E-Size ID=25mm	5000k +/- 500k	140mm (10°)	0.18	194	7,632	Size (ft)			1.6	2.2	2.7	3.6	4.3	5.4	6.5	7.6														
						Brightn. (fc)			94	53	34	19	13	8	6	4	3													
		100mm (15°)	0.26	191	3,600	Size (ft)		1.6	2.3	3.1	3.9	5.2	6.2	7.8	9.4															
						Brightn. (fc)		100	44	25	16	9	6	4	3															
		70mm (20°)	0.35	263	2,736	Size (ft)	1.1	2.1	3.2	4.2	5.3	7.0	8.4	10.5																
						Brightn. (fc)	304	76	34	19	12	7	5	3																
		50mm (25°)	0.45	252	1,584	Size (ft)	1.4	2.7	4.1	5.4	6.8	9.0	11																	
						Brightn. (fc)	176	44	20	11	7	4	3																	
		28mm (45°)	0.80	145	288	Size (ft)	2.4	4.8	7.2	9.6	*Max. Gobo Image Size for this lens = 23mm																			
						Brightn. (fc)	32	8	4	2																				
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How to Read the Illumination Values																														
Foot Candles (ft)							For a quick overview, the illumination values in the tables are color coded. There are many factors that determine the visibility of a projection, such as ambient light, color and reflectiveness of the projection surface, competing light, gobo colors, projector color temperature, and other factors. Therefore our recommendations should only be used as guidelines and we cannot guarantee a successful application. If you are unsure, please call us to discuss.																							
Projection Size Calculation							For the resulting Projection Size at any given Distance, Multiply the number in the "Beam Mult." column with your Projection Distance. Projection Size = Distance x Beam Mult. For the Distance needed to achieve a desired Projection Size, Divide the Projection size by the Beam Multiplier. Distance = Projection Size / Beam Mult.																							
300+							Extreme brightness for extremely bright environments, i.e. bright areas, additionally flooded with daylight, such as Lobby-, Retail-, Trade Show-, Environment. Outdoors (shady, no direct sunlight).																							
150-300							Very high brightness for very bright environments, such as light flooded Office-, Lobby-, Retail-, Trade Show-, Environment. Color gobos project in vibrant colors. Outdoors well visible at night with vibrant colors.																							
45-150							The most common brightness bracket for bright environments, such as Office, Lobby, Retail, Tradeshow. Outdoors extremely bright at night. Color gobos project well.																							
15-45							Sufficient brightness for environments, such as Bars, Clubs, and intimate Restaurants, Theaters, and dimmed Conference rooms. Outdoors well visible at night. Color gobos should preferably be used with lighter colors and the projection surface should be light and somewhat reflective.																							
15-2							Only advisable for dark environments and subtle projection of light colored artwork, preferably on light, reflective projection surface. If all conditions are met, the max. listed image distance/size can be doubled in most cases.																							
Metric Conversions: For Meters multiply feet by .3048. For Lux multiply footcandles by 10.76																														