

# ECO Spot ESA10 LED Gobo Projector

The ESA10 is an elegant, fan-less fixture that utilizes a highly efficient 10W LED.

- Excellent Optics.
- No cooling fan, absolutely quiet.
- Extremely Compact and light weight.
- Multi Voltage 90-240V 50/60Hz.
- Takes D-Size and E-Size metal and glass Gobos up to Full Color.
- Never exchange a bulb over the life of the projector.
- Accepts film material for short term projection applications.
- Full aluminum housing.



## SPECIFICATIONS:

### PROJECTOR

<b>Order Code:</b>	ESA10
<b>Power Supply:</b>	90 - 240V, 50 - 60Hz, 14W
<b>Other Build Options:</b>	No - Limited 1st Production Run

### LAMP DETAIL

<b>Type:</b>	10W LED
<b>Rated Life:</b>	50,000 Hours
<b>Color Temperature (Kelvin):</b>	6,000k +/-500k
<b>Effective Luminous Flux:</b>	580lm

### OPTICAL

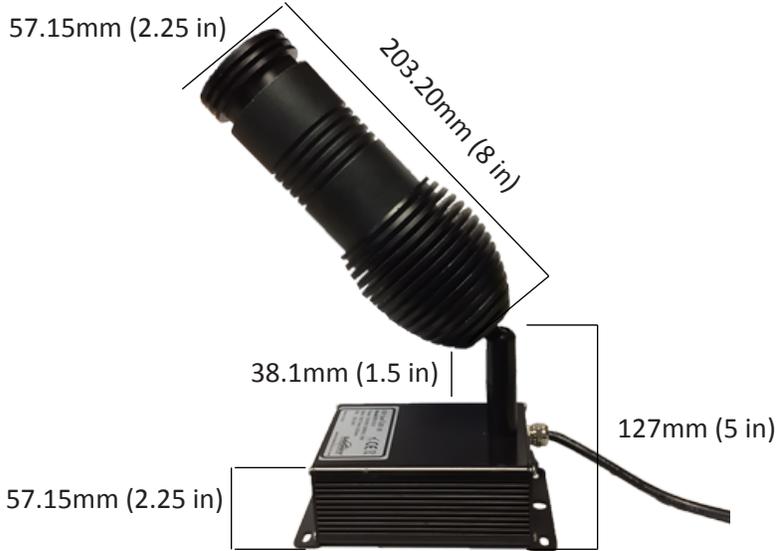
<b>Available Projection Lenses:</b>	Medium:	f=70mm/28° (max. Gobo ID: 25mm)
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<b>Gobo Dimensions:</b>	D-Size (OD52.8mm, ID25mm),
Recommended max. ID:	E-Size (OD37.5mm, ID25mm),
(ID=Gobo Image Diameter)	max. thickness: 4mm

### PROJECTION RANGE (typical range with Narrow lens)

<b>Bright environment:</b>	- up to 10 ft
<b>Dim environment:</b>	- up to 20 ft
<b>Dark environment:</b>	- up to 40 ft

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Typ. total length including the projection lens:

- Medium: f=70mm/20°: 228.60mm (9 in)

Projector Weight: 3.5 lbs

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)																
ES-A10 D-Size	5000k	70mm	0.46	574	3,456		3	6	9	12	15	18	24	30	36	42	64	88	112	136	200	250	
	+/- 500k	(28°)				Size (ft)	1.4	2.8	4.1	5.5	6.9	8.3	11	14	17								
						Brightness (fc)	384	96	43	24	15	11	6	4	3								

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## How to Read the Illumination Values

<b>Foot Candles (ft)</b>	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.
<b>Projection Size Calculation</b>	For the resulting Projection Size at any given Distance, Multiply the number in the "Beam Mult." column with your Projection Distance. <b>Projection Size = Distance x Beam Mult.</b> For the Distance needed to achieve a desired Projection Size, Divide the Projection size by the Beam Multiplier. <b>Distance = Projection Size / Beam Mult.</b>
<b>300+</b>	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). Color gobos project in vibrant colors.
<b>45-300</b>	Very high brightness for very bright environments, such as Office-, Lobby-, Retail-, Trade Show-, Environment. Color gobos project in vibrant colors. Outdoors well visible at night with vibrant colors.
<b>15-45</b>	Sufficient brightness for regular 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.
<b>15-3</b>	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

## PACKAGE CONTENTS

Power Cord • Test Gobo • Spare Gobo Retaining Ring • Integrated Gobo Mounts • User Manual

Questions? Call us!

1-831-431-8800

[www.gobosource.com](http://www.gobosource.com)