

ECO Spot™ LED 10 Gobo Projector - Spec Sheet

Compact Gobo Projector, perfect for bar, restaurants, and promotional events.

- Active cooling** - Quiet Operation, active cooling fans
- Applications** - Bars, Restaurants, Promo Events, Weddings, ETC.
- Rotator** - Integrated switichable gobo rotator
- Excellent Optics** - Interchangeable lenses for a wide range of projection distances and sizes
- Any Gobo Type** - Takes Glass, Metal or Film Gobos
- Full Aluminum Housing** - Stays Cool, Easy to Clean, Easy to remove for cleaning
- Unique Yoke** - Yoke/Stand Combo - Truss Mounting or Free Standing



SPECIFICATIONS

- Order Code:** ES-LED10
- Power Suply:** 100-240/277V, 50/60Hz, 15W
- Temp Rating:** -22°F to 122°F (-30°C to 50°C)
- Environment:** Indoor, can be outside in enclosed housing with airflow.

- Lamp Type:** LED - 10 Watt
- Rated LED Lifespan:** 50,000 hours depending on power setting
- LED Color Temp:** 6,500k +/- 500k
- Luminous Flux:** 850lm (effective flux 400lm)

- Projection Lenses:**
 - Narrow: f=140mm/10°
 - Semi-Narrow: f=100mm/15°
 - Medium: f=70mm/20°
 - Wide: f=56mm/25°
 - Ultra-Wide: f=28mm/45°- please note, lens has max Gobo ID of 23mm
- Gobo Size:** E-Size Only - Outside Diameter: 37.5mm, Image Diameter: 25mm
- Gobo Types:** Glass or Metal Gobos , Film Gobos with limited run time

- Projection Range**
- Bright Environment:** - Up to 20 feet
- Dim Environment:** - Up to 40 feet
- Dark Environment:** - Up to 100 feet



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Dimensions

Projector Length: 10"
 Projector Width: 4 1/4"
 Projector Height: 4 1/2" (mounted on yoke)
 Projector Weight: 4.7lbs

Shipping Dimensions

Box Size: 14" x 8" x 6"
 Box Weight: 7lbs

Total Length Including Projection Lens:

Narrow Lens - 12 1/4"
 Semi-narrow Lens: - 11 1/4"
 Medium and Wide Lens: - 10 1/4"
 Ultra Wide Lens: - 10"

Product Warranty

One year repair/replacement warranty for ECO Spot Models
 For warranty details please visit:
https://www.gobosource.com/gos/pdf/Warranty_Gobosource.pdf

ECO Spot™ Photometrics																									
Model Gobo Size	Gobo max ID	Lens	Beam Mult.	Effective lm	Efficiency lm/W	D=? 22	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 OD=37.5mm ID=25mm	25mm	140mm (10")	0.18	194	19	4.0	Size (ft)					1.6	2.2	2.7	3.6	4.3	5.4	6.5	7.6						
							16	Brightn.(fc)					94	53	34	19	13	8	6	4					
		100mm (15")	0.26	191	19	5.7	Size (ft)			1.6	2.3	3.1	3.9	5.2	6.2	7.8	9.4								
							7	Brightn.(fc)			100	44	25	16	9	6	4	3							
	23mm	70mm (20")	0.35	263	26	7.7	Size (ft)	1.1	2.1	3.2	4.2	5.3	7.0	8.4	10.5										
						6	Brightn.(fc)	304	76	34	19	12	7	5	3										
		56mm (25")	0.45	252	25	9.9	Size (ft)	1.4	2.7	4.1	5.4	6.8	9.0	11											
						3	Brightn.(fc)	176	44	20	11	7	4	3											
	28mm (40")	0.85	163	16	18.7	Size (ft)	2.6	5.1	7.7	10.2	*For best focus/brightness, max. ID=23mm														
					1	Brightn.(fc)	32	8	4	2															
Model Gobo Size	Gobo ID	Lens	Beam Mult.	Effective lm	Efficiency lm/W	D=? 22	Value	PROJECTION DISTANCE IN FEET (ft)																	
								3	6	9	12	15	20	24	30	36	42	64	88	112	136	200	300		

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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 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).
 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.

150-300 The most common brightness bracket for bright environments, such as Office, Lobby, Retail, Tradeshow, Outdoors extremely bright at night. Color gobos project well.

45-150 Equivalent brightness for bright 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 light colors and the projection surface should be light.

15-45 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

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

Metric Conversions: For Meters multiply feet by .305. For Lux multiply footcandles by 10.76



Package Contents

Projector | Mounting Yokes | Projection Lens | Test Gobo | User Manual | Spec Sheet

Have Questions? Call Us!
1.800.213.1092
www.gobosource.com



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