ECO Spot LED B300E LED Gobo Projector

Weatherproof Projector for Exterior and Interior Applications

- For very bright environments, extra large projection sizes and distances.
- Takes std. **M-size gobos**, up to Full Color.
- Integrated **Gobo Rotator** with on/off switch, useful for exact image alignment.
- Interchangeable Projection Lenses.

SPECIFICATIONS:

Order Code:	**ES-B300E**
Power Supply:	95-265V, 50-60Hz, 220W
Other Build Options:	ES-B300PCE - Rugged Fanless and Weather Resistant
Lamp Type:	LED
Rated Life:	30,000 hours
Color Temperature:	8,000k +/-500k
Luminous Flux:	20,000lm (effective flux 11,500lm)
Projection Lenses:	Semi-Narrow: f=210mm/13° Medium: f=140mm/20° Semi-Wide: f=115mm/25° Wide: f=87mm/30°
Gobo Dimensions:	M-Size (OD66mm, ID48mm), max. thickness: 5mm
Gobo Types:	Glass and Metal, **NO** film material

PROJECTION RANGE

Bright environment:	- up to 90ft
Dim environment:	- up to 200ft
Dark environment:	- up to 400ft (or more in very dark conditions)

SAFETY STANDARDS

Projector:	IP62 (self rated), no certifications. The projector is not connected to line voltage, it receives low DC voltage through the driver.
External Driver:	IP65, UL8750(type"HL"), CSA C22.2 No. 250.0-08, ENEC, TUV EN61347-1, EN61347-2-13, J61347-1, J61347-2-13 approved; design refer to UL60950-1, TUV EN60950-1

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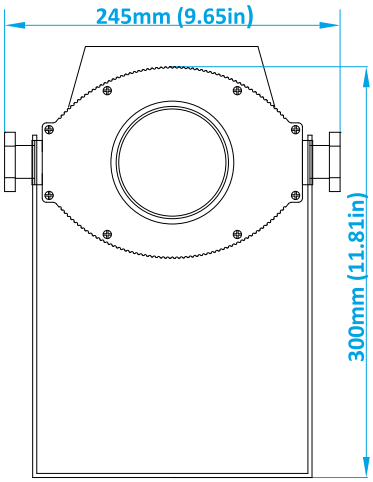
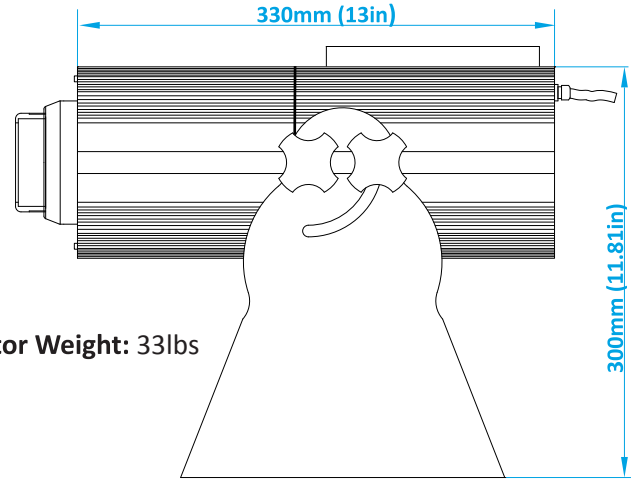




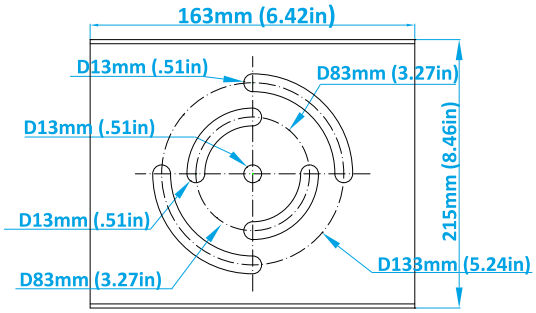
Projector Weight: 33lbs

Max. total length including the projection lens:

- Narrow: f=210mm/13°: 520mm (20.5in)
- Medium: f=140mm/20°: 405mm (16in)
- Semi-Wide: f=115mm/25°: 420mm (16.5in)
- Wide: f=87mm/30°: 420mm (16.5in)

Separate Driver (see driver datasheet for details)

- Dimensions: 252x90x44mm (10x3.5x1.7in) (LxWxH)
- Weight: 4.1lbs



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Model / Gobo Size	Color Temp.	Lens	Beam Mult.	Effective lm	CD	Value	PROJECTION DISTANCE IN FEET (ft) 3	6	9	12	15	18	24	30	36	42	64	88	112	136	200	250
ES-LED-B300E M-Size ID=48mm	6000k +/- 500k	200mm (15°)	0.25	10527	214,560	Size (ft)			2.3	3.0	3.8	4.5	6.0	7.5	9.0	10.5	16.0	22.0	28.0	34.0	50.0	62.5
						Brightness (fc)			2649	1490	954	662	373	238	166	122	52	28	17	12	5	3
		140mm (20°)	0.35	12462	129,600	Size (ft)		2.1	3.2	4.2	5.3	6.3	8.4	11	13	15	22	31	39	48	70	
						Brightness (fc)		3600	1600	900	576	400	225	144	100	73	32	17	10	7	3	
		115mm (25°)	0.42	11400	83,520	Size (ft)		2.5	3.8	5.0	6.3	7.5	10.0	13	15	18	27	37	47	57		
						Brightness (fc)		2320	1031	580	371	258	145	93	64	47	20	11	7	5		
		87mm (30°)	0.55	10600	44,640	Size (ft)		3.3	5.0	6.6	8.3	9.9	13.2	17	20	23	35	48	62			
						Brightness (fc)		1240	551	310	198	138	78	50	34	25	11	6	4			

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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). Color gobos project in vibrant colors.
45-300	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.
15-45	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.
15-3	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

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