ECO Spot™ B300PCE LED Gobo Projector - Spec Sheet

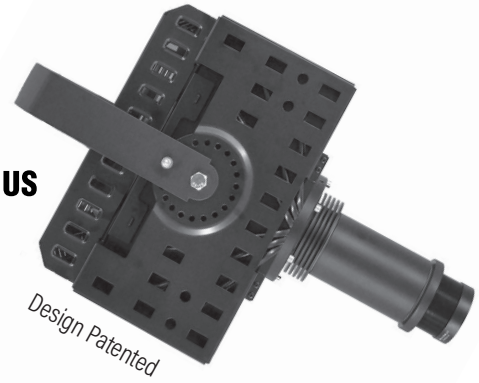
Weather and Dustproof Projector for Rugged Environments

Passive cooling - no moving parts such as fans or motors

Applications - for bright environments, large projection sizes and long distance projections

UL/cUL Certified - for wet and dusty environments

Interchangeable Projection Lenses - for a wide range of projection distances and sizes



SPECIFICATIONS

Order Code:	ES-B300PCE
Power Suply:	100-277V, 50/60Hz, 2.7A, 270W
Temp Rating:	-22°F to 140°F (-30°C to 60°C)
Environment:	Rugged, dusty, wet environments
Lamp Type:	LED - 300 Watt
LED Power Range:	Field Adjustable, 270W to 90W (see application notes)
Rated LED Lifespan:	25,000 hours to 60,000 hours depending on power setting
LED Color Temp:	8,000k +/- 500k
Luminous Flux:	20,000lm (effective flux 11,500lm)
Projection Lenses:	Narrow: f=290mm/10° Semi-Narrow: f=210mm/13° Medium: f=140mm/20° Semi-Wide: f=115mm/25° Wide: f=92mm/30° Ultra-Wide: f=56mm/40° - please note, lens has max Gobo ID of 44mm
Gobo Size:	M-Size - Outside Diameter: 66mm, Image Diameter: 48mm (ID=44mm for ultra-wide lens)
Gobo Types:	Glass or Metal Gobos only, no Film Gobos
Projection Range	
Bright Environment:	- Up to 60 feet
Dim Environment:	- Up to 200 feet
Dark Environment:	- Up to 400 feet
Safety Standards:	UL 48 Standard for Electric Signs, CSA C22.2 No. 207-15 Standard for Portable and Stationary Electric Signs and Displays.
UL Certificate Number:	E493665 Rated for Wet Environments

Gobo Source Projection Systems

4444 Scotts Valley Drive, Suite 5 | Scotts Valley, CA 95066, USA

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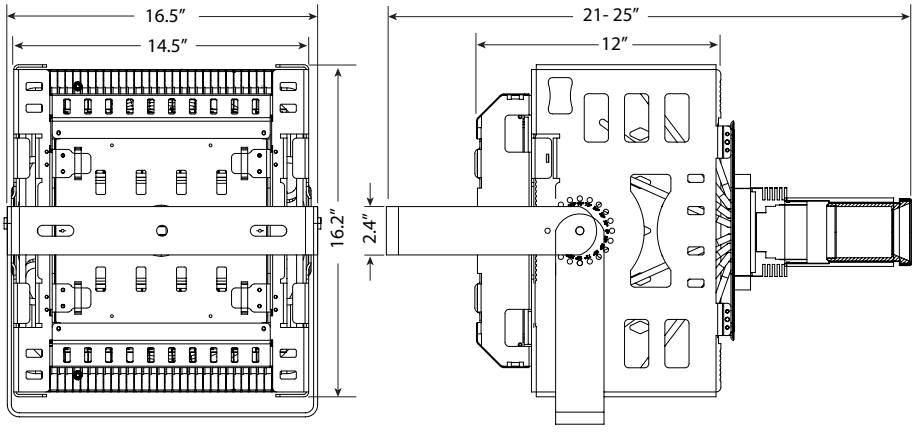
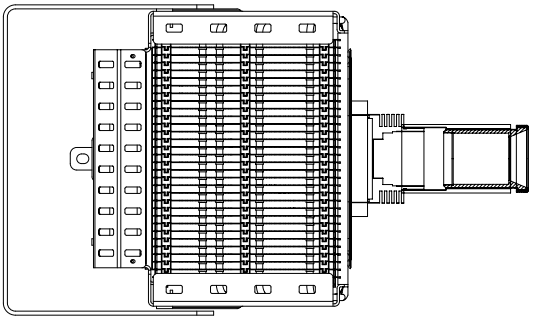
Dimensions
Projector Body: 14.5" x 16.5" x 12"
Projector Weight: 50lbs

Total Length
Including Projection Lens: - 21.5"
with Narrow or Semi-Narrow Lens: - 25"



Shipping Dimensions
Box Size: 28" x 20.5" x 19"
Box Weight: 56.5lbs



Product Warranty
Two year repair/replacement warranty for PCE Models
For warranty details please visit:
(https://www.gobosource.com/gos/pdf/Warranty_Gobosource.pdf)

Model Gobo Size	Gobo max ID	Lens	Beam Mult.	Effective lm	Efficiency lm/W	Value	PROJECTION DISTANCE IN FEET (ft) 3	6	9	12	15	20	24	30	36	42	64	88	112	136	200	300
ES-B300E ES-B300PCE M-Size OD=66mm ID=48mm	52mm	290mm (10°)	0.17	5020	17	Size (ft)			1.5	2.0	2.5	3.3	4.0	5.0	6.0	7.0	10.7	14.7	18.7	22.7	33.3	
						Brightn.(fc)			2844	1600	1024	576	400	256	178	131	56	30	18	12	6	
		209mm (13°)	0.23	8910	30	Size (ft)			2.1	2.8	3.5	4.6	5.5	6.9	8.3	9.7	14.7	20.2	25.8	31.3	46.0	69.0
						Brightn.(fc)			2649	1490	954	536	373	238	166	122	52	28	17	12	5	2
		140mm (20°)	0.35	11078	37	Size (ft)		2.1	3.2	4.2	5.3	7.0	8.4	11	13	15	22	31	39	48	70	
						Brightn.(fc)		3200	1422	800	512	288	200	128	89	65	28	15	9	6	3	
		115mm (25°)	0.42	12776	43	Size (ft)		2.5	3.8	5.0	6.3	8.3	10.0	13	15	18	27	37	47	57	83	
						Brightn.(fc)		2600	1156	650	416	234	163	104	72	53	23	12	7	5	2	
	48mm	92mm (30°)	0.55	10600	35	Size (ft)		3.3	5.0	6.6	8.3	11.0	13.2	17	20	23	35	48	62	75		
						Brightn.(fc)		1240	551	310	198	112	78	50	34	25	11	6	4	2		
	44mm recom.	56mm** (40°)	0.82	10261	34	Size (ft)		4.9	7.4	9.8	12.3	16.4	19.7	25	30	34	52	72	92	**For even brightness, max. ID=42mm		
						Brightn.(fc)		540	240	135	86	49	34	22	15	11	5	3	2			
Model Gobo Size	Gobo ID	Lens	Beam Mult.	Effective lm	CD	Value	3	6	9	12	15	20	24	30	36	42	64	88	112	136	200	300
							PROJECTION DISTANCE IN FEET (ft)															

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 .305. For Lux multiply footcandles by 10.76

Package Contents
Projector | Mounting Yokes | Lens Tube | Projection Lens | Test Gobo | User Manual

Have Questions? Call Us!
1.800.270.6449
www.gobosource.com/signs

GOBO SOURCE PROJECTION SYSTEMS
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