ECO Spot C60PCE LED Gobo Projector

Weather- and Dustproof Projector for Rough Environments

- **Passive Cooling** - No moving parts such as fans or motors.
- Ideal for dusty and wet industrial environments.
- For very bright environments, extra large projection sizes and distances.
- Interchangeable Projection Lenses, for wide projection distance/size range.
- Takes std. **D-size gobos**, up to Full Color.

SPECIFICATIONS:

Order Code:	**ES-60PCE**
Power Supply:	95V-265V, 50-60GHz, 75W
Other Build Options:	ES-C60E with active cooling and gobo rotator Passive Cooled models: 90W, 150W, 300W
Lamp Type:	LED 60W
LED Power Range:	Adjustable 60 to 70W
Rated Life:	30,000h depending on power setting
Color Temperature:	6,000k +/-500k
Luminous Flux:	4,000lm (effective flux 2,400lm)
Projection Lenses:	Narrow: f=140mm/10°, Semi-Narrow: f=100mm/15° Medium: f=70mm/25°, Ultra-Wide: f=28mm/45°
Gobo Dimensions:	D-Size (OD53mm, ID32mm), max. thickness: 4mm
Gobo Types:	Glass and Metal, **NO** film material

PROJECTION RANGE

Bright environment:	- up to 50ft
Dim environment:	- up to 90ft
Dark environment:	- up to 180ft (or more in very dark conditions)

SAFETY STANDARDS

Projector:	IP62 (self rated), UL in preparation
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

Specifications may change at any time, not liable for errors or omissions.

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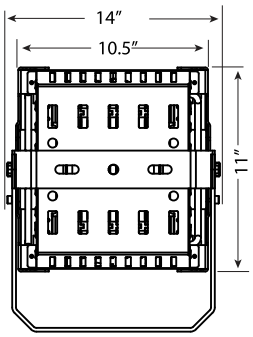
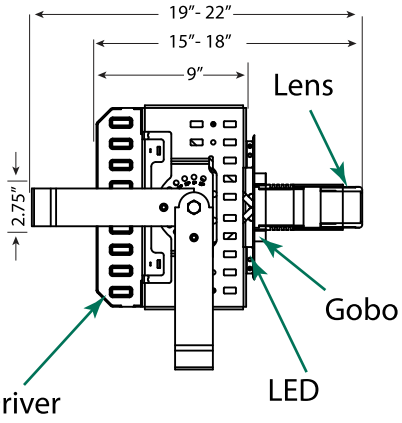
Dimensions:

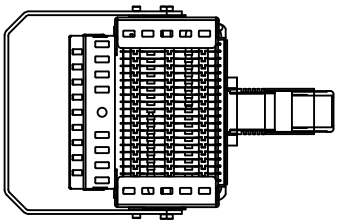
Projector Body: 11 x 10.5 x 9in
Weight: 14lbs





Total length including the projection lens:

- Narrow: f=140mm/10°: 18in
- Semi-Narrow: f=100mm/15°: 17in
- Medium: f=70mm/20°: 15in
- Ultra-Wide: f=28mm/45°: 16.5in



Total length including the lens & yoke:

- Narrow: f=140mm/10°: 22in
- Semi-Narrow: f=100mm/15°: 21in
- Medium: f=70mm/20°: 19in
- Ultra-Wide: f=28mm/45°: 21.5in

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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	20	24	30	36	42	64	88	112	136	200	250
ES-C60 ES-C60PCE ID=28mm	6000k +/- 500k	140mm (10°)	0.20	1763	56,160	Size (ft)			1.8	2.4	3.0	4.0	4.8	6.0	7.2	8.4	13	18	22			
						Brightness (fc)			693	390	250	140	98	62	43	32	14	7	4			
		100mm (15°)	0.29	3188	48,960	Size (ft)		1.7	2.6	3.5	4.3	5.8	6.9	8.6	10.4	12	18	25				
						Brightness (fc)		1360	604	340	218	122	85	54	38	28	12	6				
		70mm (20°)	0.39	3155	25,920	Size (ft)	1.2	2.4	3.5	4.7	5.9	7.9	9.5	12	14	17	25					
						Brightness (fc)	2880	720	320	180	115	65	45	29	20	15	6					
		50mm (25°)	0.50	3446	17,280	Size (ft)	1.5	3.0	4.5	6.0	7.6	10.1	12	15	18	21						
						Brightness (fc)	1920	480	213	120	77	43	30	19	13	10						
		28mm* (45°)	0.88	3151	5,184	Size (ft)	2.6	5.3	7.9	10.6	13.2	17.6	21	*Max. Gobo Image Size for this lens = 25mm								
						Brightness (fc)	576	144	64	36	23	13	9									

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How to Read the Illumination Values

Foot Candles ( )	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.
Projec on Size Calcula on	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 mul ply feet by .3048. For Lux mul ply footcandles by 10.76

PACKAGE CONTENTS

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

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