

# ECO Spot™ C20PC Gobo Projector - Spec Sheet

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

- Passive cooling** - Quiet Operation, Heat Sink Cooling
- Applications** - Bars, Restaurants, Promo Events, Weddings, ETC.
- 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** - Strong Aluminum, Stays Cool
- Unique Yoke** - Yoke/Stand Combo - Truss Mounting or Free Standing



## SPECIFICATIONS

- Order Code:** ES-C20PC
- Power Supply:** 100-240/277V, 50/60Hz, 25W
- Temp Rating:** -22°F to 122°F (-30°C to 50°C)
- Environment:** Indoor, Outdoor with Cover or Enclosure

- Lamp Type:** LED - 20 Watt
- Rated LED Lifespan:** 30,000 hours depending on power setting
- LED Color Temp:** 7,000k +/- 500k
- Luminous Flux:** 1,800lm (effectiveflux1,000lm)

- Projection Lenses:** Semi-Narrow: f=100mm/15°  
Wide: f=56mm/25°
- 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 30 feet
- Dim Environment:** - Up to 60 feet
- Dark Environment:** - Up to 140 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:

Semi-narrow Lens: - 11 1/4"  
 Wide Lens: - 10 1/4"

## 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](https://www.gobosource.com/gos/pdf/Warranty_Gobosource.pdf))

ECO Spot™ Photometrics											PROJECTION DISTANCE IN FEET (ft)														
Model Gobo Size	Gobo max ID	Lens	Beam Mult.	Effective Im	Efficiency Im/W	D=? 22	Value	3	6	9	12	15	20	24	30	36	42	64	88	112	136	200	300		
ES-C20PC ID=25mm	5500k +/- 500k	140mm (10")	0.18	0	0	4.0	Size (ft)			1.6	2.2	2.7	3.6	4.3	5.4	6.5	7.6	11.5	16						
						0	Brightn.(fc)			0	0	0	0	0	0	0	0	0	0	0					
		100mm (16")	0.29	931	47	6.3	Size (ft)		1.7	2.6	3.4	4.3	5.7	6.9	8.6	10.3	12	18							
						30	Brightn.(fc)		400	178	100	64	36	25	16	11	8	4							
		70mm (20")	0.35	0	0	7.7	Size (ft)	1.1	2.1	3.2	4.2	5.3	7.0	8.4	11	13	15								
				0	Brightn.(fc)	0	0	0	0	0	0	0	0	0	0	0	0								
		56mm (23")	0.42	997	50	9.2	Size (ft)	1.3	2.5	3.8	5.0	6.3	8.4	10	13	15	18								
						15	Brightn.(fc)	800	200	89	50	32	18	13	8	6	4								
		28mm* (40")	0.85	0	0	18.7	Size (ft)	2.6	5.1	7.7	10.2	12.8	17.0												
						0	Brightn.(fc)	0	0	0	0	0	0												

*\*Max. Gobo Image Size for this lens = 25mm*

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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. <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>
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
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
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](http://www.gobosource.com)



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