

ECO Spot™ C20PCE LED Gobo Projector - Spec Sheet

Compact Gobo Projector for Rugged Environments

- Ultra-Compact, industrial strength gobo projector for rugged in- and outdoor applications
- Sealed system, passive cooled.
- Wide range of interchangeable projection lenses.
- Image size from 3' in very bright- to 20' in dark environments.



SPECIFICATIONS

Item Code:	ES-C20PCE
Power Supply:	100-240/277VAC, 50/60Hz (Voltage Range: 90-305VAC, 48-63Hz; 127-431VDC)
Power Draw:	25W, 0.22A/115V, 0.1A/277V
Inrush Current:	COLD START 50A (t width=200µs at 50% I peak) at 230VAC per NEMA 410
Units per Breaker:	20A Type C: 27 units, 16A Type C: 22 units

Environmental Rating:	Driver: IP67, Projector: IP65
Safety Standards:	EC: EN IEC 60598-1:2021, N IEC 60598-2-1:2021, Driver: UL E334687
Driver:	Meanwell LPF-25-20, external, included
Temperature Range:	-40°F to 104°F (-40°C to 40°C)

Lamp Type:	20W LED, color temperature 8,000k, CRI 75
Rated LED Life:	35,000 hours (L70)
Luminous Flux:	1,300lm, (effective flux 840lm)

Gobo Size / Type:	E -Size - OD: 37.5mm, ID:25mm / Glass or Metal		
Projection Lenses:	Ultra-Narrow: f=290mm/6°	Narrow: f=140mm/10°	
	Semi-Narrow: f=100mm/15°	Medium: f=70mm/20°	
	Wide: f=56mm/25°	Ultra-Wide: f=28mm/45° (max. Gobo ID:23mm)	

Projection Range / Size	Bright Env.	Average Env.	Dim Env.	Dark Environment	
Max. Projection Range:	16' (5m)*	22' (7m)	30' (9m)	80' (24m)	* with Ultra-Narrow lens
Max. Projection Size:	3' (1m)	4.5' (1.5m)	6' (1.8m)	20' (6m)	



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Dimensions

Projector (L x W x H) 7.75 x 3.9 x 7.2 (197 x 100 x 183mm)
 Driver L x W x H 6 x 1.5 x 1.25" (152 x 38 x 32mm)

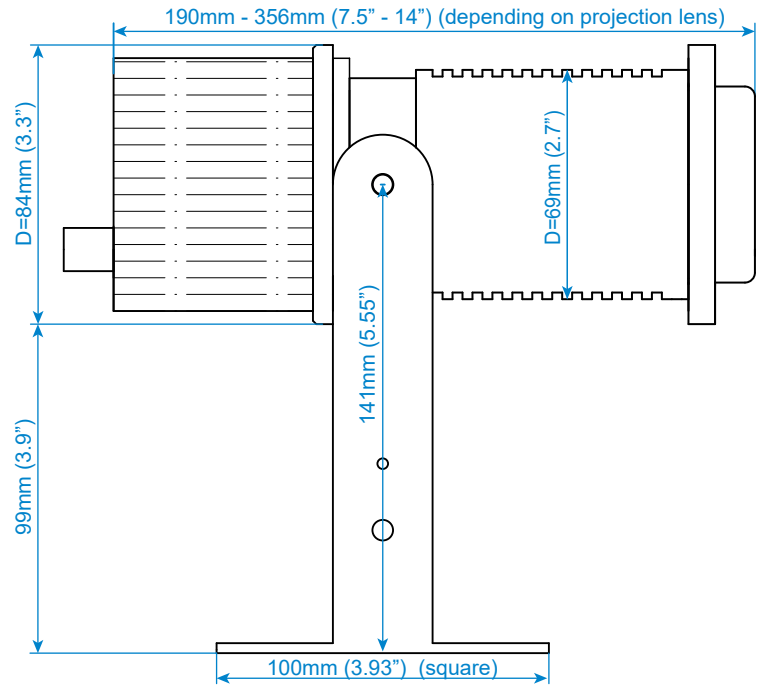
Projector Weight: 2.4lbs (1000g)
 Driver weight: 1.1lbs (500g)

Total Length Including Projection Lens:

Ultra-Narrow f=290mm/6° 14" (356mm)
 Narrow f=140mm/10° 10" (254mm)
 Semi Narrow f=100mm/15° 9.25" (235mm)
 Medium f=70mm/20° 8.25" (210mm)
 Wide f=56mm/25° 8.25" (210mm)
 Ultra Wide/40° 8.5" (216mm)

Box Dimensions

Box Size: 15.5 x 8.25 x 6" (395 x 210 x 155mm)
 Box Weight: 5lbs (2250g)



Photometrics

ECO Spot™ Photometrics																					
Model Gobo Size	Gobo max ID	Lens	Beam Mult.	Effective lm	Efficiency lm/W	CD	Value	PROJECTION DISTANCE IN FEET (ft)													
ES-C20PCE E-Size OD=37.5mm ID=25mm	25mm	140mm (10°)	0.18	641	16	25,200	Size (ft)	3	6	9	12	15	20	24	30	36	42	64	88	112	136
		Brightn.(fc)									1.6	2.2	2.7	3.6	4.3	5.4	6.5	7.6	11.5	15.8	20.2
		100mm (15°)	0.26	841	21	15,840	Size (ft)			1.6	2.3	3.1	3.9	5.2	6.2	7.8	9.4	11	17	23	29
		Brightn.(fc)								440	196	110	70	40	28	18	12	9	4	2	1
	70mm (20°)	0.35	692	17	7,200	Size (ft)	1.1	2.1	3.2	4.2	5.3	7.0	8.4	10.5	12.6	14.7	22.4	30.8			
	Brightn.(fc)								800	200	89	50	32	18	13	8	6	4	2	1	
	56mm (25°)	0.45	732	18	4,608	Size (ft)	1.4	2.7	4.1	5.4	6.8	9.0	11	14	16	19	29	40			
	Brightn.(fc)								512	128	57	32	20	12	8	5	4	3	1	1	
23mm	28mm* (40°)	0.85	817	20	1,440	Size (ft)	2.6	5.1	7.7	10.2	12.8	17.0	20.4	25.5	30.6	35.7	*For best focus/brightness, max. ID=23mm				
						Brightn.(fc)	160	40	18	10	6	4	3	2	1	1					

Product Warranty

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

Package Contents

Projector | Driver | Mounting Yoke | Projection Lens | Test Gobo | User Manual

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

