

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:	PSC20PCE
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)	

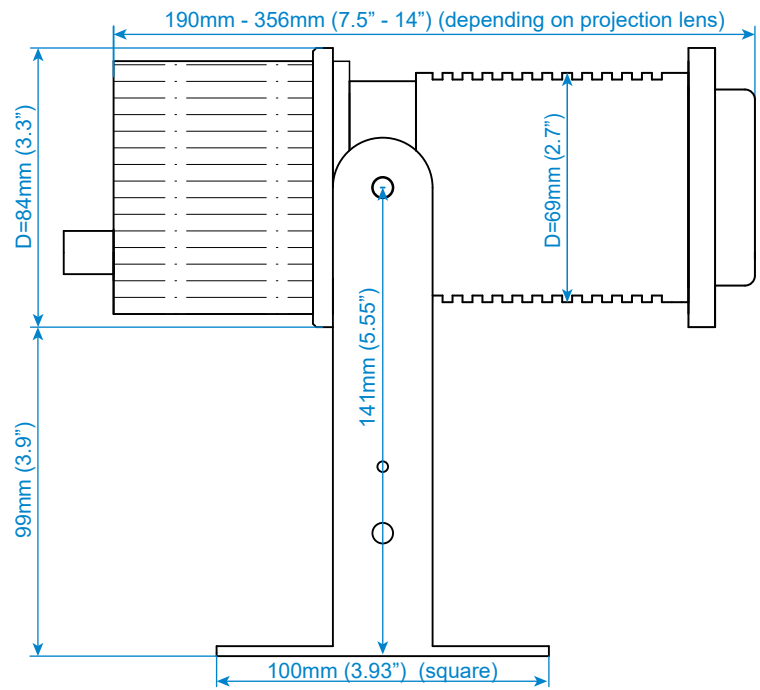
Dimensions

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)

PRO Spot™ Photometrics																						
Model	Gobo Size	Gobo max ID	Projection Lens	Effective Lumens	Beam Multi.	Foot candles	PROJECTION DISTANCE IN FEET (FT)															
							3	5	8	10	15	20	25	30	35	40	50	75	100	150	200	300
PS-C20PCE E-Size OD=37.5mm ID=25mm	25mm	140mm (10°)	641	0.18	25200	Size (ft)	0.5	0.9	1.4	1.8	2.7	3.6	4.5	5.4	6.3	7.2	9.0	13.5	18.0	27.0	36.0	54.0
						Brightn.(fc)		1008.0	393.8	252.0	112.0	63.0	40.3	28.0	20.6	15.8	10.1	4.5	2.5	1.1		
		100mm (15°)	841	0.26	15840	Size (ft)	0.8	1.3	2.1	2.6	3.9	5.2	6.5	7.8	9.1	10.4	13.0	19.5	26.0	39.0	52.0	78.0
						Brightn.(fc)	1760.0	633.6	247.5	158.4	70.4	39.6	25.3	17.6	12.9	9.9	6.3	2.8	1.6			
	70mm (20°)	692	0.35	7200	Size (ft)	1.1	1.8	2.8	3.5	5.3	7.0	8.8	10.5	12.3	14.0	17.5	26.3	35.0	52.5	70.0	105.0	
					Brightn.(fc)	800.0	288.0	112.5	72.0	32.0	18.0	11.5	8.0	5.9	4.5	2.9	1.3					
	56mm (25°)	732	0.45	4608	Size (ft)	1.4	2.3	3.6	4.5	6.8	9.0	11.3	13.5	15.8	18.0	22.5	33.8	45.0	67.5	90.0	135.0	
					Brightn.(fc)	512.0	184.3	72.0	46.1	20.5	11.5	7.4	5.1	3.8	2.9	1.8						
23mm	28mm* (40°)	817	0.85	1440	Size (ft)	2.6	4.3	6.8	8.5	12.8	17.0	21.3	25.5	29.8	34.0	42.5	63.8	85.0	127.5	170.0	255.0	
					Brightn.(fc)	160.0	57.6	22.5	14.4	6.4	3.6	2.3	1.6	1.2								
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	Projection Size = Distance x Beam Mult. Distance = Projection Size / Beam Mult.					For the resulting Projection Size at any given Distance, Multiply the number in the "Beam Mult." column with your Projection Distance. For the Distance needed to achieve a desired Projection Size, Divide the Projection size by the Beam Multiplier.																
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.																					
2-15	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.																					

For Metric Conversion: For Meters, Multiply Feet by .305 / For LUX Multiply Footcandles by 10.76

Product Warranty

Two year repair/replacement warranty for PCE Models

Package Contents

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