

ECO Spot™ PCE-Series User Manual

Thank you for choosing an ECO Spot™ Gobo projector.
This manual covers the ECO Spot PCE Series models.

Please read this manual before installing or operating the fixture,
follow the safety precautions listed below and observe all
warnings.



Package Contents

- ✓ Projector with power cord
- ✓ Test Gobo
- ✓ Spare gobo retaining ring
- ✓ Mounting hardware for yoke

Safety Information

- Please unpack and carefully check for damage caused during transportation.
- Light fixtures should be installed and maintained only by qualified personnel with experience in lighting equipment and general electrical experience.
- When suspending the fixture above ground level, verify that the structure can hold at least 10 times the weight of all installed devices.
- Verify that all external covers and rigging hardware are securely fastened and use an approved means of secondary attachment such as a safety cable.
- Place your fixture at a suitable place with good air flow.
- Keep flammable materials away from the fixture.
- Minimum distance to flammable material = 1 ft. (0.3m).
- Provide a minimum clearance of 4 in. (10cm) around air vents.
- Use only genuine spare parts for part replacement.
- Do not look directly into the lamp; it can result in eye damage.
- Always unplug the unit from the power mains before any service is done.

Electrical Safety

- Disconnect the fixture from AC power before handling it.
- Always ground (earth) the fixture electrically.
- Use only a power source that complies with local building and electrical codes and has both, overload and ground-fault protection.
- Do not use the fixture if the power cable or power plug is in any way damaged or defective, or if they show signs of overheating.

Warranty

Two years from Date of Purchase. Keep your receipt for reference and contact your dealer in case of warranty issues.

Projection Lenses

The projector accommodates interchangeable projection lenses to allow optimizing the projection size and resulting brightness at varying distances. The narrower the lens, the smaller and brighter the image will be at a given distance.

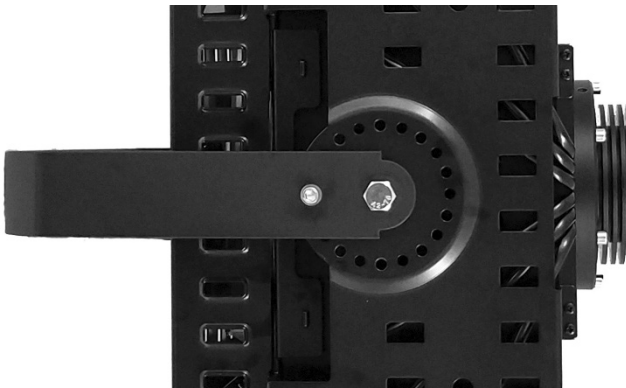
When replacing lenses, ensure to also move the lock ring and silicone seal O-ring to the new lens.

Focusing

- Power up the projector.
- Focus the projection by twisting the lens in and out until the image is well focused. When used for the first time, the lens will often need to be twisted outwards many rotations to reach the focusing point.
- When done secure the lens by tightening the locking. If used in wet environments, make sure the silicone O-ring seal between the locking is not missing.

Yoke

- The projector comes with a yoke that may not have been previously attached. Attach it to the projector by using the provided mounting screws



Gobo Placement (see *Specifications* for Gobo Dimensions)

The projector is equipped with an integrated gobo holder, which is accessible after removing the lens tube (not the lens).

- Unscrew the lens tube to expose the gobo holder attached to the fixture.
 - Squeeze the two pins of the gobo retaining ring together and pull it out of the holder. Carefully remove the old gobo and replace it with the new one.
 - If you have a glass gobo, place the more reflective side towards the light bulb.
 - Replace the retaining ring and make sure it evenly pushes the gobo all the way back.
 - Before replacing the lens tube, turn on the projector and hold it in front of the gobo to check the position of the projected image. Rotate the gobo inside the holder to fine-adjust its position.
 - Replace the lens tube by twisting it all the way in and compress the silicone seal.
- Depending on the gobo thickness, you may have to re-adjust the focus. Refer to "Focusing".



	60PCE	90PCE	150PCE	300PCE
Input Voltage Range	90-305VAC, 47-63Hz			
Ambient Operating Temp.	-13 to 104°F (-25 to 40°C)			
Input Power	70W	100W	165W	310W
Typ Input Current	0.6A/115V, 0.3/277V	1.4A/115V, 0.55A/277V	4A/115V, 1.2A/277V	3.5A/115V, 1.45A/277V
LED Power	60W	90W	150W	300W
Gobo Size	E-Size OD37.5mm, ID48mm	M-Size OD66mm, ID48mm		
Rated lumens (lm)	4,000lm	7,200lm	12,000lm	20,000lm
Effective lumens (lm)	3,400lm	6,300lm	8,900lm	11,500lm
Color Temperature (k)	6000 +/-500			
CRI	75	75	75	75
Rated Bulb life (L70)	40,000h	35,000h	35,000h	30,000h
Lens Options	Narrow: f=140mm/10° Semi-Narrow: f=100mm/15° Medium: f=70mm/20° Wide: f=50mm/25° Ultra-Wide: f=28mm/45°	Semi-Narrow: f=200mm/15° Medium: f=140mm/20° Semi-Wide: f=115mm/25° Wide: f=90mm/30°		
Dimensions (incl lens)	15"x10.75"x10"	18"x10.75"x12"	19"x14.5"x13"	22"x16.2"x14"
Weight (lbs)	19lbs	21lbs	28lbs	40lbs