

# Barco B-Series

## LASER LIGHT UPGRADE KIT

Cinionic's laser light source with RGB+ technology combines the efficiency of laser phosphor with the accuracy of RGB laser in one modular package. The result? Vivid colors, incredible brightness, fully integrated into the projector and highly energy efficient.

- **Instant laser upgrade**
- **One-to-one form fit in Barco Series 2**
- **Exceptional Image Quality**
- **Highest lumens/watt offer on the market**



### **Instant laser upgrade**

Cinionic's Laser Light Upgrade kit (LLU) allows you to upgrade any Barco Series 2 xenon projector to laser in as little as 4 hours. In other words, with Cinionic, you can benefit from the advantages of laser in no time at all with minimal investment.

### **One-to-one form fit with Barco Series 2**

The RGB+ laser light source is designed to fit within the existing casing of any Barco Series 2 xenon projector with, for selected types, the addition of a cooler module on top, eliminating the need for air extraction. Thanks to this fit for purpose design, the entire projector – not just the light source – is manufacturer certified and complies with all safety standards. This approach allows Cinionic to respect the current warranty and even unlocks the option to extend the warranty on the complete projector up to 13 years.

### **Exceptional Image Quality**

This unprecedented combination of two worlds generates an amazing color space compliant with DCI P3, and wide color gamut ready. The RGB+ laser light source generates up to 30% more brightness compared to the original xenon specification, with up to 20% more contrast. Without a doubt, this solution empowers you to deliver the best viewing experience possible using your current projector fleet.

### **Highest lumens/watt offer on the market**

Cinionic's RGB+ technology does away with the need for a notch filter (brightness killer), optimizing the advantages of laser light source energy efficiency. The solution is capable of generating an unmatched 12 lumens per watt. This results in the biggest reduction on the market in both optical and thermal power consumption, for up to 70% savings per year.

	LLU DPxK-14B+	LLU DPxK-17B+	LLU DPxK-23B+	LLU DPxK-32B+	LLU DPxK-37B+
<b>Laser technology</b>	RGB+				
<b>Compatibility</b>	DPxK-19B DPxK-23B DPxK-32B	DPxK-19B DPxK-23B DPxK-32B	DPxK-19B DPxK-23B DPxK-32B	DP2xK-32B	DP2xK-32B
<b>Brightness*</b>	13,500 lumens	17,000 lumens	23,000 lumens	31,500 lumens	37,000 lumens
<b>Power efficiency</b>	12 lumens/watt				
<b>Power rating (total projector)</b>	24A @ 200-240V 50-60Hz		30A @ 200-240V 50-60Hz		16A @ 230/400V 3W+N+PE 50-60Hz 27A @ 208V 3W+PE 50-60Hz
<b>Long-term brightness stability</b>	30,000hrs @ average usage conditions				
<b>Light source dimensions (LxWxH)</b>	612 x 341 x 317 mm 24 x 13.4 x 12.5 inches			636 x 380 x 353 mm 25.0 x 15.0 x 13.9 inches	
<b>Light source and LDM weight</b>	15.6 kg 34.4 lbs			22.6 kg 48.5 lbs	
<b>Ambient temperature</b>	Max. 35°C or 95°F (projector and cooler)				
<b>Ambient humidity</b>	Max. 85 % (projector and cooler)				
<b>Certification &amp; compliance</b>	GB 4943.1, IEC60825, IEC/EN62471, IEC/EN/UL60950-1 EU/China ROHS, REACH, WEEE				
<b>3D systems</b>	Active glasses systems and polarization systems on silver screens are supported. Color separation systems (Dolby 3D and 6P) are not supported.				
<b>Safety requirements</b>	<p>Show safety: the customer shall take precaution for the laser safety (respect the hazard distance and separation height) according to local laser show safety regulations.</p> <p>Workplace safety: the customer shall take precaution for:</p> <ul style="list-style-type: none"> <li>workplace safety as prescribed by the local authorities</li> <li>basic laser safety training for operators</li> <li>laser safety program implementation in the company;</li> <li>access limitation only to trained personnel: area labelling, etc.</li> </ul>				
<b>Lens compatibility</b>	R9856504 - 2K:1.25-1.90 1.2"/4K:1.13-1.72 1.38"/4K:1.58-2.41 0.98" R9856506 - 2K:1.25-1.91 1.2"/4K:1.13-1.72 1.38"/4K:1.58-2.42 0.98" R9856294 - 2K:1.49-2.05 1.2"/4K:1.35-1.86 1.38"/4K:1.89-2.60 0.98" R9856297 - 2K:1.61-2.31 1.2"/4K:1.46-2.10 1.38"/4K:2.04-2.93 0.98" R9856300 - 2K:1.82-2.86 1.2"/4K:1.65-2.60 1.38"/4K:2.31-3.62 0.98" R9856303 - 2K:2.21-3.70 1.2"/4K:2.00-3.35 1.38"/4K:2.80-4.69 0.98"				
<b>Warranty</b>	5 years or 30,000 hours, whichever occurs first				



\*Actual brightness out of projector may vary based on projector condition / optical losses  
 Technical specifications are subject to change without prior notice