

# Barco B-Series - LLU Kit

Laser Light Upgrade with RGB+ technology



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

The 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, 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

Thanks to its fit for purpose design, the entire projector – not just the light source – is manufacturer certified and complies with all safety standards. This approach allows Barco 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.

## Highest lumens/watt offer on the market

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.

## Product specifications

## BARCO B-SERIES - LLU KIT

### General specifications

Brightness	LLU DPxK-14B+ :13,500 lumens*
	LLU DPxK-17B+ :17,000 lumens*
	LLU DPxK-23B+ :23,000 lumens*
	LLU DPxK-32B+ :31,500 lumens*
	LLU DPxK-37B+ :37,000 lumens*
Prime lenses	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"
Long-term brightness stability	30,000hrs @ average usage conditions
Dimensions (WxLxH)	LLU DPxK-14B+/17B+/23B+ : 612 x 341 x 317 mm / 24 x 13.4 x 12.5 inches
	LLU DPxK-32B+/37B+ : 636 x 380 x 353 mm / 25.0 x 15.0 x 13.9 inches
Weight	LLU DPxK-14B+/17B+/23B+ : 15.6 kg / 34.4 lbs
	LLU DPxK-32B+/37B+ : 22.6 kg / 48.5 lbs
Power requirements	LLU DPxK-14B+/17B+ : 24A @ 200-240V (50-60Hz)
	LLU DPxK-23B+ : 30A @ 200-240V (50-60Hz)
	LLU DPxK-32B+/37B+ : 16A @ 230/400V 3W+N+PE, 27A @ 208V 3W+PE (50-60Hz)
Ambient temperature	Max. 35°C or 95°F (projector and cooler)
Ambient humidity	Max. 85 % (projector and cooler)
Power consumption	12 lumens/watt
3D systems	Active glasses systems and polarization systems on silver screens are supported.
	Color separation systems (Dolby 3D and 6P) are not supported.
Safety requirements	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.
	Workplace safety: the customer shall take precaution for:
	• workplace safety as prescribed by the local authorities
	• basic laser safety training for operators
	• laser safety program implementation in the company;
	• access limitation only to trained personnel: area labelling, etc.
	GB 4943.1, IEC60825, IEC/EN62471, IEC/EN/UL60950-1, EU/China ROHS, REACH, WEEE
*	Actual brightness out of projector may vary based on projector condition / optical losses

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