

DP4K-23BLP

Smart Laser cinema projector for screens between 18-23m (59-75 ft)



- **Reduced total cost of ownership**
- **Unprecedented ease of mind**
- **Superior image quality**

Designed for large to mid-size movie screens, the DP4K-23BLP delivers consistent, razor-sharp, and high-contrast images with native 4K resolution and 24,500 lumens brightness. It's the world's first 4K laser phosphor cinema projector.

Reduced total cost of ownership

Eliminating all lamp-related costs, the DP4K-23BLP provides a very attractive TCO. Thanks to its unique cooling system, the projector boasts a 30,000-hour constant brightness at typical usage conditions. Its significantly higher optical efficiency results in electricity bill savings of up to 40%.

Unprecedented ease of mind

The DP4K-23BLP cuts operating expenses, reduces operational complexity, and optimizes labor cost. It increases your uptime and frees you from all lamp-related costs, administration, and maintenance.

Superior image quality

The DP4K-23BLP offers consistent DCI-compliant image quality with native 4K resolution, outstanding uniformity, and higher contrast on white and silver screens. Its light output can be dimmed to 30% of the initial brightness, enabling 2D and 3D showings from the same projector.

Retrofit ready

If you already own a Barco B-series projector you can replace your current lamp house with the unique laser phosphor retrofit module through an easy on-site upgrade.

PRODUCT SPECIFICATIONS**DP4K-23BLP**

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|---|---|
| Brightness | 24,500 lumens (typical) |
| Native contrast ratio | 2,000:1 (typical) |
| Prime lenses | 1.13-1.72; 1.35-1.86; 1.46-2.10; 1.65-2.60; 1.95-3.26; 2.53-4.98 |
| Resolution | 4,096 x 2,160 |
| Long-term brightness stability | 30,000 hrs @ average usage conditions |
| Dimensions (WxLxH) | Projector: 754 x 1,129 x 604 mm / 29.69 x 44.5 x 23.78 inches Cooler: 561.5 x 738.5 x 348 mm / 22.11 x 29.07 x 13.7 inches |
| Weight | Projector: 144kg (318 lb) Cooler: 32kg (70.6 lb) |
| Cooling liquid hose length | 4 hoses; 0.5m, 2.5m, 5m and 8m (1.6ft/8.2ft/16.4ft/26.2 ft) |
| Vertical separation between cooler and projector | Maximum 3m (10ft) (higher or lower) |
| Power requirements | Projector: single phase 200-240V 20A Cooler: obtains power from the projector |
| Heat load (max. power) | 10796 BTU/h |
| Ambient temperature | 35°C (95°F) Max. (projector and cooler) |
| Ambient humidity | 85% Max. (projector and cooler) |
| Media server | Barco Alchemy ICMP and other IMB brands supported. |
| Power consumption | Projector (incl. cooler): 3.3 kW |
| Noise Level | dB(A) @ 1 m: 67.6 dB(A) 62 dB(A) (half fan speed) |
| 3D systems | Active glasses systems and polarization systems on silver screens are supported. Color separation systems (Dolby3D and 6P) are not supported. |
| Safety requirements | Class 1 risk group 3 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: <ul style="list-style-type: none">▪ 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. |

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Technical specifications are subject to change without prior notice. Please check www.barco.com for the latest information.