

DP4K-23BLP

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



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.

BARCO

Visibly yours

Product specifications

DP4K-23BLP

Resolution	4,096 x 2,160
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
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
Ambient temperature	35°C (95°F) Max. (projector and cooler)
Ambient humidity	85% Max. (projector and cooler)
Power consumption	Projector (incl. cooler): 3.3 kW
Media server	Barco Alchemy ICMP and other IMB brands supported.
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: ■ 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.