

# 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**

<b>Brightness</b>	24,500 lumens (typical)
<b>Native contrast ratio</b>	2,000:1 (typical)
<b>Prime lenses</b>	1.13-1.72; 1.35-1.86; 1.46-2.10; 1.65-2.60; 1.95-3.26; 2.53-4.98
<b>Resolution</b>	4,096 x 2,160
<b>Long-term brightness stability</b>	30,000 hrs @ average usage conditions
<b>Dimensions (WxLxH)</b>	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
<b>Weight</b>	Projector: 144kg (318 lb) Cooler: 32kg (70.6 lb)
<b>Cooling liquid hose length</b>	4 hoses; 0.5m, 2.5m, 5m and 8m (1.6ft/8.2ft/16.4ft/26.2 ft)
<b>Vertical separation between cooler and projector</b>	Maximum 3m (10ft) (higher or lower)
<b>Power requirements</b>	Projector: single phase 200-240V 20A Cooler: obtains power from the projector
<b>Heat load (max. power)</b>	10796 BTU/h
<b>Ambient temperature</b>	35°C (95°F) Max. (projector and cooler)
<b>Ambient humidity</b>	85% Max. (projector and cooler)
<b>Media server</b>	Barco Alchemy ICMP and other IMB brands supported.
<b>Power consumption</b>	Projector (incl. cooler): 3.3 kW
<b>Noise Level</b>	dB(A) @ 1 m: 67.6 dB(A) 62 dB(A) (half fan speed)
<b>3D systems</b>	Active glasses systems and polarization systems on silver screens are supported. Color separation systems (Dolby3D and 6P) are not supported.
<b>Safety requirements</b>	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"><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>

Last updated: 21 Jan 2020

Technical specifications are subject to change without prior notice. Please check [www.barco.com](http://www.barco.com) for the latest information.