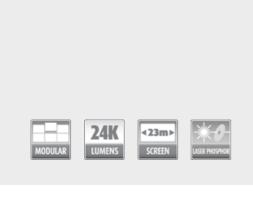
## DP2K-23BLP

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



Designed for large to mid-size movie screens, the DP2K-23BLP provides 2K resolution, high contrast, and 24,500 lumens brightness for superior image quality.



#### Reduced total cost of ownership

Eliminating all lamp-related costs, the DP2K-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 DP2K-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 DP2K-23BLP offers consistent DCI-compliant image quality with 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 DP2K-23BLP

| Resolution                                       | 2,048 x 1,080   |
|--|---|
| Brightness                                       | 24,500 lumens (typical)   |
| Native contrast ratio                            | 2,400:1 (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<br>Cooler: 561.5 x 738.5 x 348 mm / 22.11 x 29.07 x 13.7 inches   |
| Weight   | Projector: 144kg (318 lb)<br>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<br>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:<br>67.6 dB(A)<br>62 dB(A) (half fan speed)   |
| 3D systems                                       | Active glasses systems and polarization systems on silver sceens 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. |



