

# DP4K-13BLPHC

Smart Laser cinema projector for small to mid-size premium movie screens



- High-contrast images
- Reduced total cost of ownership
- Unprecedented ease of mind

The DP4K-13BLPHC doubles the contrast of the Smart Laser projector series to provide an improvement of image quality to mid-size premium screens. It delivers consistent, razor-sharp, and high-contrast images with native 4K resolution and 11,500 lumens native brightness. It's perfectly suited for small to mid-size movie screens ranging from 8 up to 13 meters (26 up to 32.7 feet).

### Superior image quality

The DP4K-13BLPHC offers consistent DCI-compliant image quality with native 4K resolution, outstanding uniformity, and 5,000:1 native 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.

### Reduced total cost of ownership

Eliminating all lamp-related costs, the DP4K-13BLPHC provides a very attractive TCO. Thanks to its unique cooling system, the projector boasts a 30,000-hour constant brightness at typical usage conditions.

### Unprecedented ease of mind

The DP4K-13BLPHC cuts operating expenses, reduces operational complexity, and optimizes labor cost. The projector increases your uptime and frees you from all lamp-related costs, administration, and maintenance.

**TECHNISCHE SPECIFICATIES****DP4K-13BLPHC**

|  |   |
|--|---|
| Brightness                                       | 11,500 lumens (typical)   |
| Native contrast ratio                            | 5,000:1 / 600:1 native ANSI contrast  |
| Prime lenses                                     | 1.13-1.72; 1.35-1.86; 1.46-2.10; 1.65-2.60; 2.00-3.35   |
| 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<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  |
| 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:<br>67.6 dB(A)<br>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"><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: 04 Feb 2021

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