

DP2K B-series

Ultra-bright DLP Cinema® projectors

Preliminary



Key benefits

- Ultimate Brightness, including the brightest projector on the planet (DP2K-32B)
- Lowest cost of ownership thanks to lowest lamp operating cost, re-usable filters, low maintenance, etc.
- Maximum ease-of-use through intuitive user interface and smart auto lamp alignment
- Long-term image quality and brightness thanks to Barco proprietary sealed engine and advanced DMD cooling
- Easy installation and maintenance thanks to proven modular design and common platform with DP2K C-series
- Next-generation electronics ready for DLP Cinema® Enhanced 4K*

Building on many years' experience in digital cinema, Barco has developed a new generation of modular cinema projectors: the DP2K series.

For large and mid-size movie theaters, Barco created a dedicated family of ultra-bright DP2K B-series projectors, based on Texas Instrument's proven 1.2" DLP Cinema® chip. The high-performance B-series ensure a sparkling movie experience in 2D and 3D, even on the largest cinema screens. What's more, they combine this amazing image quality with a maintenance-friendly architecture and lowest cost of ownership.

Ultimate brightness, stunning 3D capabilities

Thanks to their highly efficient optical design, the DP2K-19B and DP2K-23B are the brightest cinema projectors in their league. This guarantees a premium cinema experience in venues equipped with screens up to 19 or 23m wide. The top-of-the-line Barco DP2K-32B delivers even more brightness, making it the brightest cinema projector on the planet. Thanks to this record light output, the DP2K-32B is the ultimate 3D machine.

*dependent on availability of DLP Cinema® enhanced 4K 1.38" DMD from Texas Instruments

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DP2K B-series specifications

	DP2K-19B	DP2K-23B	DP2K-32B
Digital Micro Mirror devices	3 x 1.2" DC2K dark metal devices		
Native resolution	2,048 x 1,080 pixels		
Housing	hermetically sealed DMD™ and optical assembly		
Lamp power	1.5kW - 3kW (Xenon lamp)	1.5kW - 4kW (Xenon lamp)	1.5kW - 7kW (Xenon lamp)
Screen width	19m	23m	32m
Contrast ratio	2,000:1		
Digital video inputs	2 x SMPTE 292M inputs 2 x DVI input both selectable as single and dual link		
Control I/O	Ethernet, 8x GPIO, Serial RS232		
Prime lenses	1.25 - 1.45 1.4 - 2.05 1.6 - 2.35 1.8 - 2.8 2.15 - 3.6 2.8 - 5.5		
Projector diagnostics	via PC touch panel via Communicator control software via SNMP agent		
Power requirements	3x 400V + N or 3x 220V - 30,000 BTU/hr (with 6.5kW lamp)		
Dimensions	604(H) x 754(W) x 1129(D) mm - 23.78(H) x 29.69(W) x 44.45(D) inch <i>NB.: min. 5 cm of air inlet spacing required at the bottom of projector</i>		
Weight	133 kg (293 lbs)	133 kg (293 lbs)	140 kg (309 lbs)
Max. ambient temperature	35°C / 95°F		
Standard features	CLO (Constant Light Output) Powerful SNMP agent Motorized/memorized lens (focus, zoom & shift) Smart auto lamp alignment HDCP support Full 2K triple flash 3D		
Options	ACS-2048 3D add-ons Touch panel Pedestal		
Order information	R9005902	R9005901	R9005900



M00333-R00-0210-DS

The information and data given are typical for the equipment described.
However any individual item is subject to change without any notice.
The latest version of this brochure can be found on www.barco.com.

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