

DP2K-20CLP

Smart Laser cinema projector for screens between 16-19m (52-62ft)



Barco's range of laser phosphor digital cinema projectors includes both new and retrofit solutions. The DP2K-20CLP offers a future-proof and cost-effective way to upgrade your technology while providing superior image quality. Freeing you from all lamp-related hassles and costs, the projectors allow for considerable cost-savings and greater ease of mind through simplified operations.

Considerable cost-savings

Eliminating all lamp-related costs over your projector's lifetime, the DP2K-20CLP provides a very attractive TCO. Thanks to its unique cooling system, the projector boasts a 30,000-hour constant brightness at typical usage conditions. And its optical efficiency is also significantly higher – resulting in savings of up to 50% on your electricity bill.

Simple operation

The DP2K-20CLP cuts operating expenses and reduces operational complexity. Thanks to its laser phosphor light source, the projector increases your uptime and frees you from all lamp-related costs, administration, and maintenance.

Superior image quality

The DP2K-20CLP offers consistent DCI-compliant image quality with outstanding uniformity and higher contrast. Compatible with most 3D systems, it improves image quality on white and silver screens.

Retrofit ready

If you already own a Barco DP2K-20C projector you can now replace your current lamp house with the unique laser phosphor retrofit module through an easy on-site upgrade.

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Visibly yours

Product specifications**DP2K-20CLP**

Resolution	2,048 x 1,080
Brightness	20,000 lumens (typical)
Native contrast ratio	Up to 2,400:1
Prime lenses	1.2-1.8; 1.4-2.05; 1.6-2.5; 1.95-3.2; 2.4-3.9
Long-term brightness stability	30,000 hrs @ average usage conditions
Dimensions (WxLxH)	Projector: 694 x 1,034 x 558 mm / 27.3 x 40.7 x 22 inches Cooler: 561.5 x 738.5 x 348 mm / 22.11 x 29.07 x 13.7 inches
Weight	Projector: 110kg (243 lb) Cooler: 32kg (70.6 lb)
Cooling liquid hose length	0.5m (1.6ft) and 5m (16.4ft)
Vertical separation between cooler and projector	Maximum 3m (10ft) (higher or lower)
Power requirements	Projector: single phase 200-240V 16A 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) @ full laser power: 2.85 kW Projector (incl. cooler) @ half laser power: 1.7 kW
Noise Level	dB(A) @ 1 m: 67.6 dB(A) 62 dB(A) (half fan speed)
Media server	Barco Alchemy ICMP and other IMB brands supported.
3D systems	Active glasses systems and polarization systems on silver screens are supported. Color separation systems (Dolby3D and 6P) are not supported.
Safety requirements	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">▪ 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.
Exhaust airflow	450 CFM