

# DP2K-20CLP

Laser phosphor 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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## Product specifications

## DP2K-20CLP

<b>Resolution</b>	2,048 x 1,080
<b>Brightness</b>	20,000 lumens (typical)
<b>Native contrast ratio</b>	Up to 2,400:1
<b>Prime lenses</b>	1.2-1.8; 1.4-2.05; 1.6-2.5; 1.95-3.2; 2.4-3.9
<b>Long-term brightness stability</b>	50% decrease during a runtime of 30,000 hrs @ 25°C at average use conditions
<b>Dimensions (WxLxH)</b>	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
<b>Weight</b>	Projector: 110kg (243 lb) Cooler: 32kg (70.6 lb)
<b>Cooling liquid hose length</b>	0.5m (1.6ft) and 5m (16.4ft)
<b>Vertical separation between cooler and projector</b>	Maximum 3m (10ft) (higher or lower)
<b>Power requirements</b>	Projector: single phase 200-240V 16A Cooler: obtains power from the projector
<b>Ambient temperature</b>	35°C (95°F) Max. (projector and cooler)
<b>Ambient humidity</b>	85% Max. (projector and cooler)
<b>Power consumption</b>	Projector (incl. cooler) @ full laser power: 2.85 kW Projector (incl. cooler) @ half laser power: 1.7 kW
<b>Noise Level</b>	dB(A) @ 1 m: 67.6 dB(A) 62 dB(A) (half fan speed)
<b>Media server</b>	Barco Alchemy ICMP and other IMB brands supported.
<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>	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>