SP4K-13CHC

13,000 lumens high contrast laser cinema projector



- **Brilliant image**
- **Ready for tomorrow, today**
- **Barco EcoPure**
- **Fit and forget**

SP4K-13CHC is part of the Series 4 portfolio, designed in close collaboration with industry partners. Market trends in content creation, exhibition and technology were taken into account. The result? A custom-designed cinema projector with enhanced contrast for the ultimate image quality. The SP4K models come in many different configurations offering you the freedom of choice. Play with the available options to match your specific needs.

Brilliant image

The Series 4 brings native 4K resolution, higher contrast and enhanced uniformity into the movie theater. The SP4K-13CHC adds a 6000:1 extra high contrast for premium auditoriums. The Barco Active Image Management™ and its patented precision brightness technology guarantees flawless images with automatic white balances.

Ready for tomorrow, today

The Barco Colorgenic™ technology opens up more than 98.5% of Rec. 2020. SP4K-13CHC is fully enabled for future innovations like 4K HFR. Deliver stunning results not only on day 1, but consistently throughout the lifetime of the product.

Barco EcoPure^{TM}

This silent running projector (50dB(A)) is fully ready for boothless operation. In eco-mode it consumes even less than 3 Watt. What's more, remote wake up on LAN is possible for scheduled maintenance or ingest.

Fit and forget

The modular design of the Series 4 projectors allows for cost-effective maintenance. There are only six Barco laser plate™ spare parts to service all light source configurations. Anyone can replace the filters thanks to the toolless cover and filter handling. The SP4K-13CHC seamlessly integrates into your current setup.

Product specifications	SP4K-13CHC
General Specifications	
Native brightness	13,000 lumens (typical)
Native contrast ratio	6500:1 (typical)
Digital MicroMirror Device™	3x 0.98" DC4K
Resolution	native 4K: 4096 x 2160
Color gamut	DCI P3 compliant (98.5% of Rec.2020; when measured in xy-color coordinates)
Light source	Laser
Prime lenses	With C-lensholder: 1.09 -1.40; 1.28 -1.74 With B-lensholder: 1.6 -2.4; 1.9 -2.6; 2.0 -2.95; 2.3 -3.65; 2.8 -4.7 Very High-Contrast TLD+ and B-lenses
Long-term brightness stability	+50,000 hrs @ average usage conditions
Housing	integrated cooling design and patented sealed optical assembly
Dimensions (WxLxH)	Projector incl feet: 710 x 1070 x 547 mm/ 27,95 x 42,13 x 21,54 inches (710 x 1132x 547 mm/ 27,95 x 44.55x 21,54 inches with B-lensholder)
Weight	105kg/231.5lbs
Power requirements	single phase or triple phase 200-240V 16A
Heat load	7750 BTU/h @ max power @ 40°C
Exhaust airflow	400CFM
Ambient temperature	40°C/104F Max.
Ambient humidity	85% RH max
Altitude	4000m -13.125ft Max.
Media server	Fully Integrated Barco mFusion ICMP-XS with SSD Storage Up To 16TB eff. Other media server brands** supported.
Power consumption	2.2kW (3W in Eco mode)
Noise Level	50dB(A) @1m, max power and 25°C ambient temperature
3D systems	Active glasses systems and polarization systems on silver screens are supported. Color separation systems are not supported.
Laser classification	Laser Class 1 -Risk Group 3
User interface	Integrated Touch Display and/or Web-based Communicator Web Analyzer for service
Notes	**projector configuration with ICP-D; contact Barco service for the list of supported brands

Last updated: 30 Oct 2026

© 2026 Barco nv. All rights reserved. Reproduction in whole or in part without written permission is prohibited. All brand names and product names are trademarks, registered trademarks or tradenames of their respective holders. Due to continued innovation, information and technical specifications are subject to change without prior notice. Please check www.barco.com for the latest specifications.