

# SP4K-55B

52,000 lumens smart cinema projector



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

SP4K-55B 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 market leading 4K RGB projector family, designed for cinema. The SP4K models come in many different configurations offering you the freedom of choice. A range of lumens, compatibility with both Barco lenses and selected 3rd party lenses. 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 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 the full P3 color space and more than 98.5% of Rec. 2020. SP4K-55B is fully enabled for future innovations like 4K HFR and IAB audio. Deliver stunning results not only on day 1, but consistently throughout the lifetime of the product.

## Barco EcoPure

This silent running projector (51dB(A)) is fully ready for boothless operation. In addition, the SP4K-55B smartly manages its power consumption resulting in a high projector efficiency of 13.3 lm/W. 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-55B seamlessly integrates into your current setup.

**Product specifications****SP4K-55B****General specifications**

Native brightness	52,000 lumens (typical)
Native contrast ratio	2000:1 (typical) up to 2800:1 with HC lens
Digital MicroMirror Device™	3x 1.38" 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	0.8; 1.01; 1.13-1.72; 1.35-1.86; 1.46-2.10; 1.65-2.60; 2.00-3.35; 2.53-4.98 High-brightness and high-contrast B-lenses compatible
Long-term brightness stability	+50,000 hrs @ average usage conditions
Housing	integrated and external cooling design and patented sealed optical assembly
Dimensions (WxLxH)	projector incl. feet  760 x 1470 x 612 mm  29,92 x 57,54 x 24,09 inches  external cooler:  546 x 462 x 589 mm  21,50 x 18,19 x 23,19 inches
Weight	projector incl. feet: 175kg/385lbs  external cooler incl. feet: 31kg/68lbs
Power requirements	Single phase or triple phase 200-240V 25A  Cooler: obtains power from the projector
Heat load	14,500 BTU/hr @ max power @ 40°C
Exhaust airflow	Projector: 615CFM  External cooler: 450CFM
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	3.9kW (3W in Eco mode)
Noise Level	Projector: 51dB(A)  External cooler: details TBC  @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	Cooling liquid hose and cable length: 2.5m or 5m (8.2ft or 16.4ft)  Vertical separation between cooler and projector: Maximum 3m (10ft)  ** projector configuration with ICP-D; contact Barco service for the list of supported brands

**Last updated: 30 Apr 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](http://www.barco.com) for the latest specifications.