

# 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: 02 Mar 2026**

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