

SP4K-55B

52,000 lumens smart cinema projector



- **Brilliant image**
- **Ready for tomorrow, today**
- **Barco EcoPureTM**
- **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 ManagementTM and its patented precision brightness technology guarantees flawless images with automatic white balances.

Ready for tomorrow, today

The Barco ColorgenicTM 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 EcoPureTM

This silent running projector (51dB(A)) is fully ready for boothless operation. In addition, the SP4K-40B 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 plateTM 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) |
| Digital MicroMirror Device™ | 3x 1.38" DC4K |
| Resolution | native 4K: 4096 x 2160 |
| Color gamut | DCI P3 compliant (100% 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: /p> 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 Alchemy ICMP-X with SSD Storage Up To 8TB 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 |

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