

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 next-generation laser projection family for all cinema screens. The SP4K models come in many different configurations offering you the freedom of choice. A wide range of brightness options, compatibility with both Barco lenses and selected 3rd party lenses, as well as a touch display and live streaming option. Play with the available options to match your specific needs.

Brilliant image

The SP4K models of the Series 4 family brings native 4K resolution, higher contrast and enhanced uniformity into the movie theater. The Barco Active Image ManagementTM includes patented technology to guarantee sharp, consistent image quality over time.

Ready for tomorrow, today

With the SP4K models and their RGB laser lightsource, the Barco ColorgenicTM technology opens up more than 98.5% of Rec. 2020. Moreover, all SP4K models are fully enabled for future innovations like 4K 120fps and compatibility with the latest immersive audio standard.

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 | 40,000 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 (max. power) | 14,500 BTU/hr |
| Exhaust airflow | Projector: 615CFM External cooler: 450CFM |
| Ambient temperature | 40°C / 104F max. |
| Ambient humidity | 85% RH max. |
| Media server | Barco Alchemy ICP-X and other media server brands ** supported |
| Power consumption | 4.2kW (3W in Eco mode) |
| Noise Level | Projector: 51dB(A) External cooler: details TBC @1m and 25°C ambient temperature |
| 3D systems | Active glasses systems and polarization systems on silver screens are supported. Color separation systems are not supported. |
| Safety requirements | Class 1 risk group 3 |
| User interface | Touch Display and/or web based |
| 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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