

SP4K-20

20,000 lumens smart cinema projector



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

SP4K-20 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 Management™ includes patented technology to guarantee sharp, consistent image quality over time.

Ready for tomorrow, today

With the SP4K models and their RGB laser light source, the Barco Colorgenic™ 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.

Barco EcoPure™

This silent running projector (50dB(A)) is fully ready for boothless operation. In addition, the SP4K-20 smartly manages its power consumption reaching projector efficiency levels up to 9.5 lumens per Watt. 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-20 seamlessly integrates into your current setup.

PRODUCT SPECIFICATIONS**SP4K-20**

| | |
|-------------------------------------|---|
| Native brightness | 20,000 lumens (typical) |
| Native contrast ratio | 2300:1 (typical) |
| Digital MicroMirror Device™ | 3x 0.98" DC4K TRP |
| Resolution | native 4K: 4096 x 2160 |
| Color gamut | DCI P3 compliant (98.5% of Rec.2020) |
| Light source | Laser |
| Prime lenses | With C-lensholder: 0.8 -1.16; 1.09 -1.40; 1.2 -1.8; 1.4 -2.05; 1.6 -2.5 ; 1.95 -3.2; 2.4 -3.9 With B-lensholder: 1.01; 1.27; 1.6 – 2.4; 1.9 – 2.6; 2.0 – 2.95; 2.3 – 3.65; 2.8 – 4.7; 3.55 – 6.95 High-brightness and High-contrast B-lenses compatible |
| Long-term brightness stability | 40,000 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 (max. power) | 6800BTU/h |
| Exhaust airflow | 400CFM |
| Ambient temperature | 40°C/104F Max. |
| Ambient humidity | 85% RH max |
| Power consumption | 2.1kW (3W in Eco mode) |
| Media server | Barco Alchemy ICOMP-X and other media server brands** supported. |
| Noise Level | 50dB(A) @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 |
| Lateral lens color on edge of image | With 2K lens: 2 pixels average* With 4K lens: 1.5 pixels average* (* depends on lens, zoom, ...) |
| Notes | **projector configuration with ICP-D; contact Barco service for the list of supported brands |

Last updated: 31 Jan 2022

Technical specifications are subject to change without prior notice. Please check www.barco.com for the latest information.