SP4K-12C

12,500 lumens smart cinema projector



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

SP4K-12C 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.

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-12C 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^{TM}

This silent running projector (50dB(A)) is fully ready for boothless operation. In addition, the SP4K-12C smartly manages its power consumption of only 9.3 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-12C seamlessly integrates into your current setup.

Freedom of choice

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.

Barco Eco-label

This product has been awarded with the Barco Eco-label, reflecting its commitment to sustainability and environmental responsibility.

Product specifications	SP4K-12C
General Specifications	
Native brightness	12,500 lumens (typical)
Native contrast ratio	2700:1 (typical) up to 3500:1 with HC lens
Digital MicroMirror Device™	3x 0.98" 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	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	+50,000 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	90kg / 198.5lbs
Power requirements	single phase or triple phase 200-240V 16A
Heat load	4600 BTU/h @ max power @ 40°C
Exhaust airflow	300 CFM
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	1.35kW (3W in Eco mode)
Noise Level	50dB(A) @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	**projector configuration with ICP-D; contact Barco service for the list of supported brands

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