

SP4K-12C

12,000 lumens smart cinema projector



12K
LUMENS

4K
4096X2160



- 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 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 120fps and HDR images. Deliver stunning results not only on day 1, but consistently throughout the lifetime of the product.

Barco EcoPure™

This silent running projector (50dB(A)) is fully ready for boothless operation. In addition, the SP4K-12C smartly manages its power consumption of only 8 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, and optional touch displays. Play with the available options to match your specific needs.

Product specifications**SP4K-12C**

| General specifications | |
|-------------------------------------|---|
| Native brightness | 12,000 lumens (typical) |
| Native contrast ratio | 2300:1 (typical) up to 3000:1 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 | 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 | 90kg / 198.5lbs |
| Power requirements | single phase or triple phase 200-240V 16A |
| Heat load (max. power) | 4600 BTU/h |
| Exhaust airflow | 300 CFM |
| Ambient temperature | 40°C/104F Max. |
| Ambient humidity | 85% RH max |
| Media server | Barco Alchemy ICMP-X and other media server brands** supported. |
| Power consumption | 1.4kW (3W in Eco mode) |
| 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 |

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