

# SP4K-35B

36,000 lumens smart cinema projector



- **Brilliant image**
- **Ready for tomorrow, today**
- **Barco EcoPure<sup>TM</sup>**
- **Fit and forget**

SP4K-35B 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 Management<sup>TM</sup> and its patented precision brightness technology guarantees flawless images with automatic white balances.

## Ready for tomorrow, today

The Barco Colorgenic<sup>TM</sup> technology opens up the full P3 color space and more than 98.5% of Rec. 2020. SP4K-35B is fully enabled for future innovations like 4K HFR and IAB. Deliver stunning results not only on day 1, but consistently throughout the lifetime of the product.

## Barco EcoPure<sup>TM</sup>

This silent running projector (51dB(A)) is fully ready for boothless operation. In addition, the SP4K-35B smartly manages its power consumption resulting in a high projector efficiency of 12 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<sup>TM</sup> spare parts to service all light source configurations. Anyone can replace the filters thanks to the toolless cover and filter handling. The SP4K-35B seamlessly integrates into your current setup.

**Product specifications****SP4K-35B****General Specifications**

|                                |                                                                                                                               |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Native brightness              | 36,000 lumens (typical)                                                                                                       |
| Native contrast ratio          | 2000:1 (typical) up to 2800:1 with HC lens                                                                                    |
| Digital MicroMirror Device™    | 3x 1.38" DC4K                                                                                                                 |
| Resolution                     | native 4K: 4096 x 2160                                                                                                        |
| Color gamut                    | DCI P3 (98.5% of Rec. 2020; when measured in xy-color coordinates)                                                            |
| Light source                   | Laser                                                                                                                         |
| Prime lenses                   | 1.13-1.72; 1.35-1.86; 1.46-2.10; 1.65-2.60; 2.00-3.35; 2.53-4.98<br><br>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<br><br>760 x 1470 x 612 mm<br><br>29,92 x 57,54 x 24,09 inches                                           |
| Weight                         | 163kg/359lbs                                                                                                                  |
| Power requirements             | single phase or triple phase 200-240V 20A                                                                                     |
| Heat load                      | 10,000 BTU/hr @ max power @ 40°C                                                                                              |
| Exhaust airflow                | 615CFM                                                                                                                        |
| 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              | 3.0kW (3W in Eco mode)                                                                                                        |
| Noise Level                    | 51dB(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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