Loki CinemaScope
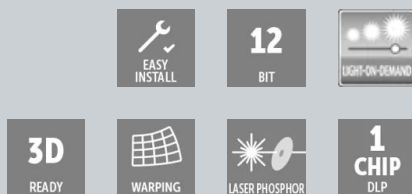
Offering the same UHD enhancements as the Loki projector, coupled with a high-capacity 2.37:1 aspect DLP engine.

EASY INSTALL

12 BIT

LIGHT-ON-DEMAND

3D READY

WARPING

LASER PHOSPHOR

1 CHIP DLP

- **Theater & Media Room Series**

- **5K UHD Resolution (5,120 x 2, 160)**

- **Laser Phosphor**

- **Up to 7,800 ANSI Lumens**

Loki CinemaScope's exceptional design allows a cinemascope film to be shown without requiring an anamorphic lens. The projector also provides Barco's renowned single-step processing (SSPTM) and low latency scaling technologies.

Professional grade optics
By basing Loki CinemaScope on a proven optical architecture, custom designed aspherical glass elements and enhanced low dispersion glass lenses, image quality is in a class of its own. Contrast is not only increased, but the details within the darkest parts of the image are more visible.

CinemaScope
Our unique aspect ratio detection system, automatically crops and scales content to fit the appropriate screen area, ranging from 1.78:1 to 2.39:1.

Manual cropping is also available for custom configurations such as cinemascope subtitle support, where only the top black bar is removed from none 1.78:1 content, preserving the subtitles at the foot of the image.

Laser light source
Outstandingimage quality requires an exceptional light source, which is why LokiCinemascope uses our brand-new dual laserengine.

Alongsidesignificantly improved image uniformity, lasers last longer than traditionalprojector lamps, offer great image quality consistence over their lifetime, areless fragile and offer near instant on/off performance.

Liquid cooling
Loki Cinemascope hasdeparted from a pure fan based cooling system, opting instead for a liquidcooling PID regulation system. Thiscombined with our simulation grade warp engine allows Balder to operate at any angle(free rotation), offering new possibilities when it comes to architecturalintegration.

BARCO

Product specifications	LOKI CINEMASCOPE
General specifications	
Projector type	Single chip DLP
Light source lifetime	20,000 - 60,000 hours Laser intensity dependent
CLO (constant light output)	Yes
Optical dowser	Yes
Technology	0.9" DMD™
Integrated web server	Yes
Resolution	5,120 x 2,160 (5K UHD)
Diagnostics	via Prospector web interface
Aspect ratio	2.37:1 (CinemaScope)
Light source	Laser phosphor
Light output	DCI (P3) Color Wheel: Up to 5,100 ANSI lumens T Color Wheel: Up to 6,500 ANSI lumens M Color Wheel: Up to 7,800 ANSI lumens
Contrast ratio	1,800:1 Sequential 450:1 ANSI
Brightness uniformity	>90%
Input resolutions	From VGA up to 4K UHD (3,840 x 2,160) @ 60Hz or up to 2,560 x 1,600 @ 120Hz
Lens range	(R9802232) -EN68 (0.30:1) -Periscope Lens (requires vertical installation) (R9801832) -FLDX UST (0.41:1) -90°ns (R9802244) -EN67 (0.65:1) (R9802243) -EN66 (0.80 - 1.21:1) (R9802003) -EN76 (0.95 - 1.30:1) (R9802242) -EN63 (1.20 - 1.70:1) * (R9802241) -EN61 (1.70 - 2.50:1) * (R9801211) -EN44 (2.50 - 4.60:1) * Standard Lens Option(s)
Latency	TBD
Optical lens shift	Up to 122% vertical lens shift & up to 40% horizontal lens shift (depending on lens selection) Visit the Barco Residential Lens Calculator for further information Download Lens & Airflow Data Here
Color correction	P7 RealColor™
Standby power	Standby ECO Mode: 110v -0.78W (with LAN Connection) 230v -0.87W (with LAN Connection)
Color gamut	DCI (P3) Color Wheel: DCI P3 T Color Wheel: REC.709 M Color Wheel: REC.709
Image processing	Embedded Warp & Blend Engine
WARP	4-Corner Warp & Bow Correction via Warp Engine
Orientation	360° Rotation
Network connection	10/100 Ethernet via RJ45 connection
Operational humidity	20 to 80% (relative humidity)
HDR	HDR10
3D	Active Stereoscopic 3D Additional hardware required please contact an authorized Barco representative for details
Inputs	1 x HDMI 2.0 (HDCP 2.2) 1 x HDBaseT (HDCP 1.4 -9Gbps only) 2 x Dual Link DVI-D 2 x Display Port (1.2) 12G-SDI 1 x RJ45 Ethernet 1 x RS232 1 x Remote Control (RC) 3 x USB (2 x Rear, 1 x Front) DMX (1 x Input, 1 x Output)
Shipping Dimensions	Excluding Lens 720 x 910 x 630 mm 28.4 x 35.8 x 24.8 in.
Control	IR, RS232, IP, 12v Trigger Driver modules available for: Crestron, Control4, RTI & Savant NOTE: 12v Trigger(s) do not follow standard functionality and require an IP command to enable / disable them. Download our integration guide for more information.

Product specifications   LOKI CINEMASCOPE

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Storage temperature	-20 to 60 °C
Shipping weight	Excluding Lens 55kg / 121.3 lbs
Storage humidity	10 to 90% (relative humidity)
Power requirements	100 -240V / 50 -60Hz US Requires: 20A Service (NEMA 5-20P Plug Type
Standard accessories	Power Cord, Remote Control
Certifications	CE, FCC Class A and cCSAus
Power consumption	2180 W -Maximum
Noise level (typical at 25°C/77°F)	38 dB(A)
24/7 operation	This projector is designed and warranted for heavy duty 24/7 operation. Specific measures and design considerations have been made in order for it to comply with stringent requirements in challenging applications.
Operating temperature	10 to 45 °C at Sea Level Optimal Set Point: 20 °C
*	Firmware upgradable Please contact an authorized Barco representative for details
BTU per hour	Max. 6,000 BTU/h
Airflow requirements	Air Inlet (from Rear w/Feet Down): Right Side Exhaust (from Rear w/Feet Down): Rear Clearance Requirements: Front: 1cm Left: 1cm Right: 50cm Rear: 100cm Top: 1cm
Exhaust airflow	193 ft^3/min @ 25 °C 327 m^3/hour @ 25 °C Download Lens & Airflow Data Here
Dimensions (WxLxH)	Excluding Lens 577 x 738 x 304 mm 22.7 x 29.1 x 12 in.
Weight	Excluding Lens 44.5 kg / 98.1 lbs
Warranty	Limited 3 years parts and labor Extendable up to 5 years
Safety requirements	This projector is Risk Group 2 (RG2) according to IEC EN 62471-5. This projector may become Risk Group 3 (RG3) when an interchangeable lens with throw ratio greater than 3.15 is installed. For Northern America, installation requirements according to Risk group 3 (RG3) must be followed when interchangeable lens with throw ratio greater than 2.33 is installed. Refer to the installation manual for further information.

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