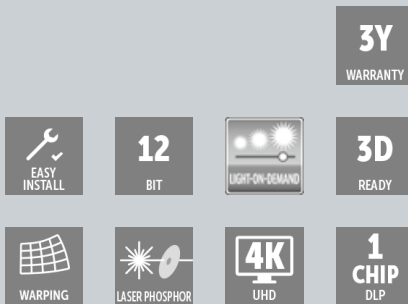


# Loki

Unmistakably Barco Residential - precision engineering and manufacturing at its finest.



- Theater & Media Room Series
- 4K UHD Resolution (3,840 x 2,160)
- Laser Phosphor
- Up to 12,000 ANSI Lumens

Loki's alluring image quality is unmistakable, right from the very first encounter. Striking and assertive, his soul is a dual laser light engine coupled to award-winning DLP technology and world-class optics.

### Professional grade optics

By basing Loki's optical engine on our proven Optix 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 detail within the darkest parts of the image are more visible.

### State of the art electronics

All new "Platinum" electronics have been designed to process 4K with HDMI 2.0a and HDCP 2.2, while the optical engine utilises the very latest 0.9" DMD DLP chipset, delivering 3,840 x 2,160 pixels on screen.

Loki also features HDR, motorised lenses and a function to swap between 16:9 and cinemascope. Featuring Barco's unique RealColor processing, Loki enables simple and accurate calibration to any desired white point or greyscale.

### Laser light source

Outstanding image quality also requires an exceptional light source, which is why the Loki is packed with a brand new laser engine. Alongside significantly improved image uniformity, lasers last longer than traditional projector lamps, are less fragile and offer a near instant on/off light source. Light output is up to 12,000 ANSI lumens.

### Liquid cooling

Loki has departed from a pure fan based cooling system to a liquid cooling PID regulation system, allowing Loki to operate in any angle.

PRODUCT SPECIFICATIONS	LOKI
Projector type	Single chip DLP
Technology	0.9" DMD™
Resolution	3,840 x 2,160 (4K UHD)
Aspect ratio	1.78:1 (16:9)
Light source	Laser phosphor
Light source lifetime	20,000 - 60,000 hours (depending on brightness mode)
Light output	DCI (P3) Color Wheel: Up to 5,700 ANSI lumens T Color Wheel: Up to 8,500 ANSI lumens M Color Wheel: Up to 12,000 ANSI lumens
CLO (constant light output)	Yes
Contrast ratio	1,800:1 Sequential 450:1 ANSI
Brightness uniformity	90%
Lens range	EN68 (0.30:1) EN47 (0.65:1) EN66 (0.80 - 1.21:1) EN63 (1.20 - 1.70:1) EN61 (1.70 - 2.50:1) EN44 (2.50 - 4.60:1)
Optical lens shift	Up to 88% vertical lens shift & up to 38% horizontal lens shift (depending on lens selection) Motorized zoom, focus, iris, shutter and lens shift (depending on lens selection)  Visit the Barco Residential Lens Calculator for further information <a href="#">Download Lens &amp; Airflow Data Here</a>
Optical dowser	Yes
Color correction	P7 RealColor™
Color gamut	DCI (P3) Color Wheel: DCI P3 T Color Wheel: REC.709 M Color Wheel: REC.709
Image processing	Embedded warp, bow correction & blend engine
WARP	Four corner warp
Orientation	360° rotation, no restrictions
Network connection	10/100 Ethernet via RJ45 connection
Integrated web server	Yes
HDR	HDR10
3D	Active stereoscopic 3D* (requires firmware release 1.5 onwards) Additional hardware required please contact an authorized Barco representative for details
Inputs	1 x HDMI 2.0a (HDCP 2.2), 1 x HDBaseT (HDCP 1.4), 2 x dual link DVI-D, 2 x Display Port, HDSDI 1 x RJ45 Ethernet, RS232, 3 x USB, DMX in/out*
Input resolutions	VGA up to 4K UHD (3,840 x 2,160) @ 60Hz Up to 2,560 x 1,600 @ 120Hz
Latency	
Control	IR, RS232, TCP/IP, 3 x 12v Trigger* (requires firmware release 1.6 onwards) Driver modules available for: Crestron, Control4 and Savant
Power requirements	110 -240V / 50 -60Hz US Requires: 20A Service (NEMA 5-20P Plug Type)
Power consumption	1,600 W Max.
Noise level (typical at 25°C/77°F)	38 dB(A)

**PRODUCT SPECIFICATIONS****LOKI**

Operating temperature	10 to 45 °C (sea level)
Operational humidity	20 to 80% (relative humidity)
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 Distances (Front / Left / Right / Rear): 1cm / 1cm / 50cm / 100cm
Exhaust airflow	193 ft <sup>3</sup> /min @ 25 °C <a href="#">Download Lens &amp; Airflow Data Here</a>
Dimensions (WxLxH)	577 x 738 x 304 mm (including feet / excluding lens) 22.7 x 29.1 x 12 in. (including feet / excluding lens)
Weight	44.5 kg / 98.1 lbs (excluding lens)
Shipping dimensions (WxLxH)	720 x 910 x 630 mm (excluding lens - packaged separately) 28.4 x 35.8 x 24.8 in. (excluding lens - packaged separately)
Shipping weight	55 kg / 121.3 lbs (excluding lens - packaged separately)
Storage temperature	-20 to 60 °C
Storage humidity	10 to 90% (relative humidity)
Standard accessories	Power cord(s), wireless remote control
Certifications	CE, FCC Class A and cCSAus
Warranty	Limited 3 years parts and labor Extendable up to 5 years
*	Firmware upgradable Please contact an authorized Barco representative for details

Last updated: 29 Sep 2020

Technical specifications are subject to change without prior notice. Please check [www.barco.com](http://www.barco.com) for the latest information.