

# 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 a proven architecture, incorporating 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.

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#### State of the art electronics

Thanks to our unique single step processing technology (SSPTM), Pulse electronics are designed to process 4K UHD, HDMI 2.0a, HDCP 2.2 and HDR10 signals with extremely low latency.

Loki uses the very latest 0.9" DMD DLP chipset, to display flawless 4K UHD (3,840 x 2,160 px) images on screen.

#### Laser light source

Outstanding image quality requires an exceptional light source, which is why Loki uses our brand-new dual laser engine which delivers up to 12,000 ANSI lumens output.

Alongside significantly improved image uniformity, lasers last longer than traditional projector lamps, offer great image quality consistency over their lifetime, are less fragile and offer near instant on/off performance.

#### Liquid cooling

Loki has departed from a pure fan based cooling system, opting instead for a liquid cooling PID regulation system. This combined with our simulation grade warp engine allows Balder to operate at any angle (free rotation), offering new possibilities when it comes to architectural integration.

## Spécifications techniques

## LOKI

Spécifications générales	
Type de projecteur	Single chip DLP
Technologie	0.9" DMD™
Résolution	3,840 x 2,160 (4K UHD)
Rapport d'aspect	1.78:1 (16:9)
Source lumineuse	Laser phosphor
Durée de vie de la source lumineuse	20,000 - 60,000 hours Laser intensity dependent
Luminosité	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/sortie lumineuse constante)	Yes
Taux de contraste	1,800:1 Sequential 450:1 ANSI
Uniformité de la luminosité	>90%
Gamme de lentilles	(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)
Décalage de la lentille optique	Up to 88% vertical lens shift & up to 38% horizontal lens shift (depending on lens selection)  Visit the Barco Residential Lens Calculator for further information Download Lens & Airflow Data Here
Coupe-flux optique	Yes
Correction des couleurs	P7 RealColor™
Gamme de couleurs	DCI (P3) Color Wheel: DCI P3 T Color Wheel: REC.709 M Color Wheel: REC.709
Traitement des images	Embedded Warp & Blend Engine
WARP	4-Corner Warp & Bow Correction via Warp Engine
Orientation	360° Rotation
Connexion réseau	10/100 Ethernet via RJ45 connection
Serveur web intégré	Yes
Diagnostics	via Prospector web interface
HDR	HDR10
3D	Active Stereoscopic 3D Additional hardware required please contact an authorized Barco representative for details
Entrées	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)
Résolutions en entrée	From VGA up to 4K UHD (3,840 x 2,160) @ 60Hz or up to 2,560 x 1,600 @ 120Hz
Latence	TBD
Contrôle	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.
Alimentation électrique	100 -240V / 50 -60Hz US Requires: 20A Service (NEMA 5-20P Plug Type)
Consommation électrique	2180 W -Maximum
BTU par heure	Max. 6,000 BTU/h
Alimentation de secours	Standby ECO Mode: 110v -0.78W (with LAN Connection) 230v -0.87W (with LAN Connection)
Niveau sonore (habituel à 25 °C/77 °F)	38 dB(A)
Température de fonctionnement	10 to 45 °C at Sea Level Optimal Set Point: 20 °C
Humidité (fonctionnement)	20 to 80% (relative humidity)

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Configuration minimale en matière de circulation d'air	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
Flux d'air évacué	193 ft <sup>3</sup> /min @ 25 °C 327 m <sup>3</sup> /hour @ 25 °C <a href="#">Download Lens &amp; Airflow Data Here</a>
Dimensions (l x L x H)	Excluding Lens 577 x 738 x 304 mm 22.7 x 29.1 x 12 in.
Poids	Excluding Lens 44.5 kg / 98.1 lbs
Dimensions à l'expédition (l x L x H)	Excluding Lens 720 x 910 x 630 mm 28.4 x 35.8 x 24.8 in.
Poids à l'expédition	Excluding Lens 55 kg / 121.3 lbs
Accessoires standard	Power Cord, Remote Control
Certifications	CE, FCC Class A and cCSAus
Exigences en termes de sécurité	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.
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.
Garantie	Limited 3 years parts and labor Extendable up to 5 years
*	Firmware upgradable Please contact an authorized Barco representative for details

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Les spécifications techniques sont susceptibles d'être modifiées sans préavis. Veuillez consulter les dernières informations disponibles sur [www.barco.com](http://www.barco.com).