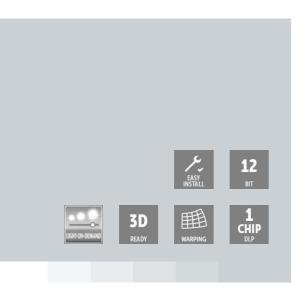# Bragi

Using Barco's renowned Pulse electronic and software platform, Bragi is powered by a revolutionary, new, high lumens density (HLD) RGB LED light engine.

EASY INSTALL

12 BIT

LIGHT-ON-DEMAND

3D READY

WARPING

1 CHIP DLP

- **Theater Series**

- **4K UHD Resolution (3, 840 x 2,160)**

- **Solid State RGB LED**

- **Up to 2,600 ANSI Lumens**

Bragi takes its name from an historical ninth-century poet. His poems were so outstandingly artful and moving that subsequent generations imagined that, upon his death, Odin had appointed him the court poet of Valhalla.

Bragi, being Balder's brother and inherits the same design philosophy, optical core and lenses.

State of the art electronics

Our Pulse electronics are built on a superior FPGA platform featuring a dual core processor on the industry's only 20 nm SoChave, with 96 transceiver lanes delivering 3.3Tbps of serial bandwidth.

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

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

LED Engine

Bragi uses a new optical engine, incorporating the best elements from previous models and combining them with new technologies, creating an even better optical engine.

Bragi's optical engine is not the only part that is redesigned, the light source is brand new, and this time it's not laser. The light source uses the very latest high lumens density (HLD), LED illumination technology.

BARCO

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HLD LED is unique in that it works around the 'law of etendue' (a property of light in an optical system, which characterizes how "spread out" the light is in area and angle...) to deliver a superb color experience and incredible brightness while enabling new levels of resolution.

RealColor

Combining HLD LED illumination with regular LED colors which appear more saturated, the human eye is tricked to interpret this as richer, brighter colors than they are physically measured. Bragi also includes a motorized DCI/P3 filter for improved HDR color accuracy.

Additionally, Barco's RealColor processing enables simple and accurate calibration to your desired color gamut or white point.

Especificações técnicas	BRAGI
Especificações gerais	
Tipo de projetor	Single chip DLP
Tecnologia	0.9" DMD™
Resolução	3,840 x 2,160 (4K UHD)
Relação de aspecto	1.78:1
Fonte de luz	Solid State RGB LED
Vida útil da fonte de luz	Up to 50,000 hours * Brightness mode dependent
Saída de luz	Up to 2,600 ANSI Lumens
CLO (saída de luz constante)	Yes
Razão de contraste	1,800:1 Sequential 450:1 ANSI
Uniformidade de brilho	>90%
Faixa de alcance da lente	(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)
Deslocamento ótico de lente	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
Obturador ótico	Yes
Correção de cores	P7 RealColor™
Gama de cores	REC.709 DCI (P3) via internal filter
Processamento de imagens	Embedded Warp & Blend Engine
WARP	4-Corner Warp & Bow Correction via Warp Engine
Orientação	360° Rotation
Conexão de rede	10/100 Ethernet via RJ45 connection
Servidor da Web integrado	Yes
Diagnóstico	via Prospector web interface
HDR	HDR10
3D	Active Stereoscopic 3D Additional hardware required please contact an authorized Barco representative for details
Entradas	1 x HDMI^{TM} 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)

Especificações técnicas	BRAGI
Resoluções de entrada	From VGA up to 4K UHD (3,840 x 2,160) @ 60Hz or up to 2,560 x 1,600 @ 120Hz
Latência	TBD
Controle	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.
Requisitos de energia	100 -240V / 50 -60Hz
Consumo de energia	570 W -Max
BTU por hora	1,945 BTU/h -Max
Nível de ruído (normal a 25 °C/77 °F)	30 -33 dB(A) Max.
Temperatura de operação	10 to 45 °C at Sea Level Optimal Set Point: 20 °C
Umidade de operação	20 to 80% (relative humidity)
Requisitos de fluxo de ar	Air Inlet (from Rear w/Feet Down): Right Side Exhaust (from Rear w/Feet Down): Rear Clearance Requirements: Front: 1cm Left: 1cm Right: 25cm Rear: 25cm Top: 1cm
Fluxo de ar de exaustão	58 ft^3/min @ 22.9 °C 99 m^3/hour @ 22.9 °C Download Lens & Airflow Data Here
Dimensões (LxPxA)	Excluding lens 450 x 482 x 255 mm 17.7 x 19 x 10 in.
Peso	Excluding lens 21.5 kg / 47.4 lbs
Dimensões da Remessa	Excluding lens 464 x 679 x 773 mm 18.27 x 26.7 x 30.4 in
Peso de expedição	TBC
Acessórios padrão	Power Cord, Remote Control
Certificações	CE, FCC Class A and cCSAus
Garantia	Limited 3 years parts and labor Extendable up to 5 years
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.
*	* Service required following 20,000 hours use Please contact an authorized Barco representative for details