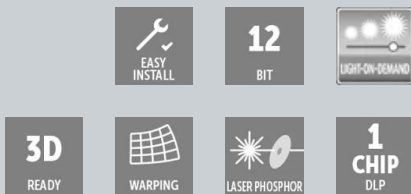# Balder CinemaScope

The cornerstone of home cinema systems designed to deliver outstanding experiences in the world's finest homes.

- **Theater & Media Room Series**

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

- **Laser Phosphor**

- **Up to 5,600 ANSI Lumens**

Balder incorporates our unique PULSE electronics platform, inhouse designed laser engine and the world's finest optical components, fusing them together with the imaging device technology chosen by 9 out of 10 professional cinemas: DLP.

Professional grade optics

By basing Balder Cinemascope's optical engine on its bigger brother Loki's Cinemascope's architecture, incorporating custom designed aspherical glass elements and enhanced low dispersion glass lenses, image quality is in a class of its own.Topping that, Balder's chassis and core are built from aluminium and magnesium, which offer exceptional robustness, resulting in the best picture quality ever shown at this level.

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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, HDMITM 2.0a, HDCP 2.2 and HDR10 signals with extremely low latency.

Balder CinemaScope uses the very latest 0.9" DMD DLP chipset, to display flawless 5K UHD (5,120 × 2,160 px), 2.37:1 aspect ratio images on screen.

BARCO

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.

Liquid cooling

Balder 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.

Especificações técnicas — BALDER CINEMASCOPE

Especificações gerais	
Tipo de projetor	Single chip DLP
Tecnologia	0.9" DMD™
Resolução	5,120 x 2,160 (5K UHD)
Relação de aspecto	2.37:1 (CinemaScope)
Fonte de luz	Laser phosphor
Vida útil da fonte de luz	20,000 - 60,000 hours Laser intensity dependent
Saída de luz	DCI (P3) Color Wheel: Up to 3,600 ANSI lumens T Color Wheel: Up to 4,000 ANSI lumens M Color Wheel: Up to 5,600 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 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
Obturador ótico	Yes
Correção de cores	P7 RealColor™
Gama de cores	DCI (P3) Color Wheel: DCI P3 T Color Wheel: REC.709 M Color Wheel: REC.709
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™ 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)
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	1,100 W -Max.
Alimentação de standby	Standby ECO Mode: 110v -0.73W (with LAN Connection) 230v -0.82W (with LAN Connection)
BTU por hora	4,000 BTU/h -Max.
Nível de ruído (normal a 25 °C/77 °F)	36 dB(A)
Temperatura de operação	10 to 45 °C at Sea Level Optimal Set Point: 20 °C
Umidade de operação	20 to 80% (relative humidity)

Especificações técnicas	BALDER CINEMASCOPE
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: 50cm Rear: 100cm Top: 1cm
Fluxo de ar de exaustão	112 ft^3/min @ 25 °C 190 m^3/hour @ 25 °C Download Lens & Airflow Data Here
Dimensões (LxPxA)	Excluding Lens 475 x 588 x 286 mm 18.7 x 23.1 x 11.3 in.
Peso	Excluding Lens 37 kg / 81.5 lbs
Dimensões da Remessa	Excluding Lens 730 x 600 x 480 mm 28.7 x 23.7 x 18.9 in.
Peso de expedição	Excluding Lens 43 kg / 94.8 lbs
Acessórios padrão	Power Cord, Remote Control
Certificações	CE, FCC Class A and cCSAus
Requisitos de segurança	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 6.0 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.
Garantia	Limited 3 years parts and labor Extendable up to 5 years
*	Firmware upgradable Please contact an authorized Barco representative for details

Gerada em: 27 Mar 2024

Especificações técnicas estão sujeitas a alterações sem aviso prévio. Consulte www.barco.com para as últimas informações.

ENABLING BRIGHT OUTCOMES

www.barco.com

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