

Balder

A divine force,
bringing beauty and life to the most refined home cinema and media rooms.



- **Theater & Media Room Series**
- **4K UHD Resolution (3,840 x 2,160)**
- **Laser Phosphor**
- **Up to 7,000 ANSI Lumens**

Manufactured to perfection in Belgium, Balder is built from the highest quality materials including aluminium, magnesium and glass. Balder not only shares the same Ultra HD and HDR compatible Pulse electronics as Loki, the optical design and single laser engine are also taken from the Loki platform.

Professional grade optics

By basing Balder's optical engine on its bigger brother Loki's architecture, which features 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.

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 SoC, with 96 transceiver lanes delivering 3.3 Tbps of serial bandwidth.

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.

This provides exceptional gaming and movie viewing experiences.

Laser light source

Outstanding image quality requires an exceptional light source, which is why Balder uses our brand-new laser engine which delivers up to 7,000 ANSI lumens output.

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

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.

技术规格**BALDER**

一般规格	
投影机类型	Single chip DLP
技术	0.9" DMD™
分辨率	3,840 x 2,160 (4K UHD)
宽高比	1.78:1 (16:9)
光源	Laser phosphor
光源使用期限	20,000 - 60,000 hours Laser intensity dependent
光输出	DCI (P3) Color Wheel: Up to 4,000 ANSI lumens T Color Wheel: Up to 5,000 ANSI lumens M Color Wheel: Up to 7,000 ANSI lumens
CLO (稳定光输出)	Yes
对比度	1,800:1 Sequential 450:1 ANSI
亮度均匀性	>90%
透镜范围	(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)
光学镜片移动	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
挡光板	Yes
色彩纠正	P7 RealColor™
色阶度	DCI (P3) Color Wheel: DCI P3 T Color Wheel: REC.709 M Color Wheel: REC.709
图像处理	Embedded Warp & Blend Engine
WARP	4-Corner Warp & Bow Correction via Warp Engine

技术规格**BALDER**

安装角度	360° Rotation
网络连接	10/100 Ethernet via RJ45 connection
集成网络服务器	Yes
诊断	via Prospector web interface
HDR	HDR10
3D	Active Stereoscopic 3D Additional hardware required please contact an authorized Barco representative for details
输入	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)
输入分辨率	From VGA up to 4K UHD (3,840 x 2,160) @ 60Hz or up to 2,560 x 1,600 @ 120Hz
延迟	TBD
控制	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.
电力要求	100 -240V / 50 -60Hz
功率消耗	1,100 W -Max.
每小时BTU	4,000 BTU/h -Max.
待机功耗	Standby ECO Mode: 110v -0.73W (with LAN Connection) 230v -0.82W (with LAN Connection)
噪音级别 (典型, 25°C/77°F时)	36 dB(A)
工作温度	10 to 45 °C at Sea Level Optimal Set Point: 20 °C
工作湿度	20 to 80% (relative humidity)

技术规格

BALDER

气流要求	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
排风量	112 ft ³ /min @ 25 °C 190 m ³ /hour @ 25 °C Download Lens & Airflow Data Here
尺寸(宽x长x高)	Excluding Lens 475 x 588 x 286 mm 18.7 x 23.1 x 11.3 in.
净重	Excluding Lens 37 kg / 81.5 lbs
装运尺寸	Excluding Lens 730 x 600 x 480 mm 28.7 x 23.7 x 18.9 in.
毛重	Excluding Lens 43 kg / 94.8 lbs
标准配件	Power Cord, Remote Control
认证	CE, FCC Class A and cCSAus
安全要求	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 4.7 is installed. For Northern America, installation requirements according to Risk group 3 (RG3) must be followed when interchangeable lens with throw ratio greater than 2.5 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.
保修期	Limited 3 years parts and labor Extendable up to 5 years
*	Firmware upgradable Please contact an authorized Barco representative for details

生成于: 27 Mar 2024

技术规格随时变化, 不会事先通知。请访问www.barco.com.cn, 获取更新信息。