

Balder

Theater & Media Room Series



courtesy of Genesis South Europe



A divine force, Barco Balder brings beauty and life to the most refined home cinema and media rooms. Manufactured to perfection in our European design centers, Belgium and Norway, Balder is forged from the finest components such as aluminium and glass. Balder not only shares the same Ultra HD and HDR 10 compatible electronics as his big brother Loki, the optical design and new single laser engine are also derived from the Loki platform.



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Key features

Professional-grade optics

By basing Balder's optical engine on its bigger brother Loki's architecture including custom designed aspherical glass elements and enhanced low dispersion glass lenses, image quality is in a class of its own. To top that, Balder is built in aluminium, 37kg of pure quality. The result is the best picture quality ever shown at this level.

State-of-the-art electronics

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

Balder also features HDR 10, motorised lenses and a function to swap between 16:9 and cinemascope. Featuring Barco's unique RealColour processing, Balder 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 we have packed Balder with a brand new laser engine. Alongside significantly improved image uniformity, lasers last longer than traditional projector lamps, are not as fragile and offer near instant on/off.

Liquid cooling

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

Technical specifications

Resolution	3,840 x 2,160 px @ 60Hz
Display technology	DLP - 0.9" Single Chip DMD™
Housing	Sealed DMDs and optical assembly
Input compatibility	up to 4K UHD
Light output	T-version: up to 5,000 lumens M-version: up to 7,000 lumens
Contrast	450 : 1 ANSI Contrast
Light engine	Laser phosphor
Laser life	100% 20,000 hours -> 50% Brightness 75% 60,000 hours -> 50% Brightness
Lenses	0.30 : 1 (EN68) 0.41 : 1 (UST 90 degree lens) 0.65 : 1 (EN67) 0.80 - 1.21 : 1 (EN66) 0.90 - 1.30 : 1 (EN76) 1.21 - 1.70 : 1 (EN63) 1.70 - 2.50 : 1 (EN61) 2.50 - 4.60 : 1 (EN44) 6.50 - 9.10 : 1 (EN69)
Lens shift range	Varies depending on lens, more than 70% with EN61 & EN63
Inputs	HDMI 2.0, HDBaseT (1.4), DVI, DisplayPort, SDI, DMX
Control	TCP/IP, RS232, IR, Keypad, 12v Trigger
Control drivers	Control4, Crestron, RTI and Savant
3D	active stereoscopic 3D Sync 3-pin DIN, BNC (SW upgrade Q4 2018)
Dimensions	475 x 588 x 286 mm / 18.7 x 23.1 x 11.3 in. (including feet / excluding lens)
Shipping dimensions	730 x 600 x 480 mm/ 28,7 x 23,7 x 18,9 in (43kg / 94.8 lbs)
Weight	37 kg / 81.5 lbs
Power requirements	110 - 240 V / 50-60 Hz
Power consumption	1,100 W Max
BTU per Hour	Max 4,000 BTU/h max
Noise level (typical at 25°C/77°F)	36 dB(A)
Operating temperature	10 - 45°C (sea level)
Operating humidity	20 - 80% RH
Installation	free rotation
Certifications	CE, FCC Class A and cCSAus
Warranty	Limited 3 years parts and labor, extendable up to 5 years

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