

# Balder

## Theater & Media Room Series



A divine force, Barco Balder brings beauty and life to the most refined home cinema and media rooms. Manufactured to perfection in Norway it features the finest components such as aluminium and glass. Balder not only shares the same Ultra HD and HDR-compatible electronics with our higher-end Loki models, the optical design and new single laser engine are also taken from the Loki platform.



# Balder



THEATER & MEDIA ROOM  
SERIES

## Key features

### Professional-grade optics

By basing Balder's optical engine on its bigger brother Loki's architecture, 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 is utilising 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 nearly instant on/off. Light output is up to 12,000 lumens.

### 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

<b>Resolution</b>	3,840 x 2,160 px @ 60Hz
<b>Display technology</b>	Single chip 4K XPR DMD™
<b>Housing</b>	Sealed DMDs and optical assembly
<b>Input compatibility</b>	up to 4K UHD
<b>Light output</b>	T-version: up to 5,000 lumens M-version: up to 7,000 lumens
<b>Contrast</b>	600 : 1 ANSI Contrast
<b>Light Engine</b>	Laser phosphor
<b>Laser Life</b>	100% 20.000 hours -> 50% Brightness 75% 60.000 hours -> 50% Brightness
<b>Lenses</b>	0.30 : 1 (EN58) 0.61 : 1 (EN47) 0.8 : 1 (EN 42) 0.75 - 1.13 : 1 (EN46) 1.2 - 1.7:1 (EN 43) 1.7 - 2.5 : 1 (EN41) 2.5 - 4.6 : 1 (EN 44)
<b>Lens shift range</b>	Varies depending on lens, up to 144% with EN41 & EN43
<b>Inputs</b>	2x DP, 2x dual link DVI, HDBaseT, HDMI 2.0
<b>Control</b>	RJ 45 Ethernet, DMX in/out, RS232 in, 2x USB, 12v out
<b>3D</b>	active stereoscopic 3D
<b>Dimensions</b>	475 x 593 x 286 mm / 18,7 x 23,3 x 11,2 in
<b>Shipping Dimensions</b>	TBD
<b>Weight</b>	37 kg / 81,5 lbs
<b>Power requirements</b>	110 - 240 V / 50-60 Hz
<b>Power consumption</b>	1,100 W Max
<b>BTU per Hour</b>	Max 4,000 BTU/h max
<b>Noise level (typical at 25°C/77°F)</b>	tbd
<b>Operating temperature</b>	10 - 40°C (sea level)
<b>Operating humidity</b>	20 - 80% RH
<b>Installation</b>	free rotation
<b>Certifications</b>	CE, FCC Class A and cCSAus

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