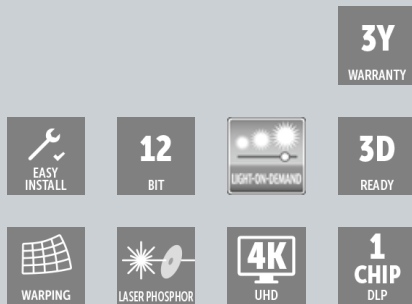


# Balder

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 features the finest components such as aluminum and glass. Balder not only shares the same Ultra HD and HDR compatible electronics with the higher-end Loki models, the optical design and new 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, 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 "Platinum" electronics have been designed to process 4K with HDMI 2.0a and HDCP 2.2, while the optical engine utilises the very latest 0.9" DMD DLP chipset, delivering 3,840 x 2,160 pixels on screen.

Balder also features HDR10, motorised lenses and a function to swap between 16:9 and cinemascope. Featuring Barco's unique RealColor 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 7,000 ANSI 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.

| PRODUCT SPECIFICATIONS             | BALDER  |
|------------------------------------|---|
| Projector type                     | Single chip DLP   |
| Technology                         | 0.9" DMD™   |
| Resolution                         | 3,840 x 2,160 (4K UHD)  |
| Aspect ratio                       | 1.78:1 (16:9)   |
| Light source                       | Laser phosphor  |
| Light source lifetime              | 20,000 - 60,000 hours (depending on brightness mode)  |
| Light output                       | DCI (P3) Color Wheel: Up to 4,000 ANSI lumens<br>T Color Wheel: Up to 5,000 ANSI lumens<br>M Color Wheel: Up to 7,000 ANSI lumens   |
| CLO (constant light output)        | Yes   |
| Contrast ratio                     | 1,800:1 Sequential<br>450:1 ANSI  |
| Brightness uniformity              | 90%   |
| Lens range                         | EN68 (0.30:1)<br>EN47 (0.65:1)<br>EN66 (0.80 - 1.21:1)<br>EN63 (1.20 - 1.70:1)<br>EN61 (1.70 - 2.50:1)<br>EN44 (2.50 - 4.60:1)  |
| Optical lens shift                 | Up to 88% vertical lens shift & up to 38% horizontal lens shift (depending on lens selection) Motorized zoom, focus, iris, shutter and lens shift (depending on lens selection)<br><br>Visit the Barco Residential Lens Calculator for further information<br><a href="#">Download Lens &amp; Airflow Data Here</a> |
| Optical dowser                     | Yes   |
| Color correction                   | P7 RealColor™   |
| Color gamut                        | DCI (P3) Color Wheel: DCI P3<br>T Color Wheel: REC.709<br>M Color Wheel: REC.709  |
| Image processing                   | Embedded warp, bow correction & blend engine  |
| WARP                               | Four corner warp  |
| Orientation                        | 360° rotation, no restrictions  |
| Network connection                 | 10/100 Ethernet via RJ45 connection   |
| Integrated web server              | Yes   |
| HDR                                | HDR10   |
| 3D                                 | Active stereoscopic 3D* (requires firmware release 1.5 onwards)<br>Additional hardware required please contact an authorized Barco representative for details   |
| Inputs                             | 1 x HDMI 2.0a (HDCP 2.2), 1 x HDBaseT (HDCP 1.4), 2 x dual link DVI-D, 2 x Display Port, HDSDI<br>1 x RJ45 Ethernet, RS232, 3 x USB, DMX in/out*  |
| Input resolutions                  | VGA up to 4K UHD (3,840 x 2,160) @ 60Hz<br>Up to 2,560 x 1,600 @ 120Hz  |
| Latency                            |   |
| Control                            | IR, RS232, TCP/IP, 3 x 12v Trigger* (requires firmware release 1.6 onwards)<br>Driver modules available for: Crestron, Control4 and Savant  |
| Power requirements                 | 100 -240V / 50 -60Hz  |
| Power consumption                  | 1,100 W Max.  |
| Noise level (typical at 25°C/77°F) | 36 dB(A)  |

**PRODUCT SPECIFICATIONS****BALDER**

|                       |   |
|-----------------------|---|
| Operating temperature | 10 to 45 °C (sea level)   |
| Operational humidity  | 20 to 80% (relative humidity)   |
| BTU per hour          | Max. 4,000 BTU/h  |
| Airflow requirements  | Air Inlet (from Rear w/Feet Down): Right Side<br>Exhaust (from Rear w/Feet Down): Rear<br>Clearance Distances (Front / Left / Right / Rear): 1cm / 1cm / 50cm / 100cm |
| Exhaust airflow       | 112 ft <sup>3</sup> /min @ 25 °C<br><br><a href="#">Download Lens &amp; Airflow Data Here</a>   |
| Dimensions (WxLxH)    | 475 x 588 x 286 mm (including feet / excluding lens)<br>18.7 x 23.1 x 11.3 in. (including feet / excluding lens)  |
| Weight                | 37 kg / 81.5 lbs (excluding lens)   |
| Shipping Dimensions   | 730 x 600 x 480 mm (excluding lens - packaged separately)<br>28.7 x 23.7 x 18.9 in. (excluding lens - packaged separately)  |
| Shipping weight       | 43 kg / 94.8 lbs (excluding lens - packaged separately)   |
| Storage temperature   | -20 to 60 °C  |
| Storage humidity      | 10 to 90% (relative humidity)   |
| Standard accessories  | Power cord(s), wireless remote control  |
| Certifications        | CE, FCC Class A and cCSAus  |
| Warranty              | Limited 3 years parts and labor<br>Extendable up to 5 years   |
| *                     | Firmware upgradable<br>Please contact an authorized Barco representative for details  |

Last updated: 22 Sep 2020

Technical specifications are subject to change without prior notice. Please check [www.barco.com](http://www.barco.com) for the latest information.