

# Heimdall

High brightness & wide color meets compact & quiet



- **Stunning Picture Quality**
- **RGB Laser Light Engine**
- **HDMI 2.1 Connectivity**
- **DynaBlack**
- **Next Generation Pulse Platform**
- **Flexible and versatile optics:**

Heimdall is the Norse god who illuminates the world. Our Heimdall guards the Bifrost, having a wide color gamut, capable of displaying vibrant and true-to-life colors, much like the full spectrum of a rainbow.

Heimdall is everything you ever wanted in a home cinema projector... A stunning native 4K picture with REC2020 color gamut. RGB laser with 4,500 lumens makes large screens shine. HDMI™ 2.1 provides the latest connectivity, perfect for gaming. Multiple lens options provide installation flexibility. And, Barco Residential can't wait to show you additional functionality coming with future firmware updates!

- Native 4K Resolution (4,096 x 2,176)
- 4,500 ANSI Lumens
- Solid state RGB Laser
- REC.2020 color gamut

## Product specifications

## HEIMDALL

### General specifications

|                                    |  |
|------------------------------------|--|
| Projector type                     | 4K 1-chip DLP RGB laser projector  |
| Light source lifetime              | 25,000 hours: 100% power/25°C/sea-level  |
| Installation                       | Free Rotation  |
| Technology                         | Single Chip 4K DMD, Solid State RGB Laser  |
| Resolution                         | Native 4K: 4,096 x 2,176 pixels  |
| Aspect ratio                       | 1.88:1   |
| Light source                       | Solid State RGB Laser  |
| Light output                       | 4,500 ANSI lumens  |
| Contrast ratio                     | Up to 20,000:1 (with DynaBlack)  |
| Input resolutions                  | Including and up to: 4,096 x 2,160 @ 120Hz RGB/YCbCr 4.4.4 12bit   |
| Lens range                         | Note: All throw ratios adjusted for 0.98" DLP device 0.53:1 (EN67)*<br><br>0.70-1.06:1 (EN66)*<br><br>0.83-1.14:1 (EN76)*<br><br>1.06-1.50:1 (EN63)*<br><br>1.10-1.61:1 (EN83)<br><br>1.48-2.18:1 (EN61)*<br><br>2.19-4.05:1 (EN64)*<br><br>* Requires York lens adaptor (R9802623) for FLDX/FLD+ lenses |
| Optical lens shift                 | Varies depending on lens   |
| Color correction                   | P7 RealColor™  |
| Color gamut                        | REC709, DCI-P3, 98% REC2020  |
| Image processing                   | Embedded warp & blend engine   |
| Network connection                 | 10/100/1000 Mbit   |
| Operational humidity               | 20 -80% RH   |
| HDR                                | HDR10, HLG   |
| 3D                                 | Active Stereoscopic 3D   |
| Inputs                             | HDMI 2.1 (HDCP 2.3)  |
| Control                            | IR, RJ45, Optional Cabled Remote   |
| Storage temperature                | -20 to 60 °C   |
| Shipping dimensions (WxLxH)        | 560 x 765 x 410 mm / 22.1 x 30.1 x 16.1 in. (excluding lens)   |
| Storage humidity                   | 10 -90% RH   |
| Power requirements                 | 7-3A, 100-240V~, 50/60Hz   |
| Certifications                     | CE, FCC Class A and cCSAus   |
| Power consumption                  | 520W typical, 750W maximum   |
| Noise level (typical at 25°C/77°F) | 30dB (29dB at 20°C/68°F)   |
| Operating temperature              | 10 -40°C (sea level)   |
| Operating humidity                 | 20 -80% RH   |
| BTU per hour                       | 1,774 BTU/h typical, 2,545 BTU/h maximum   |
| Dimensions (WxLxH)                 | 473 x 563 x 293 mm / 18.6 x 22.2 x 11.6 in (excluding lens and feet)   |
| Weight                             | 31 kg/68 lbs   |
| Warranty                           | Limited 3 years parts and labor, extendable up to 5 years  |
| Safety requirements                | RG2*   |

\*Only lenses specified in the installation manual are permitted for installation.

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