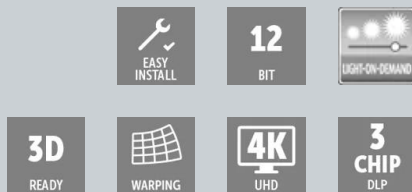


# Njord

Njord has a pleasing calm uniform image and is designed for large screens or high ambient light environments.



- **Theater & Media Room Series**
- **4K UHD Resolution (3,820 x 2,160)**
- **3-Chip DLP**
- **Up to 12,500 ANSI Lumens**

Njord inherits a lot from its predecessor Wodan, however, the light source and optical engine are completely redesigned, made smaller, more efficient, and most importantly optimized for perfect cinematic colors.

Njord not only offers a pleasing uniform image, it also has the power to illuminate large screens or high ambient light environments; like outdoor entertainment spaces and contemporary glass home designs. These environments will all benefit from an unbelievably bright and detailed image with spectacular color fidelity for the most demanding clients.

## Single Step Processing SSP™

Pulse is a hardware and software based platform that simplifies the signal allowing it to transmit from source to screen much faster and more efficiently. We use an advanced image processing technique to display the image on the screen without any artefacts and with the lowest possible processing lag (

## 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 utilises the very latest 0.9" DMD DLP chipset, delivering 5,120 x 2,160 pixels to screen. Njord also features HDR, motorised lenses and Barco's unique RealColor processing, enables simple and accurate calibration to any desired color standard or white point.

## Building Blocks

Njord offers 4K UHD resolution for superb image quality. Thanks to its modular design Njord is easy to service. Njord is the most compact rugged projector



Njord offers 4K UHD resolution for superb image quality. Thanks to its modular design Njord is easy to service. Njord is the most compact rugged projector that offers up to 12,500 lumens light output currently available. One of its most striking features is that as standard it's equipped with a fully featured-on-demand option for flexible light output between 4,000-12,500 lumens.

### Laser Light Source

Outstanding image quality also requires an exceptional light source which is why we designed Njord with a brand new laser engine, significantly improving image uniformity (95%) over its predecessor. Njord is also equipped with custom selected lasers to deliver a DCI/P3 color gamut.

Lasers last longer than traditional projector lamps, are not as fragile and offer nearly instant on/off.

## Product specifications

## NJORD

### General specifications

Projector type	Three chip DLP
Light source lifetime	Up to 20,000
CLO (constant light output)	Yes
Optical dowser	Yes
Technology	3 x 0.90" DMD™ with sealed core
Integrated web server	Yes
Resolution	3,840 x 2,160 (4K UHD)
Diagnostics	via Prospector web interface
Aspect ratio	1.78:1 (16:9)
Light source	Laser phosphor
Light output	Up to 12,500 ANSI Lumens Dimable to 4,000 lumens
Contrast ratio	20,000:1 (with DynaBlack enabled), 2,000:1 Sequential 600:1 ANSI
Brightness uniformity	>90%
Input resolutions	HDMI™: Up to 4,096 x 2,160 @ 24/25/30/50/60Hz  DisplayPort (Single Input): Up to 4,096 x 2,160 @ 24/30/50/60Hz  via Optional Quad DP1.2 Input Card  DisplayPort (Layout Mode: 2 x 2) *: Up to 1,920 x 1,080 @ 120Hz Up to 2,048 x 1,080 @ 120Hz  DisplayPort (Layout Mode: 4 x 1) *: Up to 960 x 2,160 @ 120Hz  * Specialist GFX cards may be required
Lens range	(R9801661) -TLD+ (0.41:1) -90 Degree Lens (R9862001) -TLD+ (0.73 -0.94:1) -90 Degree Lens (R9801414) -TLD+ (0.92 -1.33:1) (R9862005) -TLD+ (1.24 -1.56:1) (R9862010) -TLD+ (1.49 -2.02:1) * (R9862020) -TLD+ (2.01 -2.76:1) * (R9862030) -TLD+ (2.69 -4.41:1) * (R9862040) -TLD+ (4.37 -7.35:1) * (R9829997) -TLD+ (6.95 -10.83:1) * Standard Lens Option(s)
Latency	TBD
Optical lens shift	Up to 73% vertical lens shift & up to 28% horizontal lens shift (depending on lens selection)  Visit the Barco Residential Lens Calculator for further information <a href="#">Download Lens &amp; Airflow Data Here</a>
Color correction	P7 RealColor™
Color gamut	Up to DCI (P3)
Image processing	Embedded Warp & Blend Engine
WARP	4-Corner Warp & Bow Correction via Warp Engine
Orientation	360° Rotation
Network connection	10/100 Ethernet via RJ45 connection
Operational humidity	0 to 80% (relative humidity)
HDR	HDR10
3D	Active Stereoscopic 3D Additional hardware required please contact an authorized Barco representative for details
Inputs	1 x HDMI™ 2.0 (HDCP 2.2) 2 x HDBaseT (HDCP 1.4 -9Gbps only) 1 x Display Port 1.2 Quad 3G / 12G SDI / BarcoLink 1 x RJ45 Ethernet 1 x RS232 1 x USB 2 x DMX (1 x Input / 1 x Output) 1 x XLR for Wired Remote 2 x 3D Sync (1 x Input / 1 x Output) Optional Upgrade: Quad DP1.2
Shipping Dimensions	Including Pallet -Excluding Lens (Packaged Separately) 850 x 665 x 613 mm 33.46 x 26.18 x 24.13 in.
Control	IR, RS232, IP, 12v Trigger Driver modules available for: Crestron, Control4, RTI & Savant WiFi (Optional), XLR Wired Remote, GSM (Optional)
Shipping weight	TBD
Power requirements	110 -130V / 200 -240V / 50 -60Hz
Standard accessories	Power Card / Remote control
Certifications	CE, FCC Class A and cCSAus
Power consumption	1,723 W Max

**Product specifications****NJORD**

Noise level (typical at 25°C/77°F)	43 dB(A)
Operating temperature	0 to 40 °C at Sea Level Optimal Set Point: 20 °C
*	Firmware upgradable Please contact an authorized Barco representative for details
BTU per hour	Max. 5,876 BTU/h @ 200 -240V Max. 4,811 BTU/h @ 110 -130V
Airflow requirements	Air Inlet (from Rear w/Feet Down): Front / Top / Right Exhaust (from Rear w/Feet Down): Rear Clearance Requirements: Front: 40cm Left: 1cm Right: 40cm Rear: 40cm Top: 40cm
Exhaust airflow	152 ft <sup>3</sup> /min @ 25 °C 258 m <sup>3</sup> /hour @ 25 °C <a href="#">Download Lens &amp; Airflow Data Here</a>
Dimensions (WxLxH)	Excluding Lens 540 x 725 x 355 mm 21.26 x 28.54 x 14 in.
Weight	Excluding Lens 48kg / 105lbs
Warranty	Limited 3 years parts and labor Extendable up to 5 years
Safety requirements	This projector may become Risk Group 3 (RG3) when an interchangeable lens with throw ratio greater than 2.3 is installed. Refer to the installation manual for further information.

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