

BARCO

Visibly yours

RESIDENTIAL



Control4

Living Room

61° 11:02 AM



Watch



Listen



Lighting



Comfort



Security



Settings



P-57

Key features

Professional-grade optics

By basing Loki's optical engine on our proven Optix architecture, custom designed aspherical glass elements and enhanced low dispersion glass lenses, image quality is in a class of its own. Contrast is not only increased, but the detail within the darkest parts of the image are more visible.

State-of-the-art electronics

All new "Platinum" 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.

Loki also features HDR, motorised lenses and auto aspect detection between 16:9 and cinemascope. Featuring Barco's unique RealColour processing, Loki enables simple and accurate calibration to any desired white point or greyscale.

Laser light source

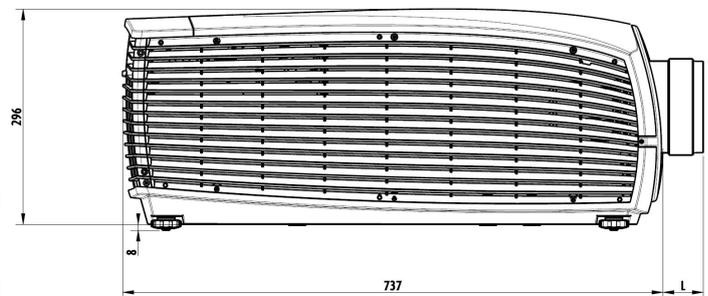
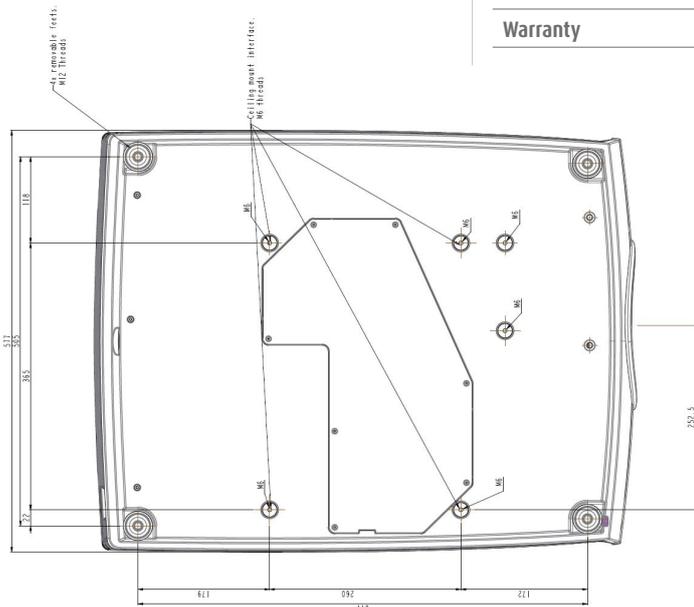
Outstanding image quality also requires an exceptional light source. Which is why we have packed Loki with a brandnew laser engine. Alongside significantly improved image uniformity, lasers last longer than traditional projector lamps, are not as fragile and offer nearly instant on/off. Light output is up to 12,000 lumens.

Liquid cooling

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

Technical specifications

Resolution	3,840 x 2,160 px @ 60Hz
Display technology	Single chip 4K XPR DMD™
Housing	Sealed DMDs and optical assembly
Input compatibility	up to 4K UHD
Light output	T-version: up to 8,500 lumens M-version: up to 12,000 lumens
Contrast	4,500:1 ANSI
Light Engine	Laser phosphor
Lenses	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)
Lens shift range	Varies depending on lens, up to 144% with EN41 & EN43
Inputs	2x DP, 2x dual link DVII, HDBaseT, HDMI 2.0
Control	RJ 45 Ethernet, DMX in/out, RS232 in, 2x USB, 12v out
3D	active stereoscopic 3D
Dimensions	575 x 730 x 295 mm / 22.64 x 28.74 x 11.61 in
Shipping Dimensions	TBD
Weight	38 kg / 84 lbs
Power requirements	110 - 240 V / 50-60 Hz
Power consumption	1,600 Watt max - 6,000 BTU/h max
BTU per Hour	Max 6,000 BTU/h
Noise level (typical at 25°C/77°F)	43 dB(A) (max)/ 40 dB(A) (normal)
Operating temperature	10 - 40°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



Loki Cinemascope

Theater & Media Room Series



The Barco Loki Cinemascope offers the same Ultra HD enhancements as the Barco Loki projector, coupled with a high-capacity 2.37:1 aspect DLP engine. Its exceptional design allows a 2.40:1 film to be shown without requiring an anamorphic lens. The projector also provides Barco's renowned single step image processing and low latency scaling technologies.



Loki Cinemascope



THEATER
SERIES



MEDIA ROOM
SERIES

Key features

Professional-grade optics

By basing Loki Cinemascope on a proven optical architecture, custom designed aspherical glass elements and enhanced low dispersion glass lenses, image quality is in a class of its own. Contrast is not only increased, but the details within the darkest parts of the image are more visible.

Cinemascope

The Loki Cinemascope has a unique automatic aspect ratio detection function. It will look for 2.40:1 content and automatically scale the image to fit the 5120x2160 resolution and of course change back to 16:9 (3840x2160) if you have content in that format. It will also change aspect ratio when a 2.40:1 format movie has a menu's outside the active picture frame. You can also switch manually between the different formats.

Laser light source

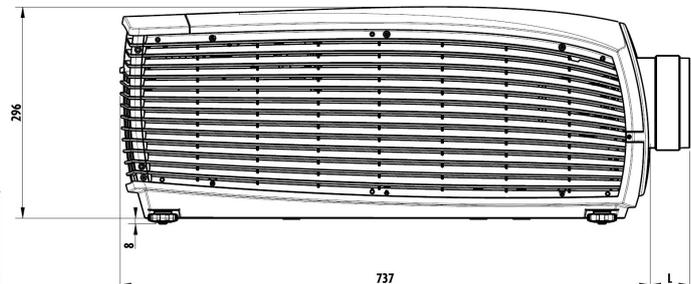
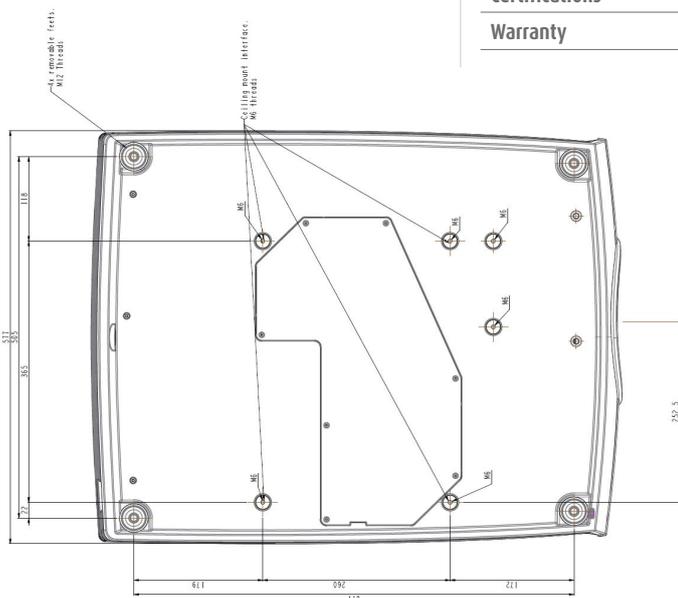
Outstanding image quality also requires an exceptional light source. This is why we have packed Loki Cinemascope with a brand new dual laser engine. Alongside significantly improved image uniformity, lasers last longer than traditional projector lamps, are not as fragile and offer nearly instant on/off. Light life is up to 40,000 hours.

Liquid cooling

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

Technical specifications

Resolution	5120 x 2,160 px @ 24Hz
Display technology	Single chip XPR DMD™
Housing	Sealed DMDs and optical assembly
Input compatibility	up to 4K UHD
Light output	T-version: up to 5,600 lumens M-version: up to 7,800 lumens
Contrast	600:1 ANSI contrast
Light Engine	Laser phosphor
Lenses	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)
Lens shift range	Varies depending on lens, up to 213% with EN41 & EN43
Inputs	2x DP, 2x dual link DVII, HDBaseT, HDMI 2.0
Control	RJ 45 Ethernet, DMX in/out, RS232 in, 2x USB, 12v out
3D	active stereoscopic 3D
Dimensions	575 x 730 x 295 mm / 22.64 x 28.74 x 11.61 in
Shipping Dimensions	TBD
Weight	38 kg / 84 lbs
Power requirements	110 - 240 V / 50-60 Hz
Power consumption	1,600 Watt max
BTU per Hour	Max 6,000 BTU/h
Noise level (typical at 25°C/77°F)	38 dB(A)
Operating temperature	10 - 40°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



www.barcoresidential.com



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

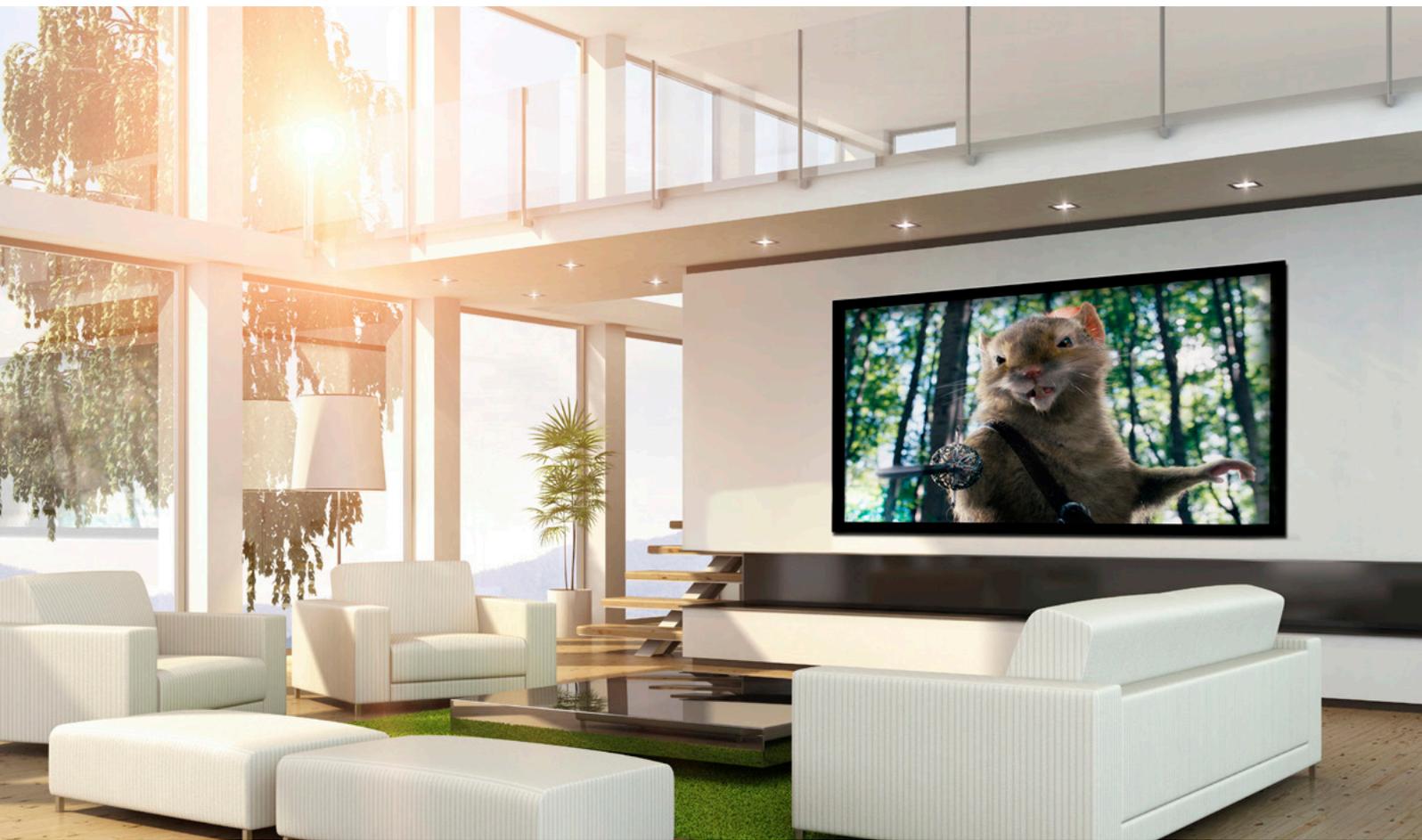
Resolution	3,840 x 2,160 px @ 60Hz
Display technology	Single chip 4K XPR DMD™
Housing	Sealed DMDs and optical assembly
Input compatibility	up to 4K UHD
Light output	T-version: up to 5,000 lumens M-version: up to 7,000 lumens
Contrast	600 : 1 ANSI Contrast
Light Engine	Laser phosphor
Laser Life	100% 20.000 hours -> 50% Brightness 75% 60.000 hours -> 50% Brightness
Lenses	0.30 : 1 (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)
Lens shift range	Varies depending on lens, up to 144% with EN41 & EN43
Inputs	2x DP, 2x dual link DVII, HDBaseT, HDMI 2.0
Control	RJ 45 Ethernet, DMX in/out, RS232 in, 2x USB, 12v out
3D	active stereoscopic 3D
Dimensions	475 x 593 x 286 mm / 18,7 x 23,3 x 11,2 in
Shipping Dimensions	TBD
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)	tbd
Operating temperature	10 - 40°C (sea level)
Operating humidity	20 - 80% RH
Installation	free rotation
Certifications	CE, FCC Class A and cCSAus

www.barcoresidential.com



Medea

Media Room Series



4K UHD resolution, 5,500 lumens of laser illumination and custom Barco Pulse electronics, all painstakingly optimised and produced at our facility in Norway to deliver unprecedented fun in small to medium sized media rooms. Just as the mythical Medea flew in a golden chariot driven by dragons (sent by her grandfather Helios, god of the sun) our Medea will bring life to fantasy.



Key features

Professional-grade optics

Medea's optical engine architecture is nothing but world-class. It is built from custom designed aspherical glass elements and enhanced low dispersion glass lenses. The resulting Image quality is simply outstanding.

State-of-the-art electronics

All new "Pulse" electronics are built on a superior FPGA platform featuring a dual core processor on the industry's only 20 nm SoC, with 96 transceiver lanes delivering 3.3 Tbps of serial bandwidth. It has been designed to process 4K with HDMI 2.0a and HDCP 2.2 and HDR10 with extremely low latency, thanks to our unique single step processing technology. Barco's RealColor processing enables simple and accurate calibration to any desired white point or greyscale.

Award Winning DLP technology

Medea utilises the very latest 0.66-Inch Diagonal Micromirror Array from TI, it Displays 4K Ultra High Definition (UHD) 3840 x 2160 Pixels on the Screen, features a 5.4 Micron Micromirror Pitch and a ±17° Micromirror Tilt (Relative to Flat Surface).

Laser light source

Medea is packed 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 5,500 lumens.

Liquid cooling

Medea has departed from a pure fan based cooling system to a liquid cooling PID regulation system, allowing Medea to operate at any angle, increasing installation flexibility.

Technical specifications

Resolution	3,840 x 2,160 px @ 60Hz
Display technology	0.66" DMD
Housing	Sealed DMDs and optical assembly
Input compatibility	up to 4K UHD
Light output	M-version: up to 5500 lumens
Contrast	TBD
Light Engine	Laser phosphor
Laser Life	TBD
Lenses	0,85 - 1.06 : 1 1.06 - 1.43 : 1 1.43 - 2.12 : 1 2.12 - 3.18 : 1 0.3 : 1 (EN58) With an adapter 0.61 : 1 (EN47) with an adapter 0.8 : 1 (EN 42) with an adapter 0.75 - 1.13 : 1 (EN46) with an adapter 1.2 - 1.7:1 (EN 43) with an adapter 1.7 - 2.5 : 1 (EN41) with an adapter 2.5 - 4.6 : 1 (EN 44) with an adapter
Lens shift range	Varies depending on lens
Inputs	HDBaseT, HDMI 2.0, DVI, DisplayPort, SDI, DMX
Control	TBD
3D	3D Capable, TBD on formats
Dimensions (HxWxL)	227x 480 x 680 mm / 8,9 x 18,9 x 26,7 in
Shipping Dimensions	TBD
Weight	25,5kg / 56,22 lbs
Power requirements	100 - 240 V / 50-60 Hz
Power consumption	850 W Max
BTU per Hour	TBD
Noise level (typical at 25°C/77°F)	35 dB(A) (max)
Operating temperature	TBD
Operating humidity	TBD



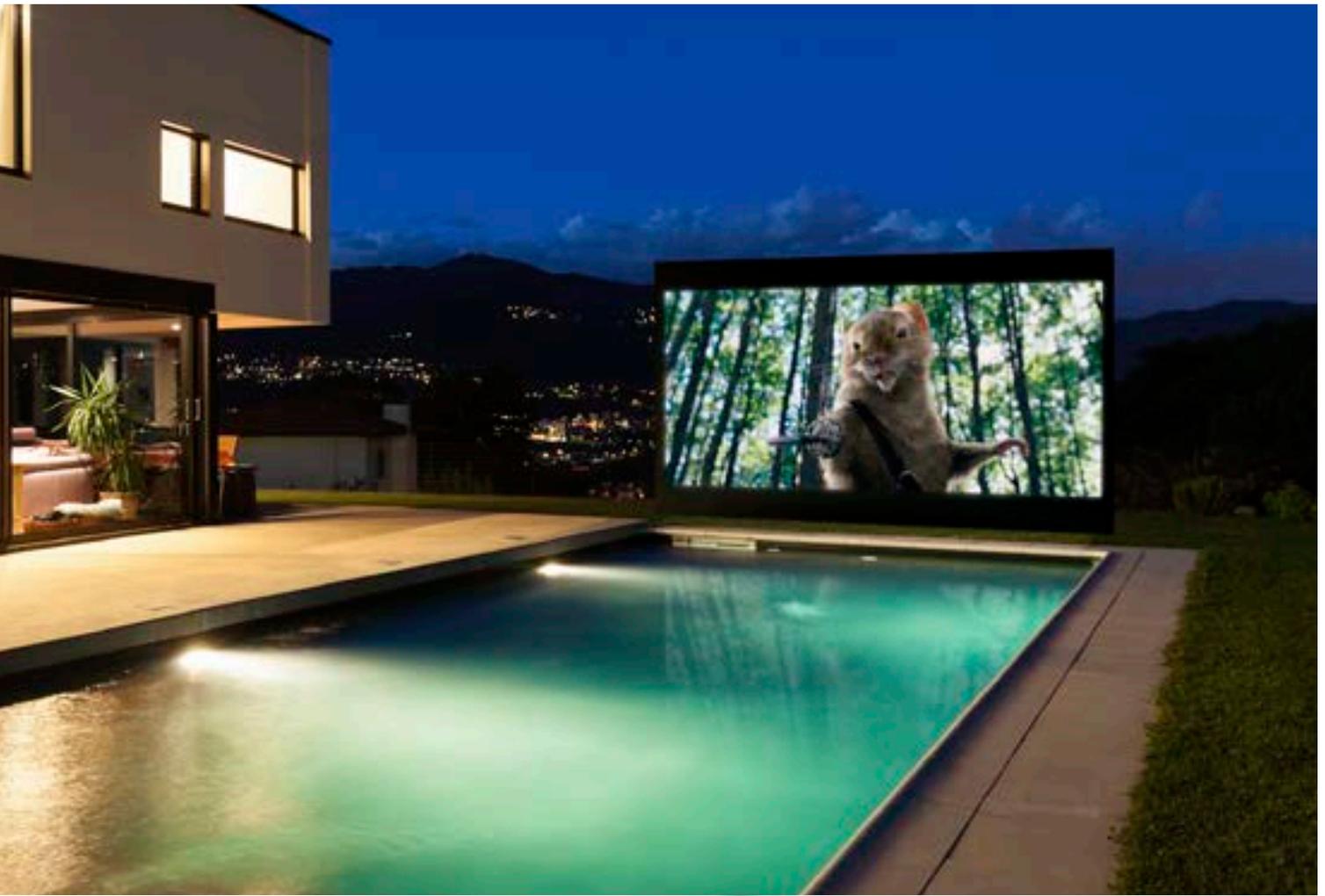
Barco TV, re-imagined for the 21st century

You can now create your own integrated customized TV, with CinemaScope or 16 x 9 aspect ratio. Drawing on our leadership in projection, lens, and display technology that was originally developed for commercial cinemas and mission-critical control rooms, we enable you to indulge in viewing experiences that have cinematic impact. And guess what? This solution complements the architecture of your favorite room.



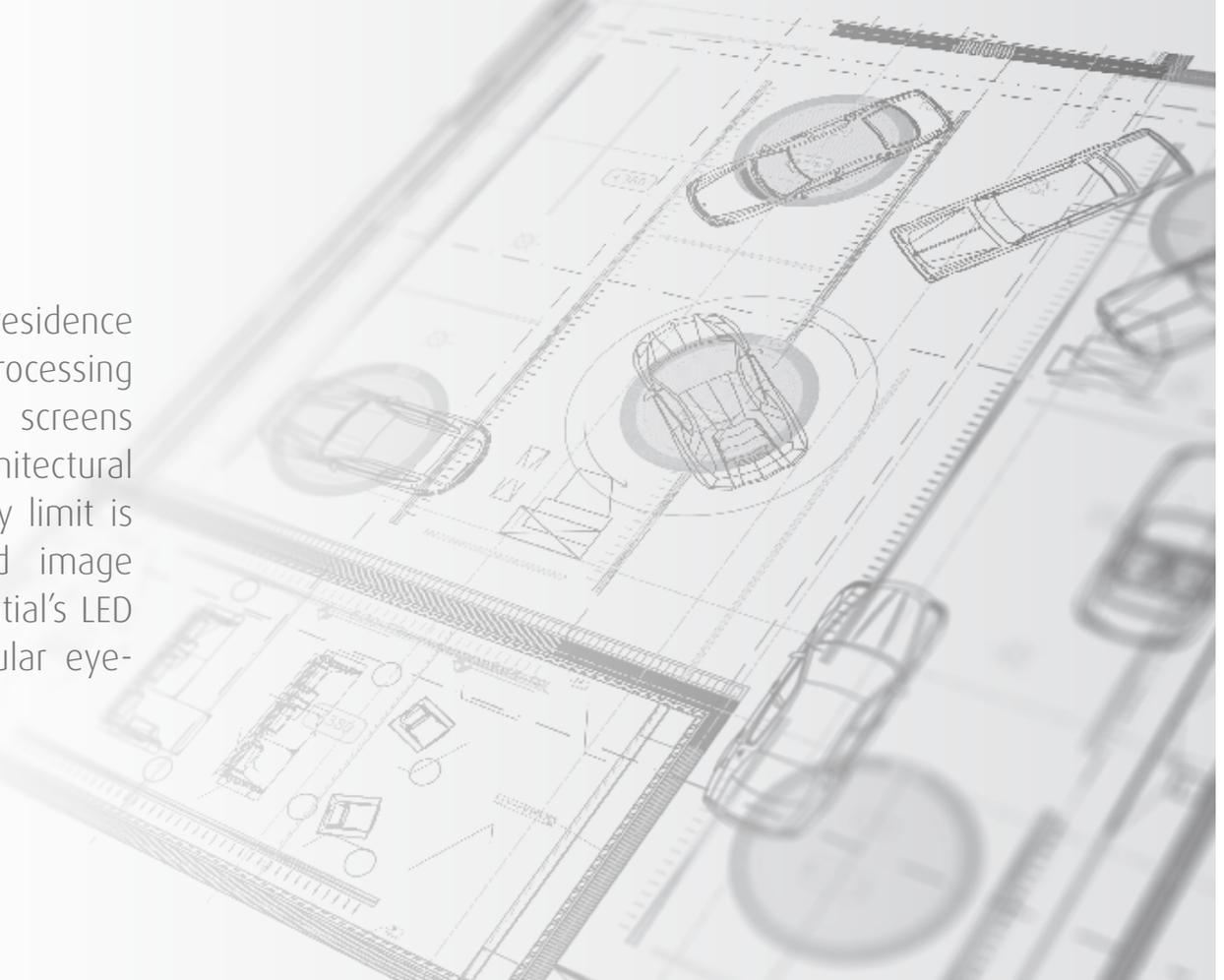
Get creative with

Put an exceptional finishing touch on your space with the world's premium projection technology. From giant canvases for outdoor entertainment to custom displays throughout your home, your imagination is the only limit. Provide your guests with the best quality with stunning color and contrast. Our technology allows you to create a truly cinematic experience.



h LED

g touch on your residence
LED and image processing
high-resolution screens
at spaces to architectural
ur home, the only limit is
ding unsurpassed image
rs, Barco Residential's LED
o create spectacular eye-



The collection



Theater series

Tailored to dedicated theater rooms or controlled light environments, the Theater projectors are designed for the true cinephile who desires accurate images and consistent Rec.709 color performance, as intended by the movie director.



Media room series

Optimized for environments with greater ambient light, the Media room range offers a substantial increase in brightness compared to their T series counterparts, delivering excellent image quality in adverse lighting conditions. Perfectly suited for rooms where fun and entertainment are the order of the day.



Cinema at home series

These exceptional projectors are the ultimate expression of Barco Residential's unwavering dedication to craftsmanship and image quality. Built with the best professional cinema technologies, they have been exclusively enhanced for the home environment. The choice of film professionals, they epitomize everything Barco Residential stands for.

