UDM

Light and compact laser projectors for venues and events

Best of all worlds

Uncompromised design.

The list of benefits of our new game changing UDM projection platform is endless. Technical superiority, maximum ease-of-use, astonishing versatility... We made zero concessions to give you the best there is.

So why choose, if you can have it all?
Meet the UDM.

Small projector AND big performance

When purchasing a new projector, the size and weight of the unit is often the factor that tips the scales. Minimize your costs with the extremely **compact** UDM, weighing less than 50kgs. It facilitates easy installation and takes up less space on the shelf or during transport.

But while a small and light design can save you lots of money and time, it should never compromise on the quality or **brightness** of your projection. Deliver impactful 4K experiences with mind-blowing color performance thanks to the **widest color spectrum** on the market outperforming the Rec. 709 color space.

Robust AND flexible design

Just like our unbelievable UDX, the UDM is specifically built to withstand the endurances of hard life on the road. Thanks to its **rugged design** and the smart material choices, you can trust your investment to stand the test of time.

In addition, Barco's UDM is also the undisputed champion in **flexibility**. The projector can be rotated 360 degrees without any restrictions. Lift your creativity to unprecedented levels with the widest lens shift on the market, a unique 90° **ultra-short throw lens**, and an extensive list of available accessories. Deliver superior quality in the most diverse setups without complicating the process for your crew members.

Uncompromised impact.

Remote AND close serviceability

Allowing for fast troubleshooting and efficient fleet manage-ment, the UDM's **connectivity** offers complete peace-of-mind when creating memorable experiences.
At the same time, the UDM's clever design supports easy serviceability in the field. Its **modularity** ensures fast and simple maintenance and maximum uptime.

The UDM projector platform

	UDM-4K15	UDM-W15	UDM-W19	UDM-4K22	UDM-W22	UDM-4K30	UDM-W30
Light output	15,000 lumens	15,000 lumens	20,000 lumens	22,000 lumens	22,000 lumens	27,000 lumens	30,000 lumens
Resolution	3,840 x 2,400	1,920 x 1,200	1,920 x 1,200	3,840 x 2,400	1,920 x 1,200	3,840 x 2,400	1,920 x 1,200
Contrast	2,200:1	2,200:1	2,200:1	2,200:1	2,200:1	2,200:1	2,200:1
Barco DynaBlack	20,000:1	20,000:1	20,000:1	20,000:1	20,000:1	20,000:1	20,000:1
Brightness uniformity	95%	95%	95%	95%	93%	95%	93%
Weight	48 kg	48 kg	48 kg	48 kg	48 kg	48 kg	48 kg
Dimensions (L x W x H)	725 x 540 x 339 mm	725 x 540 x 339 mm	725 x 540 x 339 mm	725 x 540 x 339 mm	725 x 540 x 339 mm	725 x 540 x 339 mm	725 x 540 x 339 mm
Noise level	46 dB	46 dB	47 dB	48 dB	48 dB	48 dB	48 dB

All lumens are ISO lumens.

15K LUMENS · 19K LUMENS · 22K LUMENS · 30K LUMENS · 3 CHIP DLP · LASER PHOSPHOR · CONSTANT LIGHT OUTPUT · FLEX² · 3D READY · REMOTE · COMPACT · RUGGED · REUSE LENS · BLENDING · WARPING · MANAGEMENT SUITE

Barco Pulse

The beating heart of the UDM projectors? That's the Barco Pulse processing! **Barco Pulse** is the powerful 4K electronics backbone that's integrated in all our new projectors. It offers an intuitive interface and flexible, user-friendly, embedded control software.

The proprietary **Single Step Processing (SSP)** technology enables our projectors to perform warping, scaling and 4K Ultra High Definition (UHD) processing in only one step. This results in sharper images and market leading lowest latency.

Through Barco's **DynaBlack** ultra-fast processing and laser pulsing, the UDM projectors can increase the overall dynamic contrast range by making darker scenes darker without any processing latency, which is crucial in today's projectors, especially with HDR content.

Barco Insights Management Suite

Barco's cloud-based solution allows you to get the most out of your rental fleet!

The Insights Management Suite provides you with real-time information on the operating and environmental conditions of your projectors. You can diagnose and resolve issues before they turn into failures. Control your projectors from anywhere in the world and use the cloud API for secure and easy integration with your own tools and company processes. It's efficiency, reliability and flexibility at the core of your rental fleet. Anywhere, anytime.

Barco's Insights Management Suite comes in 3 flavors: Monitor, Diagnose and Control.
Monitor features are automatically enabled on the UDM series. Test and upgrade at any time if you want to explore more advanced features.

The Insights Management Suite dashboard enables us to get a quick snapshot of the usage on the entire fleet. This will save us money in the long run and give our teams the chance to spend their time on more important tasks.

Craig Lawrence
Video & Projects Director, SFL Group

UDM. M is for more.

Increase your return on investment and maximize the utilization of your projector fleet with the help of following UDM features and peripherals.

Reuse your lenses

There's no need to replace your existing lens fleet or invest in new lens gear. If you've selected our high-quality, glass **TLD+ lens range** with variable throw ratio in the past, you can reap the benefits from your investment again and reuse the lenses on the UDM projectors.

Pick your brightness and resolution

The UDM platform comes with Barco's unique **FLEX² feature**, which allows you to tune and lock the brightness level for a specific show. So you can cover a wider range of applications with fewer projectors.

Rigging and stacking? Done in a breeze.

The **motorized rental frame** offers an easy and flexible solution for stacking and hanging projectors, and allows for quick remote adjustments.

The Barco 90° UST lenses can be used with the rental frame.
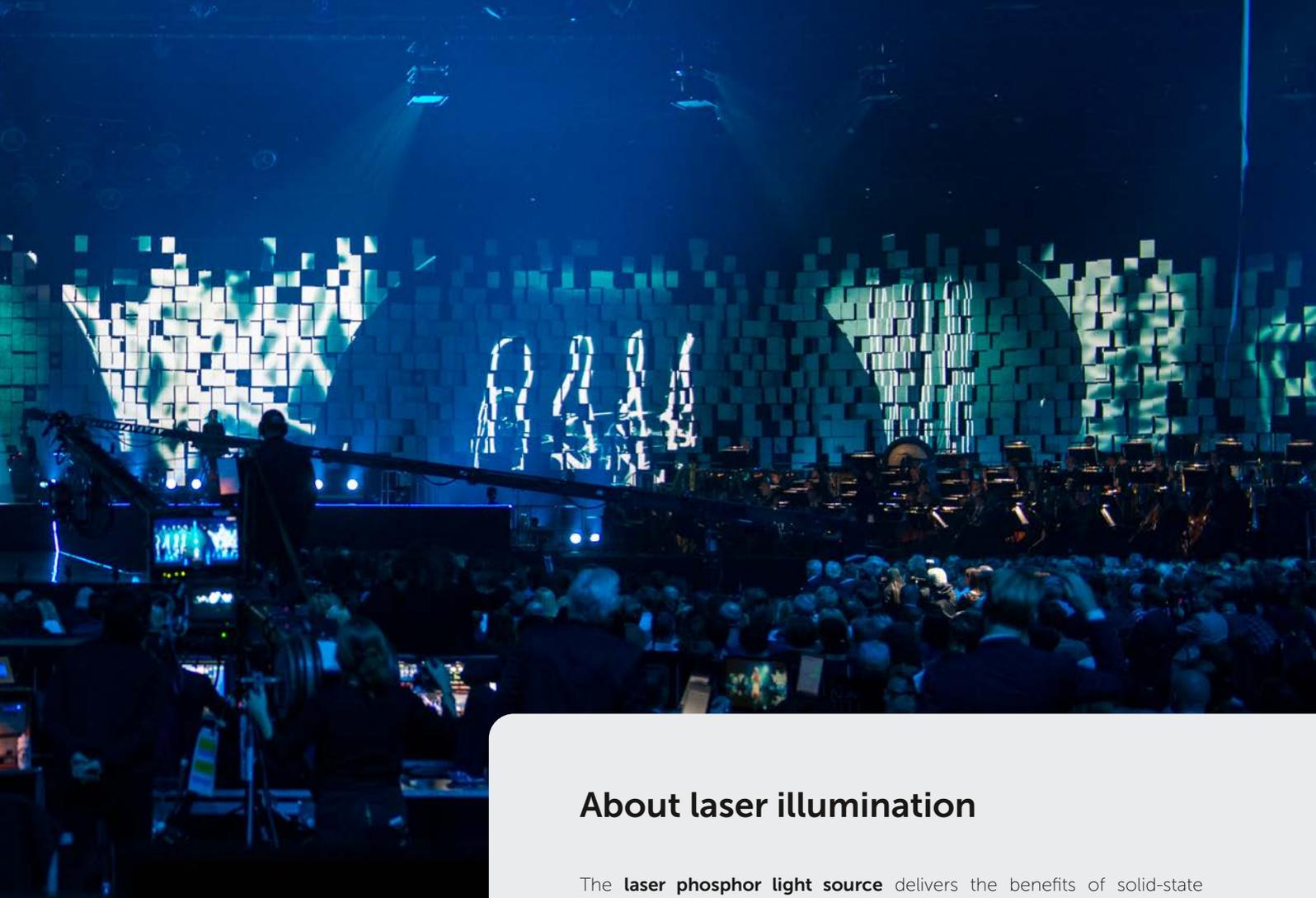
Fiber input card

Replace the external fiber converter boxes that are being used today with a **built-in fiber solution** for 4K distribution over long distances. Get rid of redundant complexity and avoid signal drop-outs caused by weak chain components.

About laser illumination

The **laser phosphor light source** delivers the benefits of solid-state illumination in a cost-effective and compact way, which is required for the live events and large venue market applications. Lamp-related costs and maintenance as well as image flicker, belong to the past. What's more, Barco's outstanding integrated **laser cooling** prevents unexpected downtime caused by overheating and extends the projector's lifetime.

The UDM is designed to run more than **20,000 hours** without compromising on color or brightness consistency. Barco's **Constant Light Output** helps managing the brightness levels of your rental fleet. It allows you to achieve constant brightness across your unit's rental lifetime. But CLO also offers the opportunity to adjust the brightness across multiple units with different lifetimes for perfect blending results and efficient fleet management.

LIGHT SOURCE LIFETIME
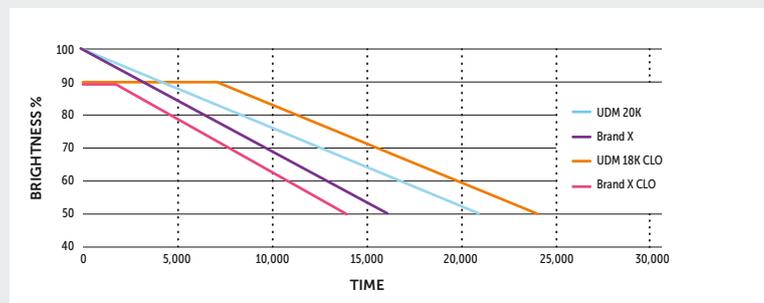
Thanks to its compact form the light-weight UDM is perfect for both the live events industry and the themed entertainment market. From impressive projection mappings to corporate events, and from large auditoriums to theme parks. The UDM does the trick, and more.

With Barco's UDM laser projector, we know we are offering our customers the total package: a rugged projector which excels in projection quality, ease-of-use and reliability.

Thierry Heldenbergh,
Managing Director at AED Display

M00882-R07-0623-PB June 2023

www.barco.com/UDM

BARCO