2022

PRODUCT CATALOGUE

KVANT®

LASERS

Contents

WE ARE **KVANT.**

01

Our products represent innovative and honest European manufacturing that is reasonably priced for both sides of the business.

02

We stand behind thousands of satisfied customers who have chosen us to be their partners in laser displays because they trust our products and services.

03

We are a team of hard-working individuals with strong ethical beliefs. We understand the laser business and help set the standards within our industry.

The KVANT as a limited company was established in 1995. Since then, we have continuously developed and manufactured professional laser display systems for the entertainment, science, and industrial sectors. And all that with 100% commitment to our customers.

We export our products to over 60 countries worldwide, including the USA. With more than 130 employees, 30 distribution points, and extensive in-house R&D and manufacturing facilities, we count ourselves amongst the most significant suppliers of the laser display industry.

Our Award-winning multimedia show production team also operates worldwide, and the LED screens department holds a stock of over 1,000 sqm of LED panels available for immediate hire.

Burstberry

Power output: 2 Watts

Allowing you to create new types of effects never seen before.

With our Burstberry you can now easily create all the super-cool laser effects that seemed impossible to accomplish before. Controlling a complex setup made of many Burstberry's is now so simple thanks to the control via ArtNet protocol.

Compact in size, being a fully equipped RGB laser display system with inbuilt burst effect and 3W white LED blinder - that's Burstberry. Allowing you to create new types of effects never seen before.

The system is designed to work as a multi-head laser system and can be assembled into virtually any **geometrical formation**. Individual units can be physically clipped together from 6 different directions, which makes it possible to create more or less any kind of shape you can imagine. A cluster of six Burstberries delivers drawing speeds of over 150 Kpps

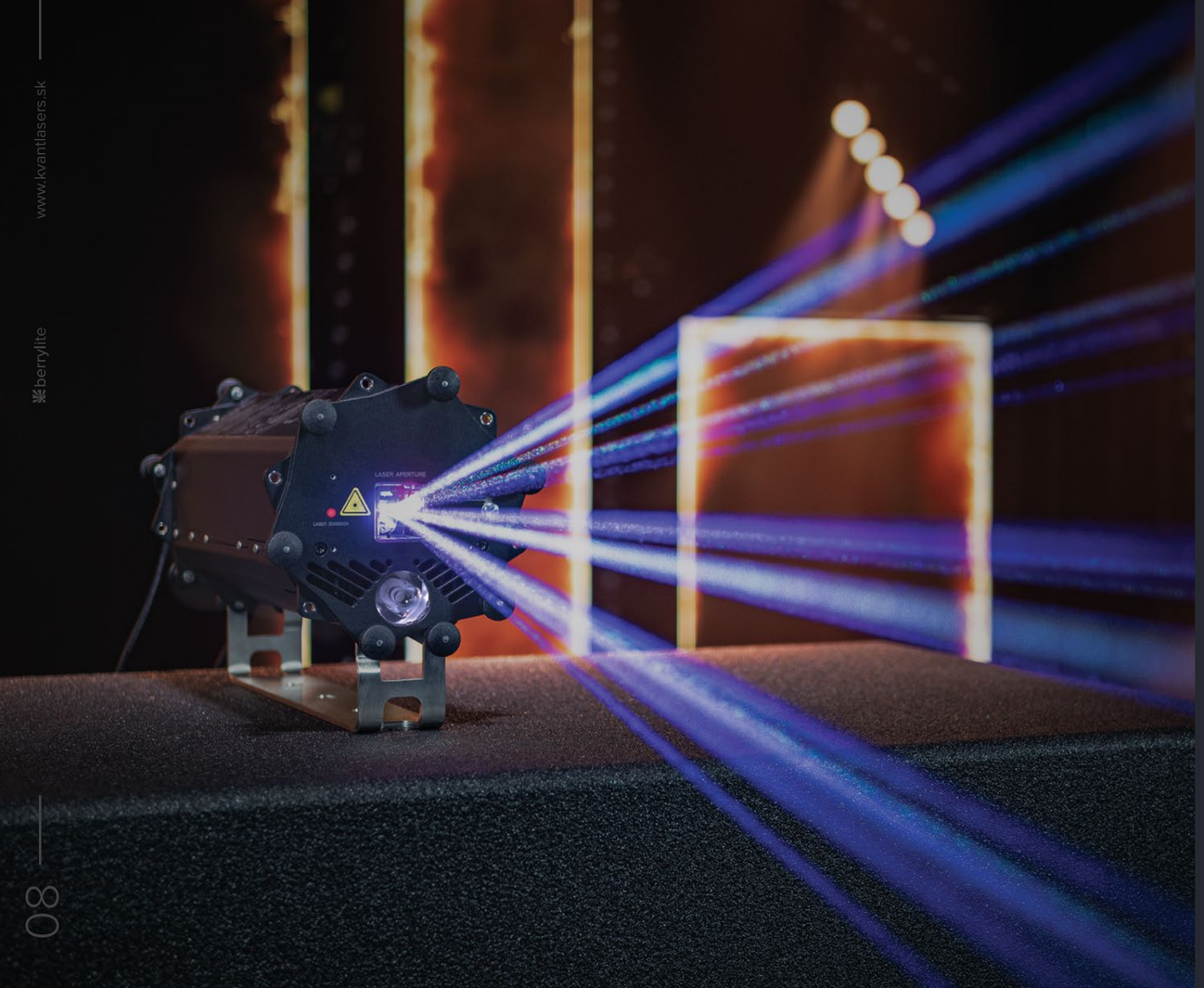
in action: Burstberry

GO BIG WITH YOUR SHOW !

Kvant Burstberry is also perfectly suitable for large scale events. They proved to be powerful enough for Enrique Iglesias' show in Bratislava and that means they will be good for any other show too.

Kvant Russia laser display production supplied 20 Burstberries for this show, making it visually outstanding.

Enrique Iglesias, Bratislava | 2019



Berry Lite

Power output: 5 Watts

Our thriving Burstberry modular system is better than great. But we appreciate that it might be a bit too much for some, stuffed with too many features, which although being cool, maybe not always required.

SO WE CAME UP WITH A SIMPLIFIED BUT MORE POWERFUL VERSION - THE BERRY LITE.

Still the same unique modular concept and excellent quality, but with higher power output instead of additional features. So if you want to do all those stunning multi-head effects and laser graphics shows looking like they are not from planet Earth, Berry Lite is the way to go.

LogoLas

Power output: 2-10 Watts

The LogoLas is a professional laser display system built into an industrial-grade housing, developed for outdoor laser advertising, high visibility signage, facade illumination and crowd flow management applications.

With its inbuilt control interface and IP rated robust build, it is a comprehensive solution for permanent installations at demanding environments.

- LogoLas is simple to install, comfortable to control, economical to run and VERY bright
- You can remotely supervise and change the projection in seconds, design it within minutes and run it for years and even turning it on/off automatically
- The optional Saturn1 60 Kpps scanning turns any Logolas into the ultimate graphical laser display system
- LogoLas can handle rain, snow and sand and works reliably at temperatures from -20 to +40 C
- Certified IP65 construction

in action: LogoLas 6000

GET YOUR MASSAGE OUT THERE! NEON-LIKE LASER TEXT AND GRAPHICS WILL CATCH PEOPLE'S ATTENTION AND GET YOU NOTICED.

Laser billboard, Bratislava | 2020

LogoLas
Upgrades

BEAM EXPANDER

The aperture fitted with our Beam Expander will get you the most visible beam possible out of your LogoLas laser projector.

SATURN1 | 60 KPPS SCANNING

Saturn1 scanners are superb for HD laser graphics and deliver up to 60 Kpps @ 7°, at a maximum scanning angle of 60° on both axes.

REMOTE CAMERA

This 1920 x 1080p, IP67 rated camera system provides the user with a live preview of the LogoLas output via GSM network or IP protocol.

POST-MOUNT INSTALLATION KIT

This kit allows for connecting the supplied wall-mount bracket to any circular posts with an external diameter of 40-100mm. All parts of this kit and fixings are made of stainless steel and provide a secure and robust fit.

Practical self-contained design and robust construction.

CLUBMAX LASERS

Power output: 2-15 Watts

Some years ago, we wanted to make cheap and cheerful, but that's not who we are. So instead, our natural conscience turned a small idea into a bestseller.

Our latest Clubmax has been crafted to perfection following Kvant's core philosophy of continuous improvement.
The level of interest, number of sales, and buzz about Clubmax proved we hit the nail on the head. It became so popular that many copies flooded the market soon after its release.

BUT BE SURE THERE'S ONLY ONE TRUE CLUBMAX!

The Clubmax lasers are a radically simple solution for several thousand people raving to private clubs and cosy venues. Developed concerning challenging clubbing environments, its design is optimised to allow for long maintenance intervals.
TrueRGB colour management ensures consistent colours across the whole range and near-linear response of brightness modulation output.

All the Clubmax FB4 models come fully packed with the latest professional features and technology

- Practical self-contained and robust construction.
- Built-in **Pangolin FB4 control interface** with network switch for professional control and easy daisy-chaining.
- Native control via **ArtNET** and **DMX** from any lighting desk or compatible device.
- **Colour balance display mode** - when this mode is enabled, the laser colours correspond to those you see on your screen without the need for colour palette calibration in your software.

A few nice touches that distinguish us from others and help you to succeed.

These colour settings are stored in the internal system memory of each Clubmax. That means you always get the same colours from all Clubmax lasers, no matter what control interface you use.

- **Sophisticated scan-fail** and system safety with advanced power supply monitoring and DMR. *In reliability engineering, Dual Modular Redundancy (DMR) is a system with duplicated components, providing redundancy in case of failure.*
- DMX controlled **Optical Bench** with four effects *(optional feature)*.

in action: Clubmax 10 FB4 & Clubmax 15 FB4

SMOLENICE CASTLE

We used four Clubmax 10W systems and one Clubmax 15W laser for this spectacular large-scale laser mapping of the castle's facade. Quite an impressive result, considering the compact size of these laser projectors.

Smolenice Castle | 2020

in action: Clubmax 10 FB4

LASER LIGHT ENERGY

Vienna's Masters of Hardcore was at its full power thanks to our laser show that makes this night explode every year.

We used 10x Kvant Clubmax 10W lasers, 20x laser bars, 4x Sparkular Fountains and 4x Sparkular Falls - all controlled with Pangolin Beyond from GrandMA 3.

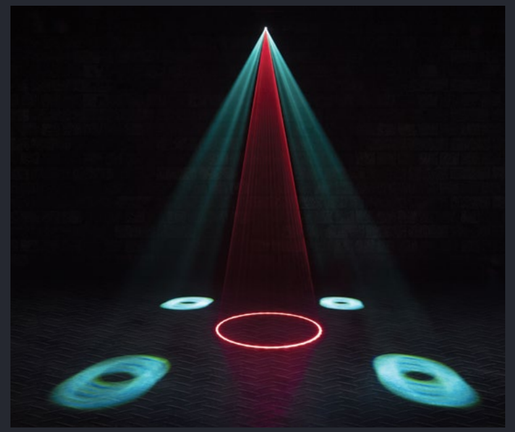
BeamBrush

Power output: 3-35 Watts

There have been attempts in the past to develop a way for us, laserists, to control the width of a scanned laser beam in real-time. Finally, and luckily for us and the whole laser display industry, our partners from Pangolin had managed to figure it out!

This brand new technology is called BeamBrush, and you will find it exclusively in the BeamBrush series projectors of KVANT Lasers.

The BeamBrush technology utilises the Saturn9 actuator and uses the principle of the Keplerian telescope. That is what makes it possible to change the size *(diameter)* of the laser beam before it hits the scanners. The BeamBrush is so fast that it, without any problems, allows for smooth beam diameter adjustments even of complex scanned effects. It means you can properly paint and colour with laser light - something never seen before and setting the limits of laser projectors to a new level.



Being able to widen the size of the beam means that it is possible, to some extent, to replicate the primary effect of moving heads, making BeamBrush laser projectors **more flexible** and **very useful** for lighting designers. And, let's not forget about the advantages of a wider beam regarding laser safety!

We offer four BeamBrush laser systems, with a power output of 3 Watts, 6.8 Watts, 10 Watts and 35 Watts. Essentially they are all based on our current Clubmax and Atom series systems, so they come with all advanced features of those projectors and are compatible with all available accessories.

The laser operator can control the BeamBrush projector from Pangolin BEYOND 5.0 software. It is done via Ethernet from a PC or via Artnet or DMX directly from a lighting console.

Atom

Power output: 20-42 Watts

The Atom series lasers always represented the bridge between lower output Clubmax systems and our flagship Spectrum projectors.

Atom units are structurally designed the same way as the new line of world-class Spectrums, using the same innovative foam aluminium material for the chassis, but with a few differences that allow for a more economical price tag.

The latest Atom is a fine-crafted semiconductor FAC-diode based full-colour laser display system that provides its user with powerful output, unified beams, crisp colours, and advanced control features and connections. The Atoms are offered in three versions, ranging from 20 to 42 Watts.

Powerful, bright, robust and cost-effective.

in action: Spectrum 30 LD

POWER TO ALL

Spectrum's high-power beams dominate the Silverstone racing circuit.

Silverstone | 2020

Spectrum

Power output: 30-45 Watts

The new 2022 Spectrum series is the ultimate result of our know-how merged with the latest laser technology and the wishes of laser display professionals worldwide.

Beautifully and practically designed Spectrum projectors offer world-class performance, superb beam quality, a wide range of colours, inspiring features to help you succeed, and comprehensive control options for easy integration into existing systems.

The new Spectrum is offered in three versions - 30 Watt ROGB, 33 Watt RYGB and 45 Watt RYGB, fitted with either Orange or Yellow OPSL.

Due to our latest breakthroughs in beam-shaping techniques, both these models deliver an enormous amount of luminosity, meaning they are seriously bright!

In addition, the rigged foam aluminium chassis with cushioned heat-sink, advanced thermal management and ergonomics make working with Spectrums stressless, exciting and fun.

With the 2022 Spectrum, you can sit back, relax and focus on your creativity.

When the finest is the only way forward.

01

The output of the new Spectrum is remarkable. The beam profile of each colour is near round, and all beams perfectly match each other in shape, size and divergence, ensuring all the mixed colours are crisp clean without any halos around them.

02

The projector's core is the floating heatsink mounted on a flexible seal in the chassis. This construction helps to reduce vibrations and allows the heatsink to overcome heat expansion without the risk of deformation.

03

The 2022 Spectrum is 30% lighter, significantly smaller and more robust than its predecessor and most conventional projectors in its class.

04

The massive stainless steel hanging bracket with a soft rubber lining offers a comfortable grip and zero flex. Metal Pipe Bumpers are great for increased protection and easier handling when the projector is out of the flight case.

in action: Spectrum

WELCOMING MEGA SHOW

To celebrate the entry to the 2022, KVANT Show Production, in cooperation with Skymusic Production and Fireworks by Grucci, prepared the incredible multimedia show at Belgrade Waterfront.
In use were 56 Spectrum laser projectors (20-30 Watt RGB) and 24 moving heads Beams 580 IP66.

Belegrade | 2022

in action: Spectrum

MORE POWER FOR EVERY SHOW

Kvant UK team used LD 30 Spectrum systems to project beams towards and above Eastnor Castle near Ledbury, UK. The event was a very exclusive private party.

Photo by Digitlight.

Easton Castle | 2017

Architect

Power output: 270-900 Watts

The new Architect range of high-power static-beam lasers (sometimes called sky lasers or landmark lasers) is our reaction to the globally increasing demand for super bright lasers. These systems are great for highlighting significant landmarks, structures and buildings. The beam coming out of the Architect systems draws attention from many miles away. It adds a great deal of sublimity to already majestic nature-made, or human-made objects, making them even more unique, appealing and desirable.

The Architect can be supplied with automated laser beam tracking and targeting system that keeps the beam pointing at the exact spot at all times regardless of minor movements of the target.

The retroreflector mentioned later on in the catalogue is also a great accessory to be used in conjunction with the Architect, resulting in a phenomenal increase of laser brightness.

in action: Architect W270B

SKY LASER

We developed this **powerful full-colour** single beam laser display system for architectural and sky-lighting applications.
Thanks to our **own patented technology** and purposefully overrated design and construction of this unit, it is a reliable and durable solution for permanent outdoor installations.

Winwick | 2020

Outdoor Retroreflector Array

The outdoor retroreflector array is used to reflect a laser beam back to the source.

Unlike a planar mirror, the incident beam is reflected independently of the incidence angle. In addition, if the beam diameter is bigger than the diameter of a single element in the array, the divergence of the reflected beam is significantly reduced.

The retroreflector active area diameter is 400mm but can be customised upon request.

The surface of the entrance window is coated with an anti-reflective coating. The reflective surface covers 90.7% of the retroreflector's aperture. With an aluminium coating on all the individual elements, the total reflectivity is as high as 84.5%.

WHEN THE LASER BEAM IS REFLECTED OFF THE PLANAR MIRROR, THE BEAM DIVERGENCE REMAINS THE SAME.

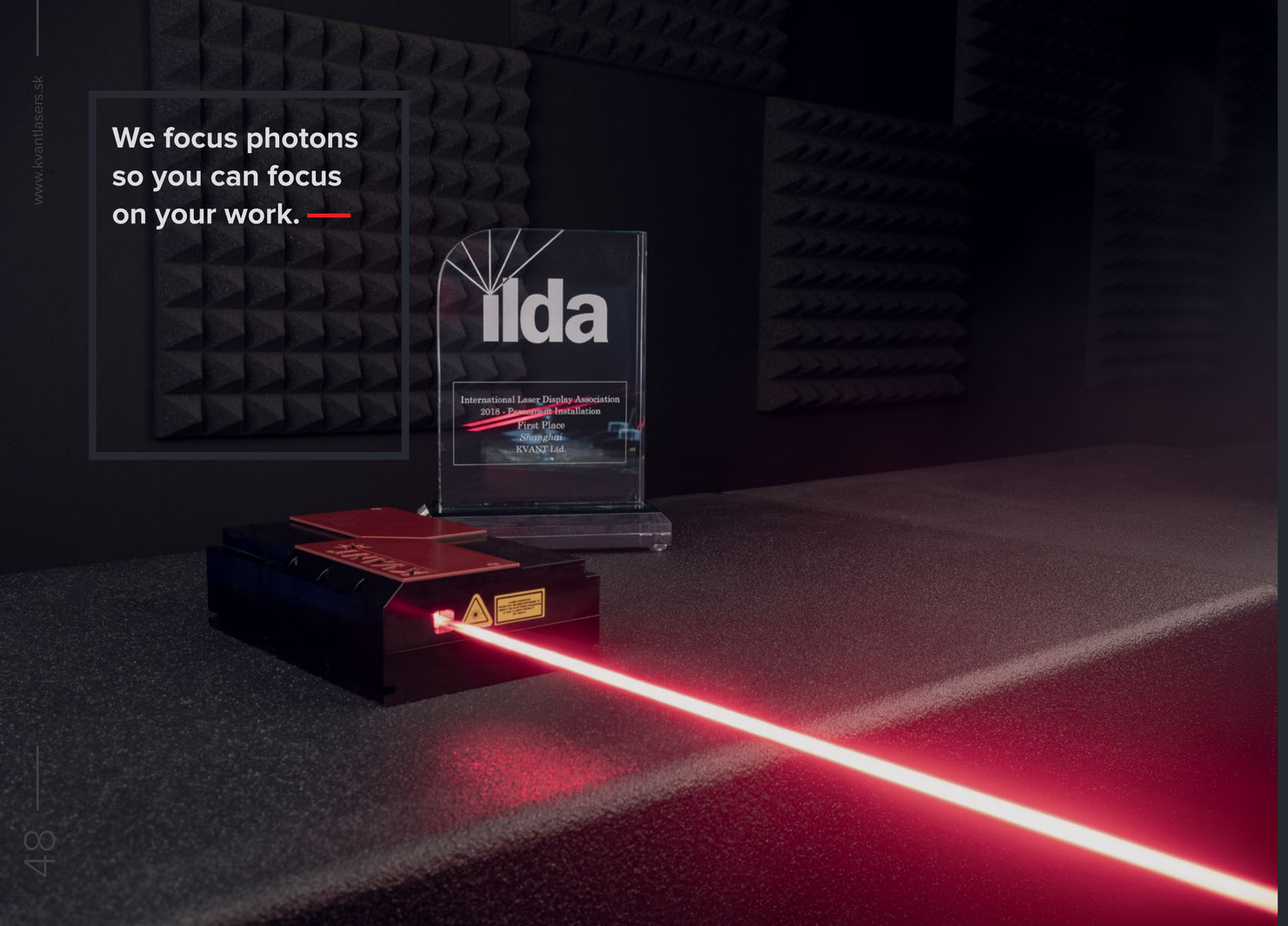
WHEN THE LASER BEAM IS REFLECTED OFF THE RETROREFLECTOR'S SURFACE, THE BEAM DIVERGENCE IS REDUCED.

in action: Architect

SHANGHAI TOWER

The Architect's beams bounced back with the Retroreflector are vivid enough to be visible even in daylight.

We focus photons
so you can focus
on your work.



Laser Modules

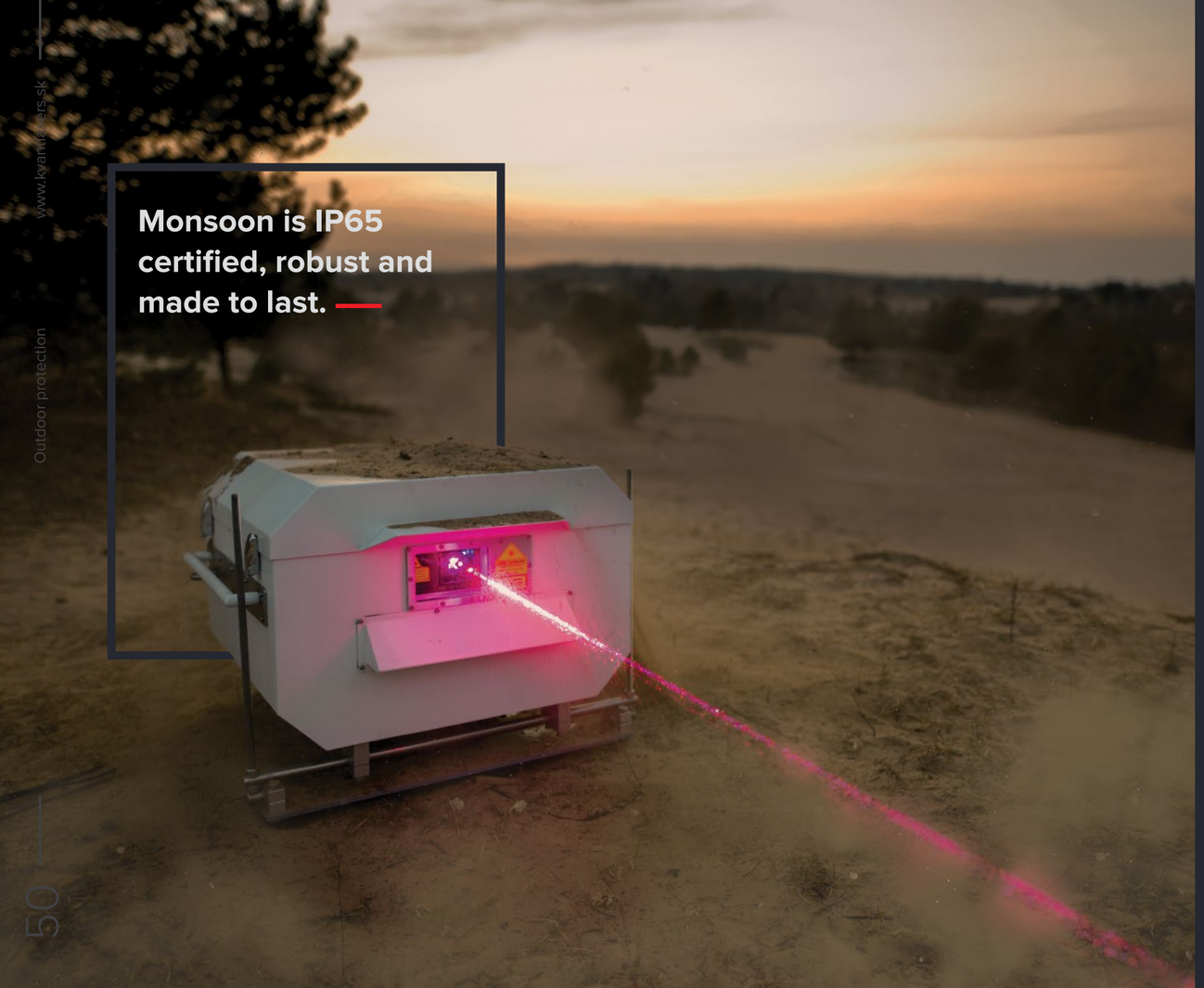
OUR MISSION IS TO ENSURE THAT A UNIFORM AND QUALITY BEAM COMES OUT OF EVERY KVANT LASER MODULE.

The core of any KVANT laser system is coherent light carefully shaped by a set of optical elements into its final form - a laser beam. The way this is done directly impacts what the audience will see when the show goes off.

The process of beam shaping sets the foundations of the whole system and defines how others will perceive your laser display performance. The amount of effort we put into refining this process was equal to climbing a Himalayan mountain. It was worth it, and the final results are as impressive as the view from the top of that mountain.

Our involvement in laser development for scientific, biomedical and educational purposes is also increasingly important. One of our recent achievements is a new generation of solid-state UV lasers.

Monsoon is IP65 certified, robust and made to last.



MANUFACTURED IN TWO SIZES, MONSOONS CAN ACCOMMODATE PRACTICALLY EVERY MODEL OF KVANT LASERS.

Monsoon

Clubmax & Atom | Spectrum

The Monsoon enclosure is uncompromising protection for delicate electronic equipment, such as Kvant laser display projectors. It is designed to protect the equipment from harsh environmental conditions and elements such as heat, cold, rain, snow, sand and dust.

Robust double-wall construction with a thick layer of quality insulation offers excellent performance. But for those places with extremely high temperatures, there's also a version with air-conditioning module available.

The fully automatic temperature control management ensures that protected equipment runs in ideal conditions and extends its life span.

Galvanised steel construction makes Monsoon suitable for permanent indoor & outdoor installations in almost any climate and environment.

Rain Cover

This 100% rain-proof cover is light, durable and compact when packed away.

We made this “coat” to protect your KVANT lasers from any kind of wet weather. It can be installed in seconds and is held securely so it doesn’t get blown away in the wind. It is beautifully manufactured from tough and tear resistant materials.

Laser Display Accessories

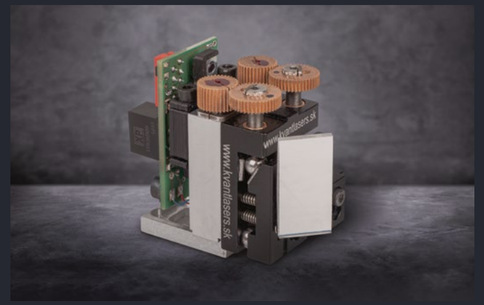
MOTORISED DICHROIC FILTERS

Easy Colour Alignment

Motorised dichroic filters offer a quick and easy colour (beam) alignment without needing to get into the laser system's optical compartment.

You can control the alignment with either a built-in FB4 interface, remotely via Pangolin Beyond, or manually in case of emergency.

Please note that for the control from Beyond software, a Beyond licence is required.



MIRRORS

Laser Beams in Many Unusual Ways

There are **two types of mirrors** that we manufacture. We can supply both of these types either with a simple bracket mount or with a precise adjustment mechanism that is very useful for long-distance targeting.

The front coated bounce mirrors are used to reflect the beams into desired positions. They are a great addition to any laser installation or show.

Diffraction mirrors create Star Burst or Finger Beam effect.

FB4-QS | EXTERNAL

Control Interface

FB4 is a hardware control platform from Pangolin that is set to take our industry to the next level. FB4 is a media server for your laser show, allowing you to control all projectors and show control parameters; and give you the ability to interface with other lighting and production equipment easily.

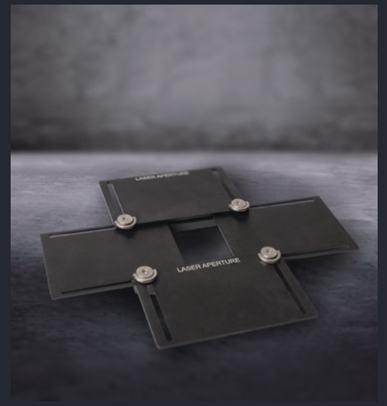
KVANT FB4 is a Pangolin FB4-MAX OEM board built into a stylish and robust enclosure.

DISCOSCAN LENS

Let's say that the default scanning angle of your KVANT system is too narrow for your needs. Here's the solution:

The DiscoScan lens widens the scanning angle of the system to half-spherical **360 degrees**, allowing you to fill the entire space of a nightclub or disco with beams from a single projector.

Our mounting bracket, which is sold separately, fits all current KVANT laser projectors.



4-WAY MASKING PLATE

This metal masking plate is made of four individual parts where each can be moved in a different direction when four locking bolts are loosened.

It is a handy safety addition, which gives you an option to limit the laser output within the required space physically. For example, if certain parts of the venue need to be avoided.

SAFETY LENSES

The lenses increase the divergence of the laser beam when scanning downward into the audience.

It allows you to create a stunning laser show and keep the beams projected into the audience at safer levels while not affecting the quality of overhead beams.

PROFESSIONAL AUDIENCE SAFETY SYSTEM

Use **PASS** for even greater laser safety. PASS is a safety device that helps monitor laser power, scanner signals and other projector-related parameters to ensure your laser show is safe.

PASS is primarily used to ensure the **safety** of audience scanning-style laser shows, where the laser beam comes in direct contact with people watching the show.

Signal Control

FLASHBACK 4 MULTI

The new FlashBack 4 Multi is a media server for your laser show, allowing you to control up to six projectors separately at once, as well as giving you the ability to easily interface with other lighting and production equipment.
This robust interface also includes a network switch for easy networking of multiple laser systems.

NETWORK SWITCH

This high-speed network switch allows up to 16 laser display systems or other devices connected to the network, making it quick and easy to set up even quite complex installations.
The Network Switch can be fitted inside a 1U rack on its own or in a bigger rack as part of a complete laser control system.

E-stop Splitter

Every new Kvant laser projector is supplied with a quality E-STOP system. Still, in some situations, you may need to control the E-STOP signal from various positions within the setup and/or manage more lasers that are split into multiple groups.

The new 8-output or 12-output E-STOP splitter box offers so many ways how the E-STOP signal can be spread across all the Kvant lasers in a given setup. The splitter box distributes the signal in a parallel way, making it possible to connect a virtually unlimited number of laser projectors and control them at once/or per group. Each splitter has two E-STOP remote inputs, which allows for two E-STOP remote positions (a.i. FOH and stage) per setup or sub-group. E-STOP splitter gives you a virtually unlimited number of ways how the e-stop signal can be routed.

E-STOP splitter gives you a virtually unlimited number of ways how the E-STOP signal can be routed.

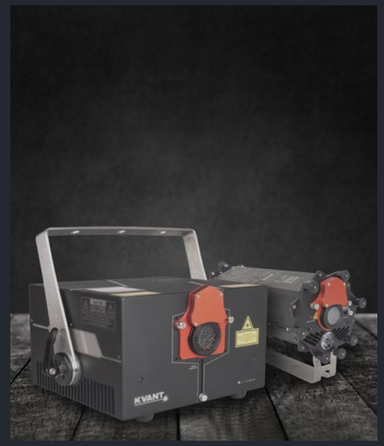
Special **Effects**

Clubmax 10 FB4 and Clubmax 15 FB4, both fitted with the MicroWheel grating set

DUAL OPTICAL BENCH

Atom & Spectrum

Dual Optical Bench adds to your laser projector 6 amazing grating effects and two empty slots for gratings of your choice. There is also a zero-position space that is used for standard scanning performance. All these effects are fitted into two contra-directional gobo wheels, which are controlled separately via DMX.



MICROWHEEL GRATING SET

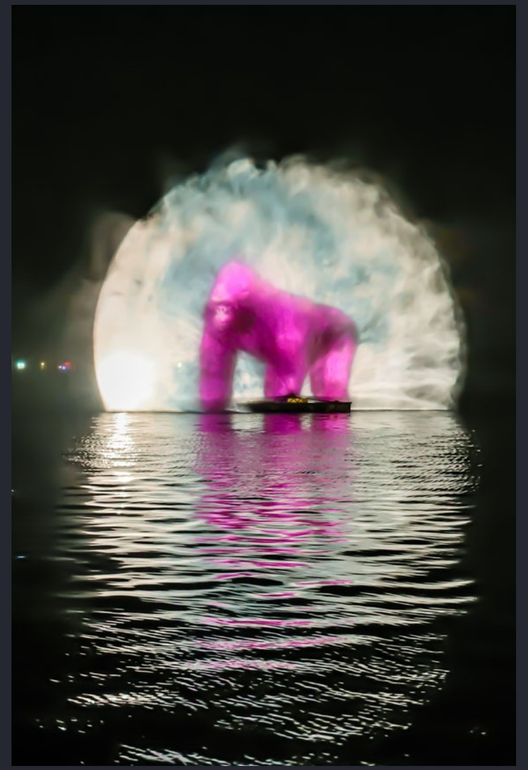
Burstberry I Clubmax 10 & 15 FB4

The new MicroWheel grating assembly is the latest addition to our range of optical benches that we offer for nearly every single laser display system in the portfolio.
The MicroWheel is essentially a rotating grating effect, that is controlled with DMX. It's possible to control its rotation to the left and right and also the speed of the rotation.

SINGLE GOBO WITH GRATINGS

Clubmax FB4 series

The single-gobo Optical Bench adds to your laser projector 3 amazing grating effects and an empty slot for a grating of your choice. There is also a zero-position space that is used for standard scanning performance.



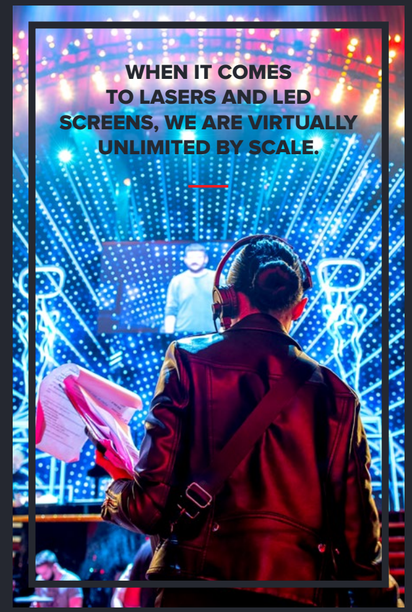
Water Screens

The video and laser projections onto water screens can be a powerful addition to any multimedia show.

We offer two types of water screens:

Curtain - straight 3 meter long segments with single or triple nozzle lines create a curtain of water drops. It is suitable for indoor installations.

Shield - the water discharged under high pressure forms a half-spherical water wall which is great for outdoor applications on lakes, rivers and outdoor pools. The size of a projection surface is approx. 25 x 10 meters (W x H).



Equipment Hire Services

It is only rational that a manufacturer like us will provide you with more flexibility and support when it comes to hiring the equipment than you would get from elsewhere. Of course, the prices are likely to be lower too, which always helps everyone.

We are the manufacturer, so we can deliver what others may not be able to. And if you'll need help with hired equipment, you can call us 24/7.

There's always someone within our worldwide network who will be able to assist you efficiently.

Here at Kvant, we are on your side. We will treat you with modesty and fairness, and yes - we expect the same from you.

If there's not enough in our hire stock, we can build more. If comparable is cheaper elsewhere, we can offer better, and if you need something unusual, we may be able to fulfil your needs.

Show Production Services

Our show production career started with laser shows, which is understandable.
But we decided not to stop there and went further. As a result, we continuously add more entertainment elements into our arsenal and gain all the valuable experience.

DURING THE PAST 25 YEARS OF OUR INCREASINGLY SUCCESSFUL EXISTENCE, WE EXPLORED MANY VISUAL ENTERTAINMENT AND ART TYPES, WHICH HELPED US GO FURTHER AND BEYOND.

Our show production division has grown into an award-winning multimedia production team. We received dozens of prestigious ILDA awards, and that is only in the last five years! Laser displays, 3D video and laser mapping, holographic projections, fireworks and water shows. You name it; we've done them all - energising, vibrant and evoking true inspiration.

The most beautiful thing about all this is that even after the many events we have participated in, we still love doing it. We still treat every new project with the same importance, showing an exemplary attitude and professionalism.

Award-winning show production services.

Clubmax 2000

Beam size (mm)	5.2x4.5
Beam divergence	< 0.58 mrad (full angle)
RGB output (mW)	340 | 700 | 1200
Guaranteed output power	2W
Dimensions (mm)	339 | 168 | 270
Wavelength (nm)	R/637 G/520 B/445
Weight (kg)	8.5
System control	ILDA
Scanners, max.scan. angle	ScannerMAX up to 40 Kpps@8˚, 60˚ SATURN1 60 Kpps@7˚, 60˚

Clubmax 2000 FB4

5.2x4.5
< 0.58 mrad (full angle)
340 | 700 | 1200
2W
339 | 168 | 270
R/637 G/520 B/445
8.5
ILDA | Ethernet | ARTNET | DMX | SD
ScannerMAX up to 40 Kpps@8˚, 60˚ SATURN1 60 Kpps@7˚, 60˚

Clubmax 3000 FB4

4.5x4.5
< 0.6 mrad (full angle)
680 | 900 | 1500
3W
339 | 168 | 270
R/637 G/520 B/445
8.8
ILDA | Ethernet | ARTNET | DMX | SD
ScannerMAX up to 40 Kpps@8˚, 60˚ SATURN1 60 Kpps@7˚, 60˚

Clubmax 3400 FB4

4.5x4.5
< 0.63 mrad (full angle)
1000 | 900 | 1500
3.4W
339 | 168 | 270
R/637 G/520 B/445
8.8
ILDA | Ethernet | ARTNET | DMX | SD
ScannerMAX up to 40 Kpps@8˚, 60˚ SATURN1 60 Kpps@7˚, 60˚

Clubmax 6000 FB4

4.5x4.5
< 0.63 mrad (full angle)
1360 | 1800 | 3000
6W
339 | 168 | 353
R/637 G/520 B/445
11.6
ILDA | Ethernet | ARTNET | DMX | SD
ScannerMAX up to 40 Kpps@8˚, 60˚ SATURN1 60 Kpps@7˚, 60˚

Clubmax 6800 FB4

Beam size (mm)	4.5x4.5
Beam divergence	< 0.63 mrad (full angle)
RGB output (mW)	2000 | 1800 | 3000
Guaranteed output power	6.8W
Dimensions (mm)	339 | 168 | 353
Wavelength (nm)	R/637 G/520 B/445
Weight (kg)	11.6
System control	ILDA | Ethernet | ARTNET | DMX | SD
Scanners, max.scan. angle	ScannerMAX up to 40 Kpps@8˚, 60˚ SATURN1 60 Kpps@7˚, 60˚

Clubmax 10 FB4

5x4.5
< 0.9 mrad (full angle)
2500 | 2800 | 4500
9.7W
339 | 168 | 353
R/637 G/520 B/445
13
ILDA | Ethernet | ARTNET | DMX | SD
ScannerMAX up to 40 Kpps@8˚, 60˚ SATURN5 48 Kpps@7˚, 60˚

Clubmax 15 FB4

5x5
< 1 mrad (full angle)
5000 | 3800 | 6000
14.8W
339 | 168 | 389
R/637 G/520 B/445
16
ILDA | Ethernet | ARTNET | DMX | SD
ScannerMAX up to 40 Kpps@8˚, 60˚ SATURN5 48 Kpps@7˚, 60˚

Burstberry

5.2x4.5
< 0.58 mrad (full angle)
340 | 700 | 1200
2W
171 | 171 | 359
R/637 G/520 B/445
3.8
Ethernet | ARTNET
ScannerMAX up to 28 Kpps@8˚, 60˚

Berry Lite

6x5
< 1.58 mrad (full angle)
1200 | 1700 | 2400
5.1W
171 | 171 | 359
R/637 G/520 B/445
3.8
Ethernet | ARTNET
ScannerMAX up to 35 Kpps@8˚, 50˚

BeamBrush 3000

Beam size (mm)	4.5x4.5
Beam divergence	< 0.6 mrad (full angle)
RGB output (mW)	680 | 900 | 1500
Guaranteed output power	3W
Dimensions (mm)	339 | 168 |382
Wavelength (nm)	R/637 G/520 B/445
Weight (kg)	8.8
System control	ILDA | Ethernet | ARTNET | DMX | SD
Scanners, max.scan. angle	ScannerMAX up to 40 Kpps@8˚, 60˚ SATURN1 60 Kpps@7˚, 60˚

BeamBrush 6800

4.5x4.5
< 0.64 mrad (full angle)
2000 | 1800 | 3000
6.8W
339 | 168 | 382
R/637 G/520 B/445
11.6
ILDA | Ethernet | ARTNET | DMX | SD
ScannerMAX up to 40 Kpps@8˚, 60˚ SATURN1 60 Kpps@7˚, 60˚

BeamBrush 10

4.5x4.5
< 0.9 mrad (full angle)
2500 | 2800 | 4500
9.7W
339 | 168 | 382
R/637 G/520 B/445
13
ILDA | Ethernet | ARTNET | DMX | SD
ScannerMAX up to 40 Kpps@8˚, 60˚ SATURN5 48 Kpps@7˚, 60˚

BeamBrush 35

6×6.5
<1.6mrad (beambrush inactive)
7500 | 10500 | 20000
38W
510 | 273 | 396
R/638 G/525 B/455
30
ILDA | Ethernet | ARTNET | DMX | SD
Saturn 9, 30kpps@7˚, 40˚

Atom 20

Beam size (mm)	6x7
Beam divergence	1 mrad (full angle)
RGB output (mW)	6000 | 6000 | 8000
Guaranteed output power	20W
Dimensions (mm)	491 | 310 | 396
Wavelength (nm)	R/637 G/525 B/455
Weight (kg)	31
System control	ILDA | Ethernet | ARTNET | DMX | SD
Scanners, max.scan. angle	Juno 5 35 Kpps@8˚, 60˚

Atom 30

7x7
1 mrad (full angle)
7500 | 10000 | 13000
30W
491 | 310 | 396
R/637 G/525 B/455
31
ILDA | Ethernet | ARTNET | DMX | SD
Juno 5 35 Kpps@8˚, 60˚

Atom 42

Beam size (mm)	7x7
Beam divergence	1 mrad (full angle)
RGB output (mW)	9000 | 13000 | 20000
Guaranteed output power	42W
Dimensions (mm)	491 | 310 | 396
Wavelength (nm)	R/637 G/525 B/455
Weight (kg)	31
System control	ILDA | Ethernet | ARTNET | DMX | SD
Scanners, max.scan. angle	Juno 5 35 Kpps@8˚, 60˚

Spectrum 33 RYGB

6x6
0.6 mrad (full angle)
7000 | Y:5000 | 10000 | 11000
33W
491 | 310 | 396
R/637 Y/577 G/532 B/445 + 460
31
ILDA | Ethernet | ARTNET | DMX | SD
Juno 5 40 Kpps@8˚, 60˚ SATURN5 48 Kpps@7˚, 50˚

Spectrum 30 ROGB

Beam size (mm)	7x7
Beam divergence	0.6 mrad (full angle)
RGB output (W)	R/6 O/4 G/10 B/11
Guaranteed output power	29W
Dimensions (mm)	491 | 310 | 396
Wavelength (nm)	R/637 O/590 G/525 B/462+445
Weight (kg)	31
System control	ILDA | Ethernet | ARTNET | DMX | SD
Scanners, max.scan. angle	Juno 5 35 Kpps@8˚, 60˚ SATURN5 48 Kpps@7˚, 50˚

Spectrum 45 RYGB

10x10
0.8 mrad (full angle)
R/9 Y/5 G/13 B/18
45W
491 | 310 | 396
R/637 Y/577 G/525 B/445
31
ILDA | Ethernet | ARTNET | DMX | SD
SATURN9 30 Kpps@7˚, 40˚

Logolas 2000

Beam size (mm)	4.5x5.2
Beam divergence	<0.58mrad (full angle)
RGB output (mW)	340 | 700 | 1200
Guaranteed output power	2W
Dimensions (mm)	377 | 282 | 600
Wavelength (nm)	R/637 G/520 B/445
Weight (kg)	21
System control	Ethernet | ArtNet | SD (FB4)
Scanners, max.scan. angle	ScannerMAX up to 40 Kpps@8˚, 60˚ SATURN1 60 Kpps@7˚, 60˚

Logolas 3000

4.5x4.5	
<0.53mrad (full angle)	
680 | 900 | 1500	
3W	
377 | 282 | 600	
R/637 G/520 B/445	
21	
Ethernet | ArtNet | SD (FB4)	
ScannerMAX up to 40 Kpps@8˚, 60˚ SATURN1 60 Kpps@7˚, 60˚	

Logolas 6000

4.5x4.5	
< 0.53 mrad (full angle)	
1360 | 1800 | 3000	
6W	
377 | 282 | 600	
R/637 G/520 B/445	
21	
Ethernet | ArtNet | SD (FB4)	
ScannerMAX up to 40 Kpps@8˚, 60˚ SATURN1 60 Kpps@7˚, 60˚	

Logolas 10

Beam size (mm)	5x4.5
Beam divergence	< 0.9 mrad (full angle)
RGB output (mW)	2500 | 2800 | 4500
Guaranteed output power	9.7W
Dimensions (mm)	377 | 282 | 600
Wavelength (nm)	R/637 G/520 B/445
Weight (kg)	21
System control	Ethernet | ArtNet | SD (FB4)
Scanners, max.scan. angle	ScannerMAX up to 40 Kpps@8˚, 60˚ SATURN5 48 Kpps@7˚, 60˚

Logolas G10 OPSL

5	
< 1 mrad (full angle)	
- | 10000 | -	
10W	
377 | 282 | 600	
G/520	
21	
Ethernet | ArtNet | SD (FB4)	
Juno 5 up to 40 Kpps@8˚, 60˚ SATURN5 48 Kpps@7˚, 50˚	

Architect W270B

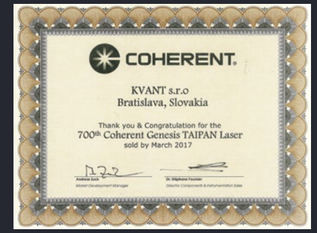
Beam size (mm)	250 x 880 or custom
Beam divergence	3.2mrad (full angle) or custom
RGB output (W)	112 | 96 | 64
Guaranteed output power	270W
Dimensions (mm)	1069 | 363 | 540
Wavelength (nm)	R/637 G/520 B/450
Weight (kg)	60
System control	Analog 0-5 Volts or DMX
Scanners, max.scan. angle	-

Architect W660B

390 x 1350 or custom	
10mrad (full angle) or custom	
269 | 224 | 168	
660W	
1069 | 363 | 540	
R/637 G/520 B/450	
130	
Analog 0-5 Volts or DMX	
-	

Architect W900B

460 x 1450 or custom	
10mrad (full angle)	
365 | 305 | 230	
900W	
1069 | 363 | 540	
R/637 G/520 B/450	
160	
Analog 0-5 Volts or DMX	
-	



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