

2020

PRODUCT CATALOGUE

**KVANT**<sup>®</sup>



# Conte

CONTENTS

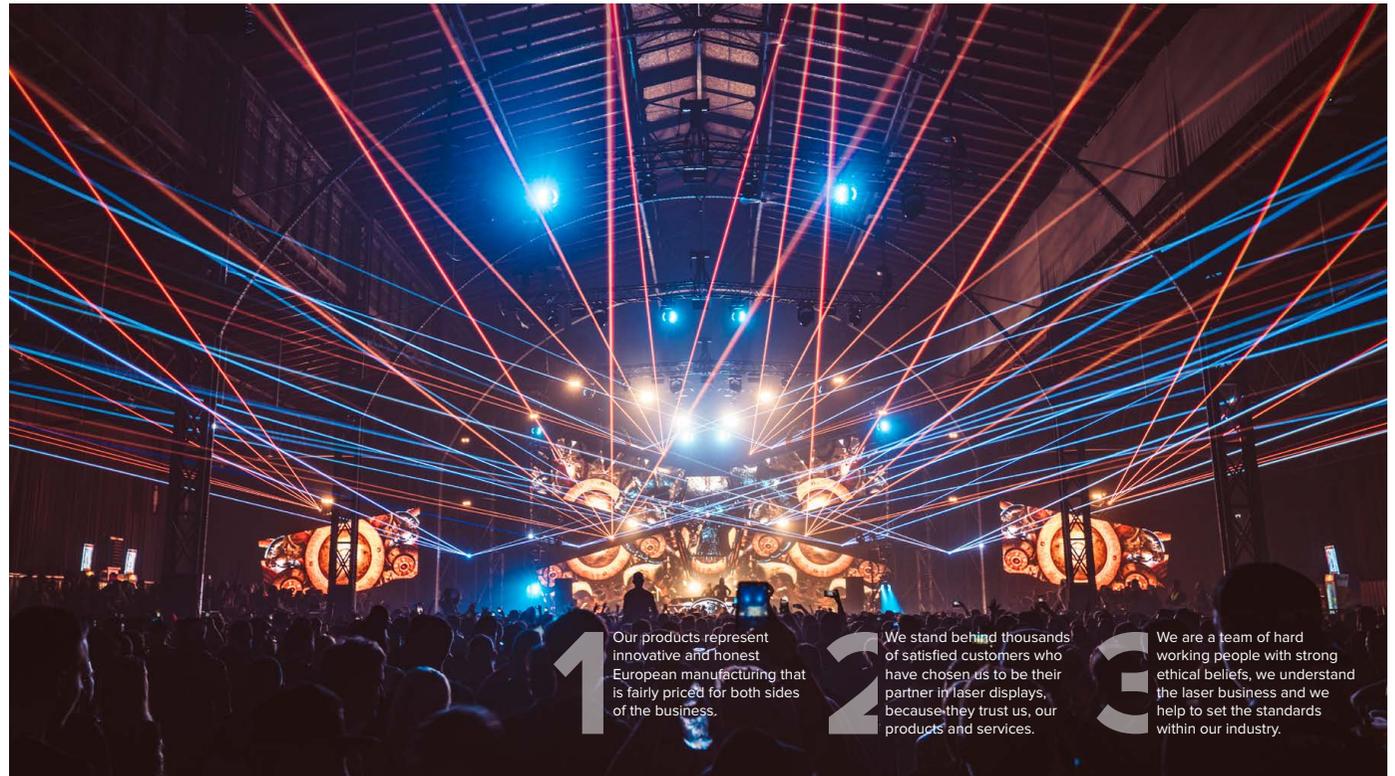
About Us	2
Clubmax FB4	4
Clubmax 2000	10
Burstberry	12
Laser-LED Bar	14
Atom	18
Spectrum	20
Spectrum OPSL	24
Spectrum RGBY	28
LD series	30
Logolas	34
Maxim	36
Architect	38
Retroreflector Array	40
Laser Modules	44
Laser Display Accessories	46
Equipment Hire Services	48
Show Production Services	58
Laser System Specifications	60

# WE ARE KVANT!

KVANT company was established in 1995 and ever since we have been continuously developing and manufacturing professional laser display systems for the entertainment sector with 100% commitment to our customers.

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

Our Award-winning, multimedia show production team operates world-wide and our LED displays department holds a stock of over 1,000 sqm of LED screen available for immediate hire.



1

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

2

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

3

We are a team of hard working people with strong ethical beliefs, we understand the laser business and we help to set the standards within our industry.



Practical  
self-contained  
design and tough  
construction



# Clubmax FB4

2000 | 3000 | 3400 | 6000 | 6800 | 10 | 15

clubmax

BASED ON THE LATEST  
INNOVATIONS, CURRENT  
DESIRES AND NEEDS OF LASER  
DISPLAY PROFESSIONALS  
AROUND THE WORLD.

**The Clubmax FB4 is set to be  
the benchmark for others.**

Our latest Clubmax FB4 is simply spectacular. The device on its own has been crafted to perfection following Kvant's core philosophy of continuous improvement. The performance and new smart features are what will impress your audience the most.

**Clubmax 15 FB4 is the most powerful Clubmax!** It offers a lot of power in a reasonably compact housing and beam properties that make it very efficient for all large size indoor venues and even medium outdoor stages. It comes with a built-in FB4 control interface that allows you to control the laser in many ways, including from a PC or a lighting console.

The new MicroWheel DMX controlled grating effect is available for the two most powerful Clubmax systems, the CM-10 and CM-15.

A FEW NICE TOUCHES THAT  
DISTINGUISH US FROM  
OTHERS AND HELP  
YOU TO SUCCEED

- Attractive design and tough construction.
- **Integrated 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. These colour settings are stored in internal system memory of each Clubmax, meaning you always get

the same colours from all Clubmax lasers, no matter what control interface you use.

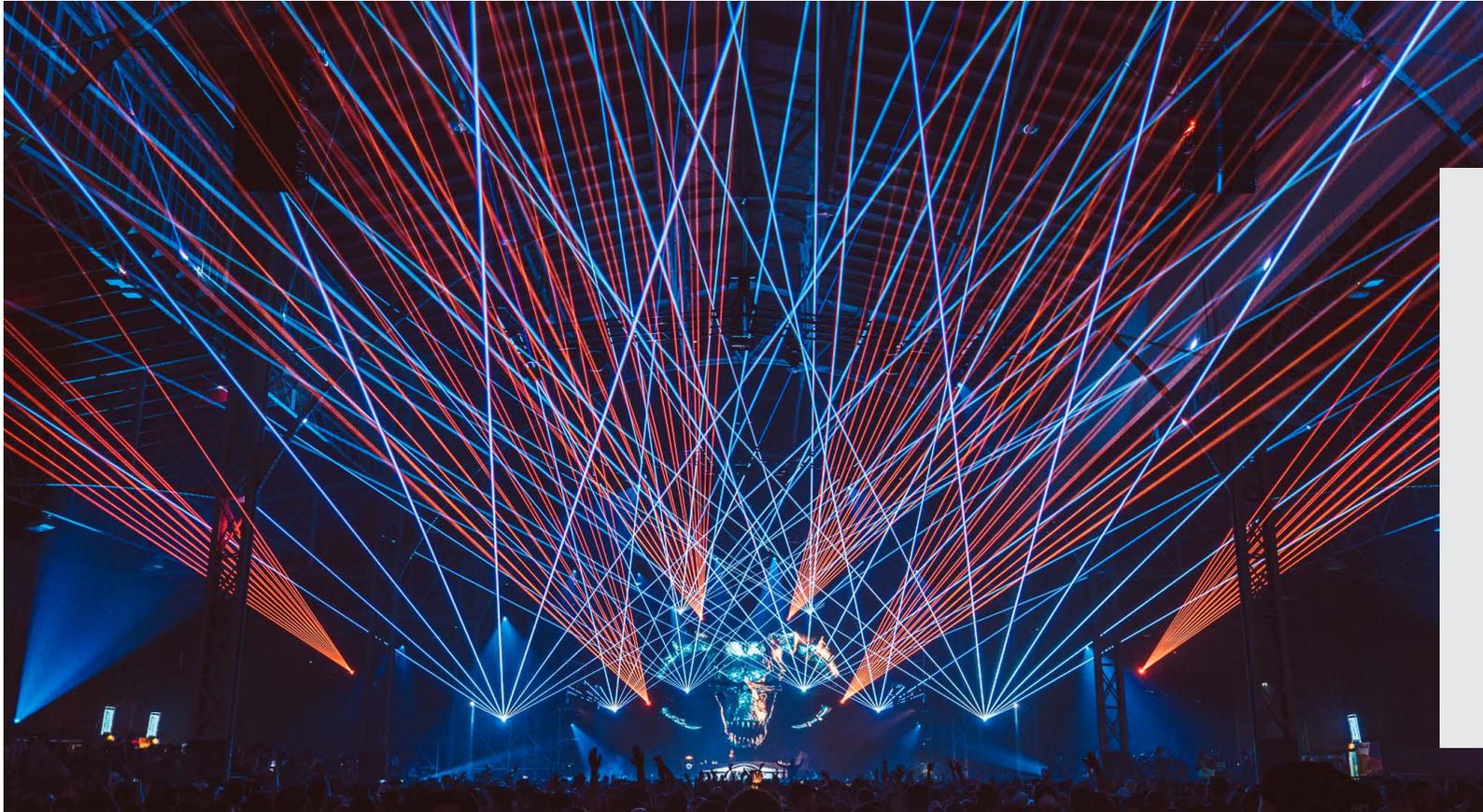
- **Sophisticated scan-fail** and system safety with advanced power supply monitoring and DMR (*in reliability engineering, dual modular redundancy (DMR) is a system with duplicated components, providing redundancy in case one should fail.*)
- **E-STOP** circuit keeps the inbuilt control interface running even if the E-STOP button is activated, ensuring very short restart time of the laser display performance (*optional feature*).
- DMX controlled **Optical Bench** with four effects (*optional feature*).



clubmax

Clubmax comes  
with a full range  
of professional  
features





▲ Masters of Hardcore / 2020

## THE MASSIVE **ENERGY!**

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

We used 10x Kvant Clubmax 10W lasers, 20x laserbars, 4x Sparkular Fountains, 4x Sparkular Falls controlled by Pangolin Systems Beyond and GrandMA 3.



# Clubmax 2000

## and Accessories

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

The level of interest, number of sales and all the buzz about Clubmax proved we hit the nail on the head. It became so popular that inevitably many illegal and unreliable copies flooded the market.

The Clubmax lasers are a radically simple solution for anything from several thousand people raves to the smallest private clubs and cosy venues. Developed with regard to challenging clubbing environments the

# Clubmax

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.

The Clubmax 2000 is the basic model into the world of professional laser displays. Built into the latest housing of Clubmax series it comes packed with the latest laser technology.



Indoor laser displays and laser graphics



▲ Easy to swap aperture window allows to fit **DiscoScan 2.0** bracket with the lens for wide angle 360° scanning.

▲ **SafetyScan** lens with mounting bracket for enhanced laser safety.

▲ **Modular FB4** laser control interface provides communication via Ethernet and ArtNet protocols.

# Burstberry

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.



ALLOWING YOU  
TO CREATE NEW  
TYPES OF EFFECTS  
NEVER SEEN  
BEFORE





Enrique Iglesias, Bratislava / 2019

## GO BIG WITH YOUR **SHOW!**

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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.

# Laser-LED Bars

Laser bars have become **very popular** during the last few years and so we have them in our portfolio too. To develop one is not rocket science and there are many of them available on the market. So instead of re-developing and manufacturing them, we have selected for you the best ones we could find and thoroughly tested them so they are 100% before they get to you.

The Laser-LED bars we offer feature powerful **red** or **green** laser beams in combination with 3W warm-white LED blinders. The Laser-LED bar is controlled via DMX512 or alternatively by auto or sound mode.

Using several Laser-LED bars within an installation will create some **heavy impact effects** and comes with virtually limitless number of different chases that can be performed.



# ATOM

## Atom

9HPS | 20 | 30



We officially launched our first semiconductor (Pure Diode) laser system back in 2011 in Birmingham, UK. Today's ATOM series combines the most current Pure Diode laser technology with advanced design features of our flagship Spectrum systems. Many times our ATOMs showed their potential in power demanding

applications whilst we manage to keep the purchase costs at a reasonable level. ATOM means confidence of investment in the days of fast technological changes.

When cost and performance are in perfect balance

## ASTONISHING MULTIMEDIA DISPLAYS

The laser display scene began with some architectural mapping of the lines of the building and slowly morphed into a technical drawing. Then some atmospherical laser effects were added to the show and at the same time, Heluz company logo was projected onto the building.

Used laser display equipment:  
2x KVANT Spectrum 30  
2x KVANT Spectrum 20  
5x KVANT Atom 12



Equally powerful,  
30% smaller



# Spectrum

## Spectrum

20 | 25 | 30

OUR SPECTRUM MADE US FAMOUS  
WITHIN THE INDUSTRY AND HAS  
BECOME AN ICON BETWEEN  
PROFESSIONALS AND BIG  
PRODUCTIONS. HERE'S THE NEW  
ONE TO RULE THE WORLD!

WHEN FINEST  
IS THE ONLY WAY  
FORWARD

Our long time classic - the Spectrum series. Always being the most popular within the high power range of KVANT lasers. So here is the new version of our proven and improved design that incorporates our cutting edge technology.

The 2019 Spectrum is a sophisticated tool for your journey towards large and successful laser displays, while being approx. 30% smaller in size than its predecessor.

All Spectrum systems are certified for TUV Laser Safety.

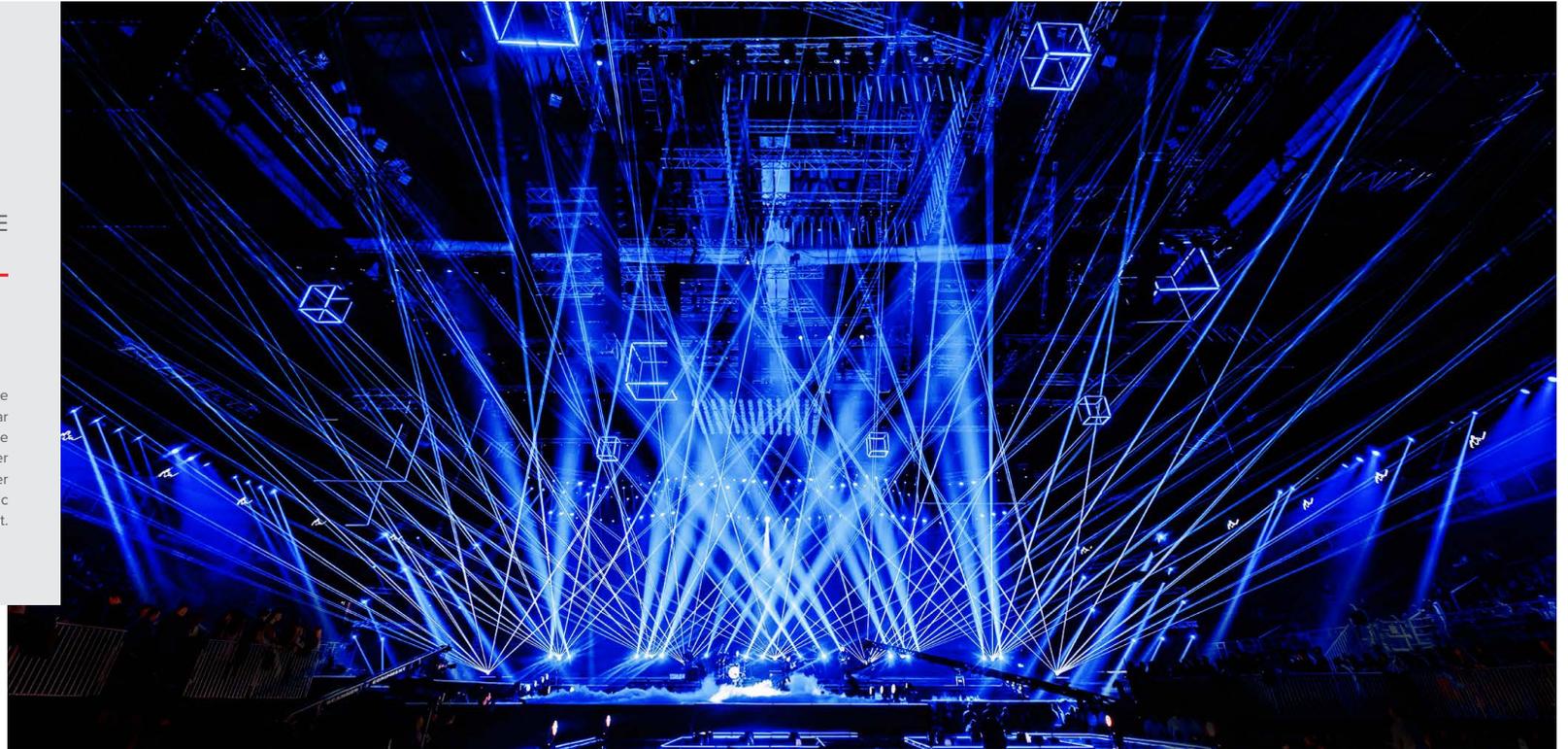
**The Main Features Include:**

- 40 Kpps CT6215H scanning as standard, 50 Kpps Saturn5 on request
- Motorised dichroic filters for quick and easy colour alignment controlled via Pangolin Beyond (optional)
- Integrated FB4 control interface - native control from lighting consoles via ArtNET and DMX

## LASERS & BIG STAGE

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Music Awards Ceremony, the winner of the prestigious Best Event Awards, this year organised an even more creative and innovative show in Belgrade, Serbia. The biggest laser show in the region provided by KSP together with kinetic show in cooperation with Sky Music made it a memorable and spectacular night.



# Spectrum

OPSL 10 & 14

BEST  
CHOICE FOR  
HD LASER  
GRAPHIC

Nothing compares to the Spectrum OPSL models when it comes to **high speed graphical performance**. The combination of our know-how, craftsmanship and Coherent OPSL HD technology are what make this laser series unbeatable in many ways.

These systems feature a true TEM00 beam profile which offers the best possible beam characteristics for graphical laser displays.

**Razor sharp beams** and super fast 90 Kpps scanning delivers superb graphical performance which we believe will impress even the most demanding users.

Spectrum



Outdoor laser  
graphics

#### Main features:

- Ultra low beam divergence (0.35 mrad at full angle)
- 90kpps Saturn1 scanning
- Motorised dichroic filters for quick and easy colour alignment controlled via Pangolin Beyond (optional)
- Integrated FB4 control interface - native control from lighting consoles via ArtNET and DMX



### Additional yellow OPSL module



#### The Main Features Include:

- RGB + **5 W/577nm yellow** OPSL module
- 40 Kpps CT 6215H scanning as standard, 50 Kpps Saturn5 on request
- Motorised dichroic filters for quick and easy colour alignment controlled via Pangolin Beyond (optional)
- Integrated FB4 control interface - native control from lighting consoles via ArtNET and DMX

# RGBY Laser Projectors

Atom 14 HPS RGBY | LD 33 Atom RGBY  
Spectrum 25 RGBY | Spectrum 33 RGBY

The RGBY systems come with every single technological advantage of our iconic top of the range Spectrum series lasers. In addition to these, they are fitted with **5 Watts of 577nm yellow OPSL module**. This greatly intensifies the brightness and vibrancy of many colours the systems are able to output.

The new 25W and 33W Spectrum RGBY lasers offer the level of performance that is hard to beat at their price point. The LD "Low Divergence" version of these two systems is simply the best we have on offer, and you will find more information about them later on in this catalogue.

**The latest RGBY additions to Atom series** also offer a fantastic colour range, scanning precision and professional features at unbeatable prices.

MORE POWER  
FOR EVERY SHOW

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

*Photo by Digitlight.*





# LD Series

## Atom & Spectrum



"LD" or so called Low Divergence "upgrade" affects the laser beam so it is bit thicker at the source, but much more coherent further away.

And that makes it more than twice as bright and visible at distance when compared to standard systems.

LD upgrade is available for some of the Atom and all Spectrum series systems. And because here we use the state of the art Saturn scanning system, the high speeds and precision of scanning is sustainable even with thicker beams. We are planning to extend this upgrade to some other lasers soon.



**An easy way  
to become the  
brightest**

### The Main Features:

- LD is twice as bright as ordinary laser display system
- LD offers less than 0.5 mrad laser beam divergence, measured at full angle
- LD has fast and precise Saturn9 scanning
- LD option is available for Atom 20, Atom RGBY and all Spectrum series laser systems

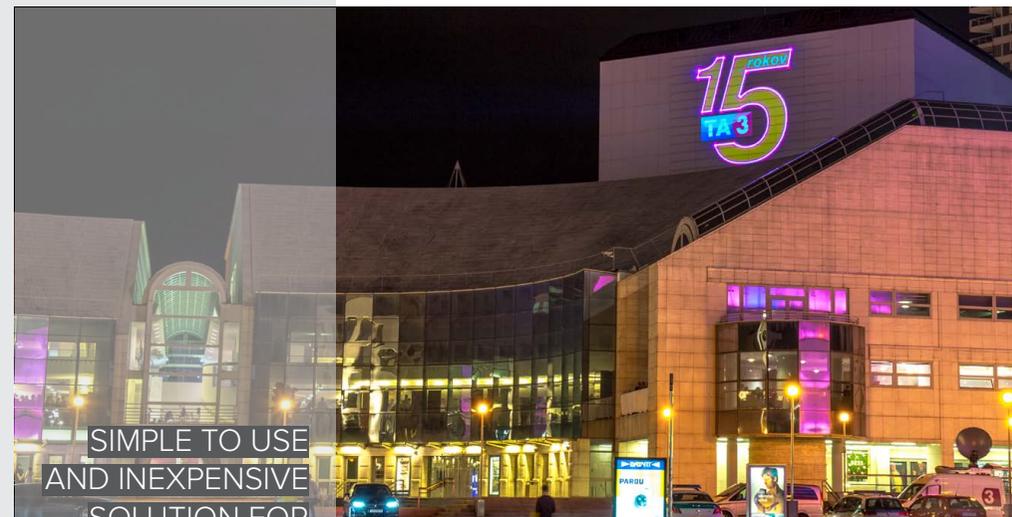
# Logolas

2000 | 3000 | 6000 | G10 OPSL



The full colour laser system is enclosed in a **rainproof** casing and controlled by a specially tuned version of the inbuilt **FB4 control interface** that holds all necessary animations loaded onto the SD card. Each unit is equipped with an internal heating element so it can be used in subzero temperatures even during some cold winter nights. By using Logolas you can turn virtually any flat surface into a billboard that after dusk will outshine any other type of advertising and whose content can be changed

as often as required. The ScannerMax SM-506 scanning system utilised in Logolas runs at 40 Kpps which is fast enough for any basic laser graphics, text or animations. The optional Saturn1 90 Kpps scanning turns any Logolas into the **ultimate graphical laser display system**. The latest additions are full colour Logolas 6000 and Logolas G10 OPSL - a powerful green OPSL based system.



SIMPLE TO USE  
AND INEXPENSIVE  
SOLUTION FOR  
OUTDOOR  
ADVERTISING

15th anniversary of TA3 / 2016

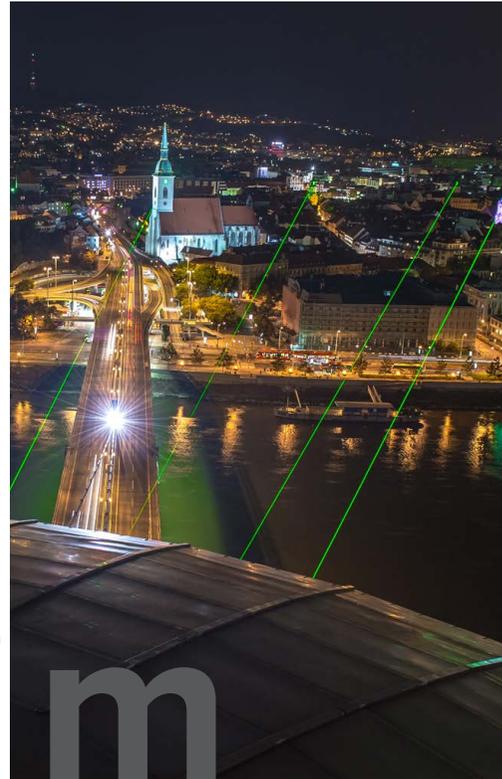
Get your message out there!  
Neon-like laser text and graphics will catch people's attention and get you noticed.



As simple and effective as it can possibly be



# Maxim



## Maxim

G3600 | G10 | G20

Our iconic Maxim series went through dozens of changes over the years but the core remains the same - a quality laser source with laboratory grade optics wrapped in a robust aluminium shell for confidence and peace of mind.

There's no need to say more, except maybe that the three basic models G900, G1800 and G3600 are built in the smallest laser housing we commercially manufacture.

# Architect

55 W | W270B | W660B | W900B

# Architect



The new Architect range of high-power static-beam lasers (sometimes called sky lasers or landmark lasers) is our reaction to globally increasing demand for super-bright lasers. These 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.

Furthermore the Architect can be supplied with automatic laser beam tracking and targeting system that keeps the beam pointing at the exact spot at all times regardless of any movement of the buildings etc.

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



RELIABLE AND DURABLE SOLUTION  
FOR PERMANENT OUTDOOR  
INSTALLATIONS

## ARCHITECT W270B

This **powerful** full colour single beam laser display system was developed for architectural and sky-lighting applications.

Thanks to our own patented **diode laser technology** and purposefully overrated design and construction of this unit you have a reliable and durable solution for permanent outdoor installations.





## Outdoor Retroreflector Array

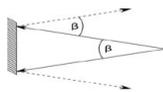
The outdoor retroreflector array is used to reflect a laser beam back towards the source.

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 reflected beam is significantly reduced.

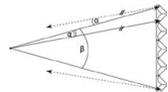
The surface of the entrance window is coated with an anti-reflective coating. The reflective surface covers 90.7% of the retroreflector's aperture and with aluminium coating on all the individual elements the total reflectivity is as high as 84.5%.

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

When the laser beam is reflected off planar mirror the beam divergence remains the same.



When the laser beam is reflected off retroreflector's surface the beam divergence is reduced.





We focus the light so  
you can focus on your  
performance



## Laser Modules

OUR MISSION IS TO ENSURE THAT  
A UNIFORM AND QUALITY BEAM  
COMES OUT OF EVERY KVANT LA-  
SER 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 has a direct impact on what the audience will see when the show goes off.

The process of beam shaping sets the foundations of the whole system and determines how your laser display performance will be perceived by others. 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 beautiful as the view from the top.

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 which will replace current gas lasers.

# Laser Display Accessories

## MIRRORS

There are **two types** of mirrors that we manufacture. Both of these types can be supplied either with a simple bracket mount or with a precise adjustment mechanism that is useful for long distance targeting.

**The front coated bounce mirrors** are used to reflect the beams into desired positions and are a great addition to any laser installation or show. **Diffraction mirrors** are used to create Star Burst or Finger Beam effects.



**DISCOSCAN**  
Lens

In a disco or nightclub you often want beams to fill the whole space, but it can be difficult to achieve with the limited scan angle of most scanning systems.

**The solution** is the DiscoScan lens. A super-wide angle lens designed specifically for laser projectors.

With our mounting bracket it is directly compatible with all modern KVANT laser projectors.



**KVANT FB4 STAND-ALONE**  
Control Interface

FB4 is a new network 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 projector and show control parameters, as well as giving you the ability to easily interface with other lighting and production equipment.

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



**KVANT FB4**  
Quick Connect Control Interface

This rigid interface is compatible with all KVANT ClubMax series systems and also with Maxim series lasers G900 - G3600.

Modular FB4 Quick Connect control systems works over the Ethernet and ArtNet communication protocols.

There's also a SD memory card slot inbuilt for storing your laser effects which can be then played over the ArtNet or DMX from any modern lighting desk without using a PC.

The interface is powered directly from the laser system and comes with laser control software and SD memory card as standard.



# Rain COVER

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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.

Prolight & Sound Exhibition  
2016



### 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.



### 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.

This is an extremely useful safety addition which gives you an option to limit the laser output area exactly as required (for example if certain parts of the venue needs to be avoided).



### SAFETY LENSES

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

This allows you to create a stunning laser show and keep the beams that are projected into the audience at safer levels while not affecting the overhead beams at all.

# E-stop splitter

EVERY NEW KVANT LASER DISPLAY PROJECTOR IS DELIVERED WITH A TOP-QUALITY E-STOP SYSTEM THAT FULFILS ALL THE SAFETY FEATURES REQUIRED BY LEGISLATION. IT ALLOWS YOU TO CONTROL ONE OR MORE PROJECTORS WHEN CONNECTED IN SERIES.

However, 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.



# SPLIT



## Water Screens

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THE VIDEO AND LASER PROJECTIONS ONTO WATER SCREENS ARE A NICE ADDITION TO ANY MULTIMEDIA SHOW.

■ **Curtain** - straight 3 meter long segments with single or triple nozzle lines create a curtain of sprayed water suitable for indoor installations.

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



## V-Rain

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If your installation project involves Kvant lasers being exposed to potentially severe weather conditions including rain, dust, salt water, humidity and excessive heat or cold, the laser display units will require sufficient protection from such elements.

Our V-Rain weatherproof and air-conditioned enclosures provide the ultimate protection for any sensitive equipment such as Kvant laser systems or video projectors.

# 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 a help with hired equipment you can call us 24/7. There's always someone within our world-wide 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. IF YOU NEED SOMETHING SPECIAL WE CAN FULFIL YOUR NEEDS.

# Equ

WHEN IT COMES TO LASERS AND LED SCREENS  
WE ARE VIRTUALLY UNLIMITED BY SCALE



# Show Production Services

Being a laser manufacturer, our show production career started with laser shows, but we progressed to where we are now by adding more entertainment elements into our arsenal and by gaining all the valuable experience.

Our show department has grown into an award-winning multimedia production team, which has so far received a total of 17 prestigious ILDA awards and that is only in the last three 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.



DURING THE PAST 20 YEARS OF OUR INCREASINGLY SUCCESSFUL EXISTENCE WE EXPLORED MANY TYPES OF VISUAL ENTERTAINMENT AND ART WHICH HELPED US TO GO FURTHER AND BEYOND.

The most wonderful 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 exemplary attitude and professionalism.



### Clubmax 2000

Beam size (mm)	5.2x4.5
Beam divergence	< 0.58 mrad (full angle)
RIGIB output (mW)	340   700   1200
Guaranteed output power	2W
Dimensions (mm)	339   168   264
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 90 Kpps@7°, 60°

### Clubmax 2000 FB4

Beam size (mm)	5.2x4.5
Beam divergence	< 0.58 mrad (full angle)
RIGIB output (mW)	340   700   1200
Guaranteed output power	2W
Dimensions (mm)	339   168   264
Wavelength (nm)	R/637 G/520 B/445
Weight (kg)	8.5
System control	ILDA   Ethernet   ARTNET   DMX   SD
Scanners, max.scan. angle	ScannerMAX up to 40 Kpps@8°, 60° SATURN1 90 Kpps@7°, 60°



### Clubmax 3000 FB4

Beam size (mm)	4.5x4.5
Beam divergence	< 0.6 mrad (full angle)
RIGIB output (mW)	680   900   1500
Guaranteed output power	3.4W
Dimensions (mm)	339   168   270
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 90 Kpps@7°, 60°



### Clubmax 3400 FB4

Beam size (mm)	4.5x4.5
Beam divergence	< 0.63 mrad (full angle)
RIGIB output (mW)	1000   900   1500
Guaranteed output power	3.4W
Dimensions (mm)	339   168   270
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 90 Kpps@7°, 60°



### Clubmax 6000 FB4

Beam size (mm)	4.5x4.5
Beam divergence	< 0.63 mrad (full angle)
RIGIB output (mW)	1300   1800   3000
Guaranteed output power	6W
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 90 Kpps@7°, 60°



### Clubmax 6800 FB4

Beam size (mm)	4.5x4.5
Beam divergence	< 0.63 mrad (full angle)
RIGIB 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 90 Kpps@7°, 60°

### Clubmax 10 FB4

Beam size (mm)	5x4.5
Beam divergence	< 0.63 mrad (full angle)
RIGIB output (mW)	2500   2800   4500
Guaranteed output power	9.7W
Dimensions (mm)	339   168   353
Wavelength (nm)	R/637 G/520 B/445
Weight (kg)	13
System control	ILDA   Ethernet   ARTNET   DMX   SD
Scanners, max.scan. angle	ScannerMAX up to 40 Kpps@8°, 60° SATURN5 50 Kpps@7°, 60°



### Clubmax 15 FB4

Beam size (mm)	5x4.5
Beam divergence	< 0.63 mrad (full angle)
RIGIB output (mW)	5000   3800   6000
Guaranteed output power	15W
Dimensions (mm)	339   168   389
Wavelength (nm)	R/637 G/520 B/445
Weight (kg)	16
System control	ILDA   Ethernet   ARTNET   DMX   SD
Scanners, max.scan. angle	ScannerMAX up to 40 Kpps@8°, 60° SATURN5 50 Kpps@7°, 60°



### Laser-Led Bar Red

Beam size (mm)	4
Beam divergence	< 1.8 mrad (full angle)
RIGIB output (mW)	-
Guaranteed output power	10x 200mW
Dimensions (mm)	1000   150   166
Wavelength (nm)	R/638
Weight (kg)	4
System control	DMX512, Auto-mode, Sound-to-light
Scanners, max.scan. angle	-



### Laser-Led Bar Green

Beam size (mm)	4
Beam divergence	< 1.8 mrad (full angle)
RIGIB output (mW)	-
Guaranteed output power	7x 100mW
Dimensions (mm)	1000   150   166
Wavelength (nm)	G/520
Weight (kg)	4
System control	DMX
Scanners, max.scan. angle	-



### Burstberry

Beam size (mm)	5.2x4.5
Beam divergence	< 0.58 mrad (full angle)
RIGIB output (mW)	340   700   1200
Guaranteed output power	2W
Dimensions (mm)	171   171   359
Wavelength (nm)	R/637 G/520 B/445
Weight (kg)	3.8
System control	Ethernet   ARTNET
Scanners, max.scan. angle	ScannerMAX up to 40 Kpps@8°, 60°



### Atom 9HPS

Beam size (mm)	4x3.5
Beam divergence	< 0.79 mrad (full angle)
R/G/B output (mW)	2750   1900   4000
Guaranteed output power	9W
Dimensions (mm)	471   267   336
Wavelength (nm)	R/637 G/520 B/445 + 460
Weight (kg)	27
System control	ILDA   Ethernet   ARTNET   DMX   SD
Scanners, max.scan. angle	SATURN1 90 Kpps@7°, 60°

### Atom 20

Beam size (mm)	6x6
Beam divergence	< 0.94 mrad (full angle)
R/G/B output (mW)	6000   5700   9000
Guaranteed output power	20W
Dimensions (mm)	471   267   336
Wavelength (nm)	R/637 G/520 B/445
Weight (kg)	27
System control	ILDA   Ethernet   ARTNET   DMX   SD
Scanners, max.scan. angle	CT6215 40 Kpps@8°, 60°

### Atom 30

Beam size (mm)	6x5.5
Beam divergence	< 0.83 mrad (full angle)
R/G/B output (mW)	7000   9400   11500
Guaranteed output power	28.7W
Dimensions (mm)	471   267   336
Wavelength (nm)	R/637 G/520 B/445+460
Weight (kg)	27
System control	ILDA   Ethernet   ARTNET   DMX   SD
Scanners, max.scan. angle	CT6215 40 Kpps@8°, 60°

### Atom 14 HPS RGBY diode | OPSL

Beam size (mm)	4x4.5
Beam divergence	< 0.86 mrad (full angle)
R/G/B output (mW)	2750   5000   1900   Y:5500
Guaranteed output power	14W
Dimensions (mm)	471   267   336
Wavelength (nm)	R/637 G/520 B/445 + 460 Y/577
Weight (kg)	37
System control	ILDA   Ethernet   ARTNET   DMX   SD
Scanners, max.scan. angle	Saturn1 60 Kpps@7°, 60°

### Spectrum 10 OPSL

Beam size (mm)	4
Beam divergence	0.34 mrad (full angle)
R/G/B output (mW)	2500   5000   2000
Guaranteed output power	9.5W
Dimensions (mm)	510   273   396
Wavelength (nm)	R/639 G/532 B/480
Weight (kg)	36
System control	ILDA   Ethernet   ARTNET   DMX   SD
Scanners, max.scan. angle	SATURN1 60 Kpps@7°, 60°

### Spectrum 14 OPSL

Beam size (mm)	4
Beam divergence	0.34 mrad (full angle)
R/G/B output (mW)	5000   5000   4000
Guaranteed output power	14W
Dimensions (mm)	510   273   396
Wavelength (nm)	R/639 G/532 B/480
Weight (kg)	37
System control	ILDA   Ethernet   ARTNET   DMX   SD
Scanners, max.scan. angle	SATURN1 60 Kpps@7°, 60°

### Spectrum 20 diode | OPSL

Beam size (mm)	6x5
Beam divergence	< 0.89 mrad (full angle)
R/G/B output (mW)	6000   8000   6000
Guaranteed output power	20W
Dimensions (mm)	471   267   336
Wavelength (nm)	R/637 G/532 B/445
Weight (kg)	27
System control	ILDA   Ethernet   ARTNET   DMX   SD
Scanners, max.scan. angle	CT6215 40 Kpps@8°, 60°

### Spectrum 25 diode | OPSL

Beam size (mm)	6x6
Beam divergence	< 0.89 mrad (full angle)
R/G/B output (mW)	7000   8000   11000
Guaranteed output power	25W
Dimensions (mm)	471   267   336
Wavelength (nm)	R/637 G/532 B/445 + 460
Weight (kg)	27
System control	ILDA   Ethernet   ARTNET   DMX   SD
Scanners, max.scan. angle	CT6215 40 Kpps@8°, 60°

### Spectrum 30 diode | OPSL

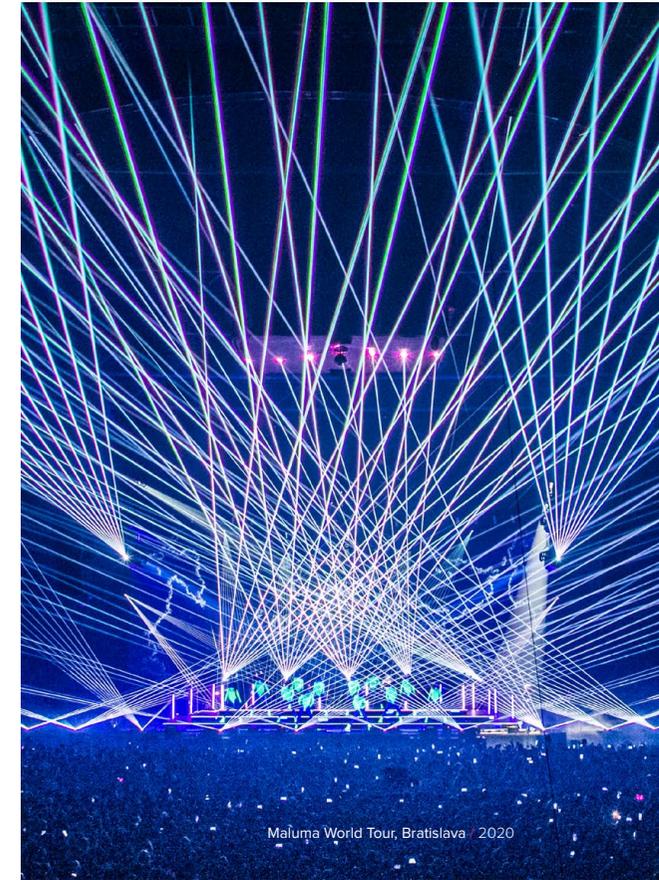
Beam size (mm)	6x5
Beam divergence	< 0.89 mrad (full angle)
R/G/B output (mW)	7300   10000   11500
Guaranteed output power	28W
Dimensions (mm)	471   267   336
Wavelength (nm)	R/637 G/532 B/445+460
Weight (kg)	35.7
System control	ILDA   Ethernet   ARTNET   DMX   SD
Scanners, max.scan. angle	CT6215 40 Kpps@8°, 60°

### Spectrum 25 RGBY diode | OPSL

Beam size (mm)	6x5
Beam divergence	< 0.75 mrad (full angle)
R/G/B output (mW)	6000   8000   6000   Y:5000
Guaranteed output power	25W
Dimensions (mm)	510   273   396
Wavelength (nm)	R/637 G/532 B/445 Y/577
Weight (kg)	37
System control	ILDA   Ethernet   ARTNET   DMX   SD
Scanners, max.scan. angle	CT6215 40 Kpps@8°, 60°

### Spectrum 33 RGBY diode | OPSL

Beam size (mm)	6x5
Beam divergence	< 0.75 mrad (full angle)
R/G/B output (mW)	7000   10000   11500   5000
Guaranteed output power	33W
Dimensions (mm)	510   273   396
Wavelength (nm)	R/637 G/532 B/445 + 460 Y/577
Weight (kg)	37
System control	ILDA   Ethernet   ARTNET   DMX   SD
Scanners, max.scan. angle	CT6215 40 Kpps@8°, 60°



Maluma World Tour, Bratislava / 2020

### LD 20 Atom

Beam size (mm)	10x10
Beam divergence	< 0.46 mrad (full angle)
R/G/B output (mW)	6000   5700   9000
Guaranteed output power	20W
Dimensions (mm)	510   273   396
Wavelength (nm)	R/637 G/520 B/460
Weight (kg)	37
System control	ILDA   Ethernet   ARTNET   DMX   SD
Scanners, max.scan. angle	SATURN9 30 Kpps@8°, 40°

### LD 20 diode | OPSL

Beam size (mm)	10x10
Beam divergence	< 0.44 mrad (full angle)
R/G/B output (mW)	6000   8000   6000
Guaranteed output power	20W
Dimensions (mm)	510   273   396
Wavelength (nm)	R/637 G/532 B/445
Weight (kg)	36
System control	ILDA   Ethernet   ARTNET   DMX   SD
Scanners, max.scan. angle	SATURN9 30 Kpps@8°, 40°

### LD 25 diode | OPSL

Beam size (mm)	10x10
Beam divergence	< 0.44 mrad (full angle)
R/G/B output (mW)	6000   8000   11000
Guaranteed output power	25W
Dimensions (mm)	510   273   396
Wavelength (nm)	R/637 G/532 B/460+445
Weight (kg)	36
System control	ILDA   Ethernet   ARTNET   DMX   SD
Scanners, max.scan. angle	SATURN9 30 Kpps@8°, 40°

### LD 30 diode | OPSL

Beam size (mm)	10x10
Beam divergence	< 0.48 mrad (full angle)
R/G/B output (mW)	7300   10000   11500
Guaranteed output power	28W
Dimensions (mm)	510   273   396
Wavelength (nm)	R/637 G/532 B/460+450
Weight (kg)	36
System control	ILDA   Ethernet   ARTNET   DMX   SD
Scanners, max.scan. angle	SATURN9 30 Kpps@8°, 40°

### LD 25 RGBY diode | OPSL

Beam size (mm)	10x10
Beam divergence	< 0.41 mrad (full angle)
R/G/B/Y output (mW)	6000   8000   6000   Y:5000
Guaranteed output power	25W
Dimensions (mm)	510   273   396
Wavelength (nm)	R/637 G/532 B/445 Y/577
Weight (kg)	37
System control	ILDA   Ethernet   ARTNET   DMX   SD
Scanners, max.scan. angle	SATURN9 30 Kpps@8°, 40°

### LD 33 RGBY diode | OPSL

Beam size (mm)	10x10
Beam divergence	< 0.41 mrad (full angle)
R/G/B/Y output (mW)	7000   10000   11000   Y:5000
Guaranteed output power	33W
Dimensions (mm)	510   273   396
Wavelength (nm)	R/637 G/532 B/460+445 Y/577
Weight (kg)	37
System control	ILDA   Ethernet   ARTNET   DMX   SD
Scanners, max.scan. angle	SATURN9 30 Kpps@8°, 40°

### LD 33 Atom RGBY diode | OPSL

Beam size (mm)	10x10
Beam divergence	< 0.48 mrad (full angle)
R/G/B/Y output (mW)	7300   9600   11500   5000
Guaranteed output power	33.2W
Dimensions (mm)	510   273   396
Wavelength (nm)	R/637 G/520 B/445 + 460 Y/577
Weight (kg)	37
System control	ILDA   Ethernet   ARTNET   DMX   SD
Scanners, max.scan. angle	SATURN9 30 Kpps@8°, 40°

### Logolas 2000

Beam size (mm)	5.2x4.5
Beam divergence	<0.58mrad (full angle)
R/G/B output (mW)	340   700   1200
Guaranteed output power	2W
Dimensions (mm)	196   227   556
Wavelength (nm)	R/637 G/520 B/445
Weight (kg)	9
System control	Ethernet   SD (FB4)
Scanners, max.scan. angle	ScannerMAX up to 40 Kpps@8°, 60° SATURN1 90 Kpps@7°, 60°

### Logolas 3000

Beam size (mm)	4.5x4.5
Beam divergence	<0.6mrad (full angle)
R/G/B output (mW)	680   900   1500
Guaranteed output power	3W
Dimensions (mm)	196   227   556
Wavelength (nm)	R/637 G/520 B/445
Weight (kg)	9
System control	Ethernet   SD (FB4)
Scanners, max.scan. angle	ScannerMAX up to 40 Kpps@8°, 60° SATURN1 90 Kpps@7°, 60°

### Logolas 6000

Beam size (mm)	4.5x4.5
Beam divergence	< 0.63 mrad (full angle)
R/G/B output (mW)	1300   1800   3000
Guaranteed output power	6W
Dimensions (mm)	338   279   602
Wavelength (nm)	R/637 G/520 B/445
Weight (kg)	14
System control	Ethernet   SD (FB4)
Scanners, max.scan. angle	ScannerMAX up to 40 Kpps@8°, 60° SATURN1 90 Kpps@7°, 60°

### Logolas G10 OPSL

Beam size (mm)	4
Beam divergence	< 0.68 mrad (full angle)
R/G/B output (mW)	-   10000   -
Guaranteed output power	10W
Dimensions (mm)	338   279   602
Wavelength (nm)	G/520
Weight (kg)	14
System control	Ethernet   SD (FB4)
Scanners, max.scan. angle	ScannerMAX up to 40 Kpps@8°, 60° SATURN1 90 Kpps@7°, 60°



### Maxim G3600

Beam size (mm)	5x4.5
Beam divergence	< 0.8 mrad (full angle)
G output (mW)	3800
Guaranteed output power	3.6W
Dimensions (mm)	339   220   353
Wavelength (nm)	G/532 OPSSL
Weight (kg)	12
System control	ILDA   Ethernet   ARTNET   DMX   SD
Scanners, max.scan. angle	CT6215 30 Kpps@8", 60° CT6215-HP 36 Kpps@8", 60°

### Maxim G10

Beam size (mm)	5
Beam divergence	< 0.68 mrad (full angle)
G output (mW)	10000
Guaranteed output power	10W
Dimensions (mm)	339   220   353
Wavelength (nm)	G/532 OPSSL
Weight (kg)	14
System control	ILDA   Ethernet   ARTNET   DMX   SD
Scanners, max.scan. angle	CT6215 40 Kpps@8", 60°



### Maxim G20

Beam size (mm)	5
Beam divergence	< 0.68 mrad (full angle)
G output (mW)	20000
Guaranteed output power	20W
Dimensions (mm)	471   267   336
Wavelength (nm)	G/532 OPSSL
Weight (kg)	29
System control	ILDA   Ethernet   ARTNET   DMX   SD
Scanners, max.scan. angle	CT6215 30 Kpps@8", 60°



### Architect 55

Beam size (mm)	34x42 or custom
Beam divergence	< 0.5mrad (full angle)
R/G/B output (mW)	18000   13000   24000
Guaranteed output power	55W
Dimensions (mm)	900   380   800
Wavelength (nm)	R/637 G/520 B/445
Weight (kg)	112
System control	PC / DMX
Scanners, max.scan. angle	-



### Architect W270B

Beam size (mm)	250 x 880 or custom
Beam divergence	3.2mrad (full angle) or custom
R/G/B output (W)	112   96   64
Guaranteed output power	270W
Dimensions (mm)	1022   277   540
Wavelength (nm)	R/637 G/520 B/450
Weight (kg)	60
System control	PC / DMX
Scanners, max.scan. angle	-

### Architect W660B

Beam size (mm)	390 x 1350 or custom
Beam divergence	10mrad (full angle) or custom
R/G/B output (W)	269   224   168
Guaranteed output power	660W
Dimensions (mm)	1550   500   550
Wavelength (nm)	R/637 G/520 B/450
Weight (kg)	130
System control	PC / DMX
Scanners, max.scan. angle	-



### Architect W900B

Beam size (mm)	460 x 1450 or custom
Beam divergence	10mrad (full angle) or custom
R/G/B output (W)	365   305   230
Guaranteed output power	900W
Dimensions (mm)	1700   520   650
Wavelength (nm)	R/637 G/520 B/450
Weight (kg)	160
System control	PC / DMX
Scanners, max.scan. angle	-



### Kvant Lasers, s.r.o.

Odborárska 23, 831 02 Bratislava  
Slovakia, Europe

Tel.: 00421-2-654 113 55  
Email: info@kvant.sk

VAT ID: 51196620  
VAT no.: SK2120636936

www.kvantlasers.sk

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