

MOVE

The magazine for show technology **01|2020**

ADD A LITTLE LIME TO THE MIX

70
TIPS
for festival
technicians



**Light
for 10 000
Dancers**
The festival
"Tanzinsel 2019"

**Third
Generation**
Proven speaker series
with new edition:
Omnitronic PAS MKIII

Add a little lime to the mix

Futurelight EYE-7 HCL Zoom:
Lime and Cyan for
fresh color mixtures

**Enlightenment
with lighting?**
Interview with
Brother Carsten Meisner
about show lights in church

All white
White devices
for the big day

Black Metal
On Trend:
Black trussing

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Dear readers,

versatile, diversified and fast it is: the event industry. Challenging, exhausting, but also fascinating and absolutely lovable. The people who have decided on a profession in this sector must be made of special wood. For technicians, promoters, LJs, DJs and rental companies the following applies: Fixed working hours are rare and you always work when others are having fun. Nevertheless, the world of the event and show business radiates an unbroken fascination - also on us!

In this issue we therefore immerse ourselves in its full diversity. We meet two DJs who give us an insight into their work. With the LED Light Boys we talk about their projects as lighting designers. An Augustinian monk tells us why event technology also belongs in churches. And the inventor of the event furniture OnTruss lets us participate in the development of his products to marketability.

We have also compiled tips and information that make working life a little easier. We take a peek at new products and interesting trends in the industry and also look beyond our own noses at the hotel and catering industry.

We hope you enjoy browsing and reading!

Your MOVE editors

CONTENT



TREND

- 22** **Black Metal**
Increasingly popular: Black trussing
- 36** **Get up and get out**
Equipment for events at any location
- 68** **LEDs in theater**
Can modern LED devices be used in theaters without any problems?
- 76** **All white**
White equipment for the big day
- 82** **Designing rooms with light**
LED strips and their possibilities of use

REPORTS

- 48** **Light for ten thousand dancers**
Behind the scenes of the lighting design for the festival "Tanzinsel"



INTERVIEW

- 8** **Enlightenment with lighting**
Interview with Brother Carsten Meisner about using show light in churches
- 14** **Hey Mr. DJ**
Two DJs introduce themselves and their jobs to us
- 28** **As versatile as the industry**
Interview with Simon Unverdorben, inventor of OnTruss event furniture
- 52** **Fresh light for cool events**
Interview with the LED Light Boys



AD
LI
T

ADD A LITTLE LIME TO THE MIX



62

TIPS AND SERVICE

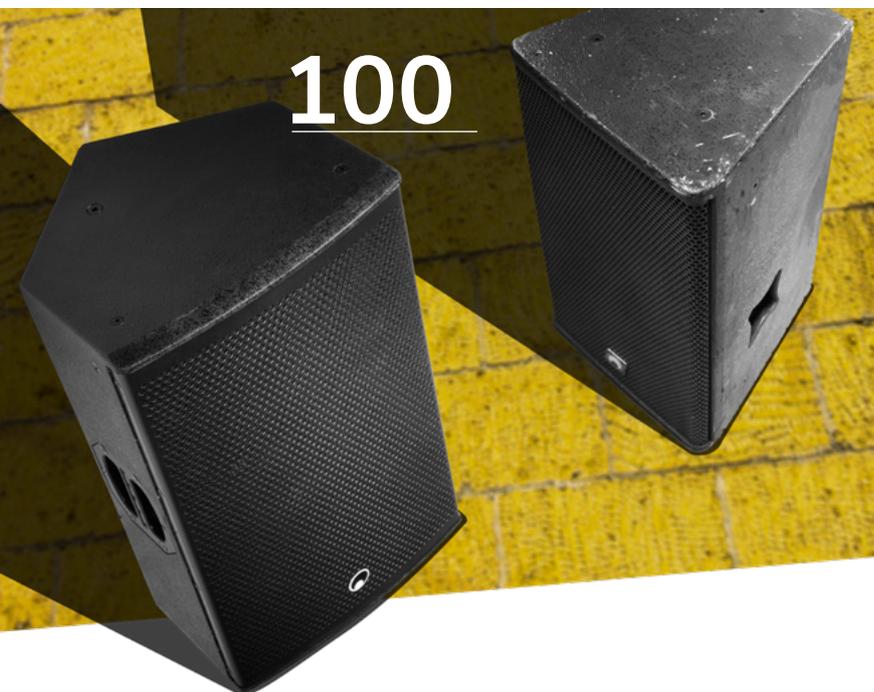
- 30 German quality control**
In-house quality control at the German wholesaler Steinigke Showtechnic
- 34 European soccer championship 2020**
5 tips for your public broadcasting event
- 54 It's festival season**
10 tips for technicians/stagehands to make working easier
- 56 More than just thick air**
Artificial fog and its use in the event industry
- 60 LED dictionary**
Common abbreviations explained
- 94 Bright prospects**
How to create a welcoming atmosphere in holiday homes



22

PRODUCTS

- 4 NEWS**
Showtechnic highlights Spring 2020
- 18 Gnome to go**
A mixer for your pocket: OMNITRONIC Gnome
- 44 No matter the weather**
Outdoor equipment for architecture and festival lighting



100

- 62 Add a little lime to the mix**
6in1 color mixture with lime and cyan: FUTURELIGHT EYE-7 HCL Zoom
- 70 KLS**
Established technology in a new form
- 92 Laser**
Classes and their significance
- 100 Proven quality in the third generation**
Proven speaker series with a new generation: OMNITRONIC PAS MK3

NEWS



EUROLITE LED BAR-6 UV Bar

The powerful light effect strip can be used variably. For events or band performances - in the theatre or at galas - the LED BAR is noiseless because of convection cooling. The flicker-free light bar is equipped with six 1 W UV LEDs and features a dimmer and strobe effect.



EUROLITE Mirror half ball with motor

The golden and black mirror halfball by EUROLITE with a stable plastic core creates decorative light effects with the suitable lighting. The mirror halfballs are available in different colors and sizes.



EUROLITE LED LP-30 Logo projector

Use the silent logo projector, equipped with a powerful, cold white 30 W COB LED, to project various motifs at your booth or directly from your shop window to the street. Different gobos can be easily changed and inserted. The LP-30 also has a dimmer, pre-programmed macros and is compatible with QuickDMX.



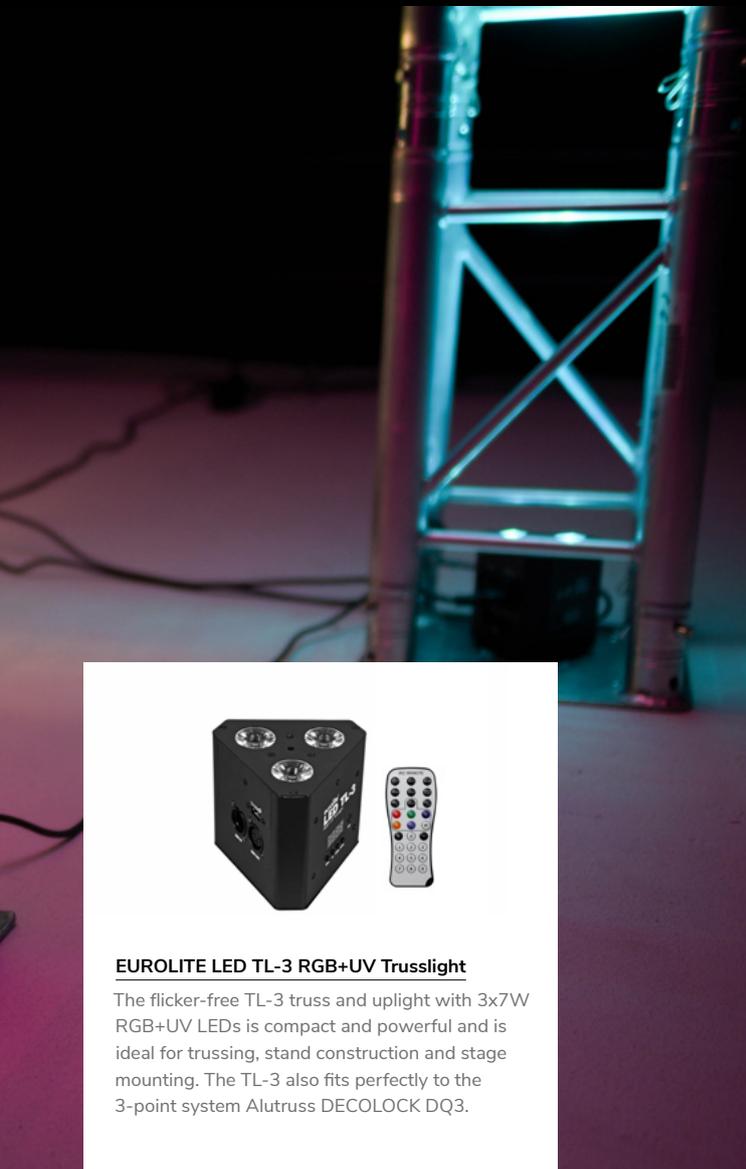
FUTURELIGHT WDR-G5 RX IP Wireless DMX Receiver Outdoor

The wireless and weatherproof radio receiver for up to 512 DMX channels, allows wireless operation with most of all of your devices wireless with DMX control. With the Wireless Solution technology, it bridges even longer distances - without annoying cables.



EUROLITE Audience Blinder 2x100W COB WW

Concentrated power is offered by the new Audience Blinder from EUROLITE. Its 100 watt COB LEDs generate a warm white light and can be controlled individually. Via a USB slot, QuickDMX for wireless control can be connected.



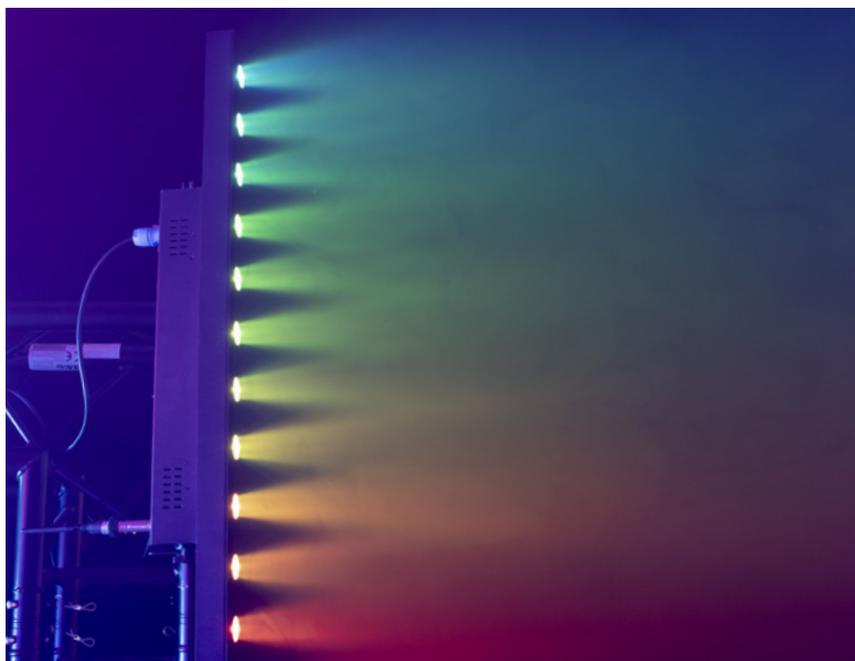
EUROLITE LED TL-3 RGB+UV Trusslight

The flicker-free TL-3 truss and uplight with 3x7W RGB+UV LEDs is compact and powerful and is ideal for trussing, stand construction and stage mounting. The TL-3 also fits perfectly to the 3-point system Alutruss DECOLOCK DQ3.



EUROLITE LED IP Spot-15W RGBW Outdoor Spot with Stake

The weatherproof, compact outdoor spotlight is equipped with a powerful 15 W LED in RGBW. The integrated show programs as well as strobe and pulse effects can be controlled with the IR remote control (included in delivery). The fanless outdoor spotlight features a beam angle of 19°. With the stake and the swiveling mounting bracket, it is flexibly usable.



EUROLITE LED PIX-12 QCL Bar

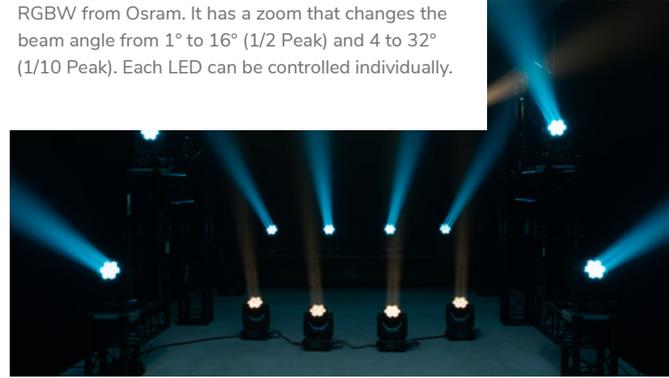
Perfect for professional stage applications: the LED PIX-12 QCL lightbar with 12 powerful 4W LEDs (4in1) in RGBW. Each LED can be controlled individually. The bar can be fixed to a truss thanks to the mounting brackets.



FUTURELIGHT

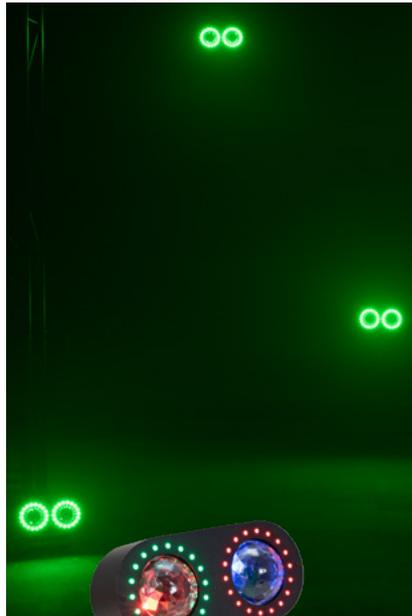
EYE-740 QCL Zoom LED Moving Head Wash

The FUTURELIGHT EYE-740 QCL Zoom is a professional washlight with 7 powerful 40 W LEDs in RGBW from Osram. It has a zoom that changes the beam angle from 1° to 16° (1/2 Peak) and 4 to 32° (1/10 Peak). Each LED can be controlled individually.



EUROLITE LED WF-30 Water Effect

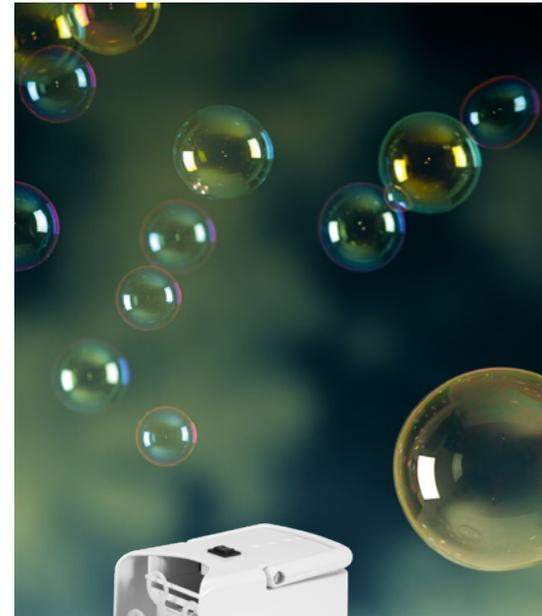
The silent LED WF-30 water effect from EUROLITE turns every room into a swimming pool. With the built-in COB-LED you create a colorful light spectacle on the wall, which pulsates in the constant rhythm of water. Create a relaxed atmosphere in your club, lounge and also on stages.



EUROLITE LED DMF-3 Hybrid Flower Effect

The effect spotlight LED DMF-3 is equipped with two lenses. Behind them there are 12 LEDs in RGBAW+UV. Additionally it has two strobe rings with 36 RGB LEDs.

It creates fast and dynamic strobe effects. Four integrated show programs are available in auto and music mode.



EUROLITE B-20 Mini Bubble Machine

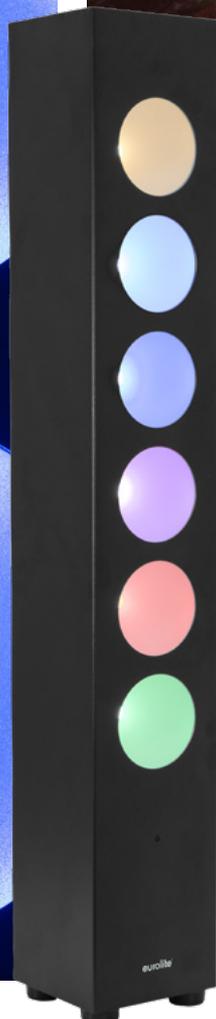
The mini bubble machine EUROLITE B-20 is especially suitable for spontaneous use at weddings, birthday parties or as a party gag. The operation is very easy. The bubble machine is operated with batteries or with a power bank.



Power bank
(not included)

EUROLITE PK-3 USB TCL Spot

Mobile, colorful and quiet - the small PK-3 Spot with its 6 bright LEDs conjures bright colors into the room. The fanless spotlight is immediately ready for use and is particularly energy-saving. Simply connect a power bank to the USB port and get started!



EUROLITE LED CBT-6 COB TCL Tower

The flicker-free LED Tower CBT-6 from EUROLITE is equipped with 6 powerful 30 Watt COB LEDs in RGB. The light effect column is ideal for your mobile uses because of its slim and compact design. A practical carrying bag is included in the package.

It is compatible to QuickDMX, the wireless DMX system from EUROLITE.



Interview

with Brother
Carsten Meisner OSA

Colorful, modern and open - these are not necessarily the adjectives with which the Catholic Church is associated in our times. But while the number of church exits is increasing throughout Germany and the number of members of the Catholic Church has reached its lowest point, the Augustinian Church in Würzburg is enjoying increasing numbers of visitors. Together with Brother Carsten Meisner we dare to take a look at tradition and modernity and ask ourselves what event technology has to do with lived ecumenism.



The church in
the proper light -
Enlightenment with lighting?

Carsten, you had mentioned that you in the Augustinian church, despite the overall declining membership of the Catholic Church, are rather growing. What are you doing to make your services and offerings attractive?

Well, the growth is probably due to various factors: on the one hand, we are very centrally located in the city center of Würzburg and are historically rooted in the city. One knows the church and knows that Augustinians are behind it. Many of our churchgoers have been with us for a long time - personal relationships have developed with many of them over a long period of time. Nevertheless, the last renovation of the church

may have been an important impulse for a new orientation. Our main concern was to emphasize the joint celebration of church services: The altar stands in the middle of the church room, the priest no longer has a fixed and elevated seat - everyone is thus "on one level". Behind this approach is the claim that in worship and in dealing with each other not the status but the person is in the center.

But the spatial design is only one aspect. Living ecumenism is important to us. We are not interested in passing on Catholic Orthodoxies and traditions just on their self-will, but in questioning their suitability and relevance for our society.

Church music is important to us - and not only during church services. Our church musician Hans-Bernhard Russ organizes a lively program with numerous concerts throughout the year. Although the focus is on organ and classical music, we also have events with jazz, electronic and experimental new music. Since we replaced our benches with chairs during the last renovation, we are very flexible in terms of seating and setup: Altar and ambo are mobile and can be removed for events, the

room offers various possibilities to set up a stage and "drive shows". Since the renovation, we have been running a series of events and concerts during the Christmas season with two concerts per week and special musical arrangements for music & meditation that take place daily on weekdays. The concerts range from organ concerts by world-famous organists to amateur choirs and professional orchestras.

„At some of the concerts the church is filled with over 1000 people, with an atmosphere similar to pop and rock concerts - including the use of hazers, lasers and moving heads.“

With our offers we are always pushing the limits of what we can do, but we are also planning to go into other, more modern music styles.

Why do you think it makes sense to go such new ways?

To go new ways is important for me. This concerns personal development as well as religious life. I think it's because I don't see modern society as a threat or danger to religion, but as a source of inspiration and correction. Scientific and technical developments have changed our view of the world so radically that this - in my opinion - must be reflected in our religious practice and actions. I think that if you want to remain relevant for the people around you today, you have to be open to the new - and examine whether and how you can incorporate it yourself. So it's not simply a matter of "swimming with the spirit of the times" - but of really coming to terms with it. Well, and I have to admit, that I simply love the show technology and the possibilities it offers.

You also use lighting technology in your concerts, cultural events and church services. What did you learn in the last years regarding the use of event technology in the church?

Well, that is exciting! When I came here to Würzburg about 10 years ago, lighting design only played a minor role. During the last renovation, a new, expensive lighting system was installed, but it was very limited in its ability to create different moods - something like that simply wasn't in sight at the time and it was not foreseeable that our needs would develop in this direction. Colored light and lighting effects were only used in exceptional cases - for example, at special events that had a higher budget or where

lighting effects were indispensable.

When our musical events received a great response after the church reconstruction, we gradually moved in a more professional direction - also in the event sector. I had some basic knowledge of event technology and suggested that we could make our events more attractive with show lighting, which initially did not arouse the huge enthusiasm of my brothers. They rather associated moving heads and multicolored spotlights with discos and could not really see how they would enrich our events. We then did some smaller events with rental equipment - and were surprised by the reactions, so we started with a small basic equipment of cheap floodlights and theater spots. Then came the first moving-heads. Then a hazer and three show lasers. I took a course to become a laser safety officer and enjoyed Ilda and Co, Artnet and video tracks. Then three years ago we bought a professional light desk. Right from the start, the radio receivers from the company Eurolite were part of it: My brothers had a rejection of cables and all too visible technology in the room from the very beginning.



How do the churchgoers/visitors react to this?
What is the feedback?

In the beginning our visitors were a little surprised, but the reactions were positive: We only had the floodlights and spots for creating moods. Everything was controlled by DMX software on the iPad - and scene changes always took place at the beginning of the next song. With the possibilities that moving light offers, things were a bit different - although my lack of experience with it also contributed: In the context of predominantly clas-

sical music, show lighting was then and probably still is rather unusual - moving light is rather a rarity. Our audience was not really familiar with this: many of our concert visitors are 50+. Some were irritated by the use of hazers. Even to this day, there are still occasional statements that this would surely be harmful to health. We then readjusted again and again, and in the course of time we developed a harmonious interplay between event technology and music in a trial-and-error process, in which I learned a lot. But our audience appreciated our chosen path right from the start - in the meantime, lighting design, both static and moving light, is a permanent feature of our events and is even missed when we switch on the "normal white light" at events.

At church services we primarily use warm white, pleasant light - at the "moonlight mass", which takes place every Sunday at 9 pm and is designed somewhat differently from typical Catholic services, the church is bathed in blue - with white spots on the altar and ambo. At "music & meditation", an event that takes place once a week and in December even every working day, the church interior is lit up in colored light.

What would you advise your younger self (or other churchmen) regarding the use of light in the church?

„I can only advise my colleagues in other monasteries and parishes to look at the possibilities of DMX-based show technology for their churches and events - even if you only work with static scenes, religious events also benefit immensely from the moods created by light.“

For parishes and monasteries in the catholic context, it is probably unusual how we use lighting technology, and also that we planned and installed our church lighting system ourselves. Too strong seems to be the conviction of the responsible persons and architects that show technology is only to be found in the event industry and that one prefers to fall back on proven church lighting approaches. I am devotedly glad that we have gone and are going our way - even if we had to learn a few things again and again, such as that it is not yet a light show when two lonely moving heads turn in front of each other.

What do you consider important when choosing lighting technology / what features should the technology have so that you can use it?

That's easy to answer: Since we use lighting technology primarily in the area of classical music and various cultural events, it must have good fan control and fans that are as quiet as possible. Otherwise they disturb the event too much. In addition, we need a high light output, because our church is relatively large and I have to keep the installation effort for events

as small as possible, because we are only a small team where everyone has many other tasks in the house. Unlike at pop shows or rock concerts, I usually have to avoid too fast movements or hectic flashing, so that the intensity of the light has to make up for this. We use light in four ways: As illumination of the actors, as beam effects, as wall projections and as atmospheric ambient lighting - beautiful gobos, bright colors and a wide variety of uses for the fixtures are just great. For us it is important that the price-performance ratio is right, because our equipment is not really part of a business plan like clubs or concert organizers have.

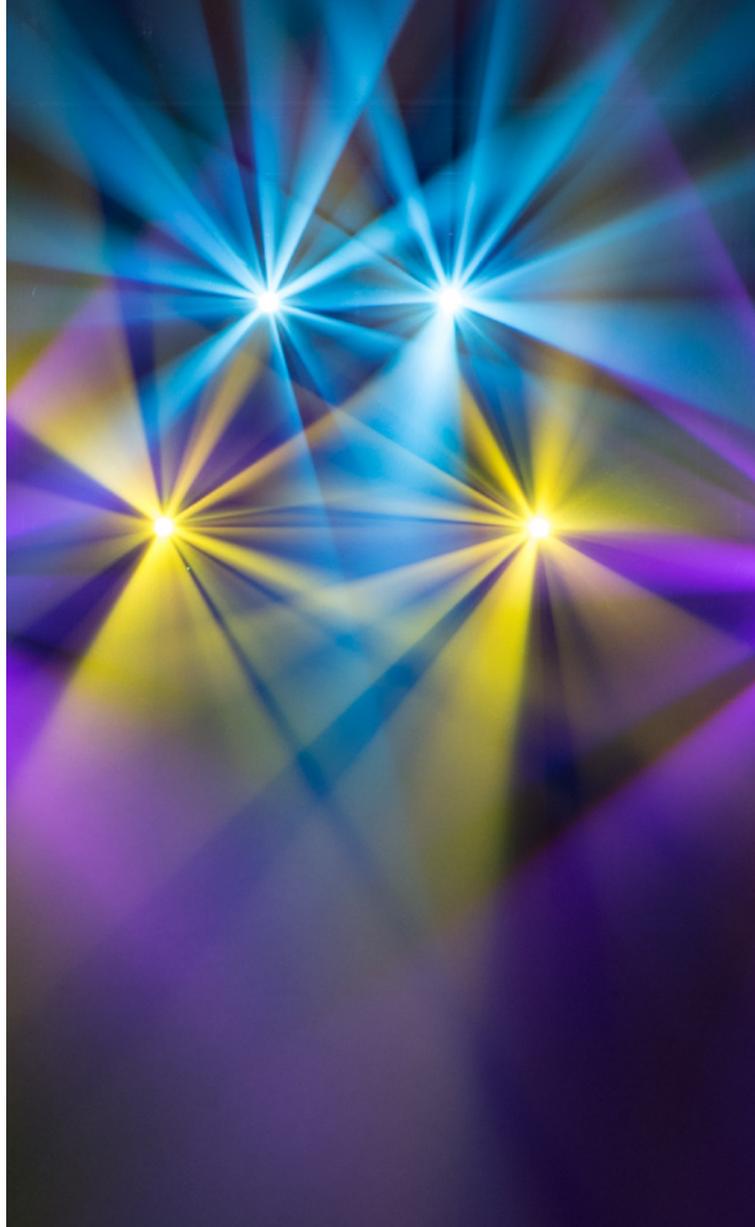
We thank you very much for the interview!

Products used:

6x Futurelight DMH-300
8x Futurelight DMH-200
4x Futurelight DMH-160
6x Futurelight Eye-37 RGBW
8x Futurelight Eye-19 HCL Zoom

More information about the Augustinians in Würzburg and pictures of past events can be found at

www.augustinerkirche-wuerzburg.de.



EUROLITE TMH XB-280

The new Beam-Moving-Head from EUROLITE with its 280 watts-strong discharge lamp projects a powerful, narrow beam with only 2° beam angle into the room. The color wheel has 14 dichroic colors (plus open), a gobo wheel provides 13 static gobos. An 8- and a 24-facet prism provide additional design possibilities. The modern moving head is equipped with a P-Con connection.



ROADINGER
Flightcase 2x TMH XB-280

Technical Data

Power consumption:	385 W
Power connection:	Mains input P-Con (blue)
Max. TILT movement:	Exact positioning (16 bit resolution) 270°
Max. PAN movement:	Exact positioning (16 bit resolution) 540°
Flash rate:	1 - 18 Hz
Equipment:	Color wheel; Focus motor-driven; Gobo wheel with static gobos; Frost filter; Prisma rotating
Color generation:	Color wheel 14 dichroic filters plus open
Gobos:	Gobo wheel with static gobos, 13 gobos und open, Shake effect
DMX channels:	16; 19
DMX input:	3-pin XLR (M) mounting version
DMX output:	1 x 3-pin XLR (F) mounting version
Cooling fan:	Yes
Control:	DMX, Stand-alone, Sound to light, Master/slave function
Beam angle (1/2 peak):	2°
Maße (B x T x H):	30.0 cm x 50.5 cm x 20.5 cm
Gewicht:	14.4 kg



Light is eye-catching

HMI[®] DIGITAL

HMI[®] DIGITAL's high-performance, single-ended metal halide lamps provide the extremely bright light, daylight color temperature, and high CRI that every film set needs. To meet the evolving needs of high-speed filming, HMI[®] DIGITAL operates flicker-free when used with high-speed electronic ballasts. These features, paired with a more robust design and UV-Stop, render HMI[®] DIGITAL ready to light the next generation of on-screen classics.



Light is OSRAM

OSRAM

HEY, MR. DJ!

He creates a good atmosphere, gets the masses moving and fills the dance floor - that's definitely true for a good DJ. But a lot has changed since the profession was first created in the 1970s, when it was known as a "record spinner". Today, the DJ's playing field is wide and varied. Different types of events require specialized DJ types: This is

how the job of the wedding DJ has developed, which differs from the classic DJ in the club not only in the surroundings.

To learn a little more about the different ways a DJ works, we met with DJ Florio Martinez (Wedding & Event DJ) and DJ Lupin (Club DJ, Electro) and asked them five questions.



**FLORIO
MARTINEZ**

//WEDDING DJ

What makes a good wedding DJ for you?

In my opinion a good Wedding & Event DJ has a certain feeling for people. Every visitor should get his money's worth and dance. When the party ends and everyone had a great time, it was a great event and I will be remembered positively.

What features should your equipment have?

The equipment should be professional and of high quality. A good PA system is half the battle. That's why I always have it with me, just like my own DJ controller. If desired, I also bring light along, the full package.

How did you come to DJing?

At the age of 17 I decided to become a DJ. Influenced by RUN DMC and Die Fantastischen Vier, I got to DJing. Then I took a holiday job in a winery to save the money for two turntables and a mixer. That was 20 years ago. That's how long I've been in the DJ business.

What do you like most about your DJing job?

I like the contact with people. And I love that no two events are alike. There are many weddings and corporate events, all very different, where it is always a lot of fun to DJ. I try to transfer my feeling for the music to the people.

What musical guidelines do you use to build your evening?

It always depends a bit on the mood and which genre is desired by the client. With different musical blocks, I try to build up the evening. It usually starts with RnB and can end with Techhouse or German Hip Hop. The main thing is that the mood fits.

www.florio-martinez.com

www.facebook.de/floriomartinez



What makes a good club DJ for you?

In my opinion a club DJ should be responsive to the audience and play the right music at the right time. The promoter books a DJ in the club for a certain kind of music, in my case electro. The DJ should be well versed in his genre, be aware of the latest trends and simply have a feel for his music. Professionalism, reliability and the right handling of the technology are of course also important points.

What features should your equipment have?

I personally don't really care which manufacturer the equipment is from. Of course I have my favourite equipment, but first and foremost the equipment should work and be well maintained. The only thing I really always have with me are my own headphones and my music in digital files.

How did you come to DJing?

Very classical: A friend of mine, who was also a DJ, had two turntables and a mixer in his apartment. In addition there was a huge record collection. I just stood at his desks and started playing. That was in 1999.

What do you like most about your DJing job?

Most of all I like being able to play the music I love myself and share it with other people. I enjoy seeing people love the same music, dancing and partying.

What musical guidelines do you use to build up your evening?

Depending on location, playtime and audience, it always varies. When I open at the beginning of an evening, I start quietly and increase the mood the more people are in the club. Depending on the club I also adapt myself. Some people like it a bit more liveley , others a bit quieter.

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//CLUB DJ



OMNITRONIC XDP-3002 Dual CD/MP3 Player

Dual CD and MP3 player for CD, USB and SD



OMNITRONIC XDP-3001 CD/MP3 Player

Double CD and MP3 player for CD, USB and SD



OMNITRONIC XDP-1502 CD/MP3 Player

CD and MP3 player for CD, USB and SD



OMNITRONIC XDP-1501 CD/MP3 Player

1 U flat CD/MP3 player with USB port, mic input and IR remote

THE DEVIL IS IN THE DETAIL...

and preparation is everything. Every event organizer or mobile DJ has probably already experienced it: The dance group brings its music on a USB stick. The singer brings his playback on an audio CD and the opening dance of the bridal couple is stored on an SD card. During the preliminary talks there was of course no mention of all this, because it is about surprises for the bridal couple or the jubilarian.

All those who are prepared can relax: With a rack that always holds an appropriate player with CD and MP3 player. Devices with a dual-player function also serve as a back-up for putting on CDs and mixers. A well-equipped rack has thus already saved some mobile DJs from breaking out in a sweat.



GET INSPIRED!

Interviews: Mark Forster, Laidback Luke, Markus Schulz, Lamb

How do you start producing a new song? «

Mark Forster / I usually start with a basic lyrical idea and an idea of what the song is supposed to be about. For each album I always have my own notepad with song titles or ideas for songs and that's how it starts.

Very important: The basic emotion must be real! If I write alone, it's on the piano, playing around with a few songwriting chords I often use to start a song. I also like to have other people around when I write, because this ping-pong of ideas sometimes just makes things better. In addition, I am a self-confessed pop fan, I like great melodies and when a chorus „takes off“. Another very important thing is the „B hook“, for example an instrumental hookline, such as the melody after the chorus of „Au revoir“ or the guitar lick after the chorus of „We are big“.



Lamb / Our creative process is pretty open-ended and extremely hard to define. It's a kind of alchemy that happens when two very distinct people throw ideas between them. Lamb began with two very different beings deciding to jump off a creative cliff together. Over the years we've learnt what does and doesn't work for us, but so often we'll take paths we've never taken before in order to keep our creative process fresh and avoid habit and formula creeping in. **Our creative process is more about tearing up maps than keeping to time-honoured roads.**



Markus Schulz / Sometimes I start a song production with a groove and build my cadences on it. These form the basis for developing the melody. Most of the time, I only sketch a rough idea at first. This can only be a small demo with 64 bars, for which I only use presets, which ignites my creativity. On this foundation I can build the different layers of a track. The last thing I do is sound design. **The melody and emotion are the essence of a song.**



Laidback Luke / I used to start with a groove and build on that. To save time, I'll always go in with a global sketch of the track that I have in my head. For instance, I could say, the track should have the feel of a mix of „Move To The Sound“ by Afrojack and me and „Kids“ by MGMT. This way, I can already have a vision of what I need to use and where I'll go with the track, and not get distracted by cute presets and never finish a track (laughs). **A compelling club track should be a combination of a bunch of things: appealing but edgy, catchy but thumping.**



New every month: The music magazine with answers to all questions about music, production, mix and DJ-ing.



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BLUETOOTH
MP3 PLAYER

BLACK



GNOME 202P MINI MIXER

GNOME TO GO 3 APPLICATIONS FOR THE MINI-MIXER

1 DJing with the mobile device:

Download DJ software to your smartphone or iPad, connect the device to the Gnome via Bluetooth and start playing. The minimal setup is perfect for small bars or parties.

2 As player option:

Should guests at a wedding, for example, be able to play music themselves without having to access the DJ's mixing desk? The Gnome is easy to operate and prevents untrained visitors from changing the settings on the large console.

3 As back-up and external microphone input:

The Gnome easily fits into the DJ's backpack and serves as an always-available back-up or emergency solution. And if no microphone input is available on the large DJ controller, the mini mixer serves as an external input.



SILVER



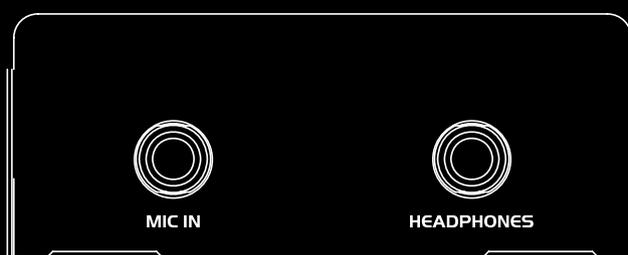
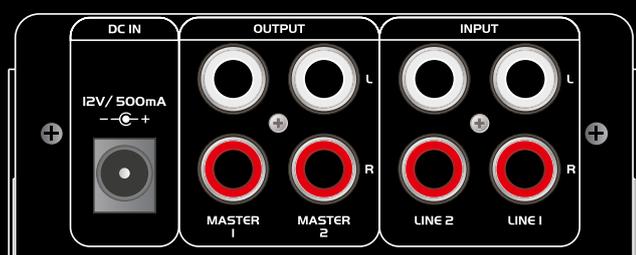
GOLD



RED



GREEN



MOBILE ALL-ROUNDER IN POCKET FORMAT

With the GNOME-202P, OMNITRONIC takes its popular mini mixer series to a new level:

Equipped with a Bluetooth function and an MP3 player, the new small-format mixer is the perfect backup solution for the mobile DJ.

No matter if it's a spontaneous DJ gig at a community party or in the hospitality industry:

There is a place for this extremely light and compact DJ mixer everywhere.

It has 2 stereo channels with gain control and 2-band EQ. A microphone

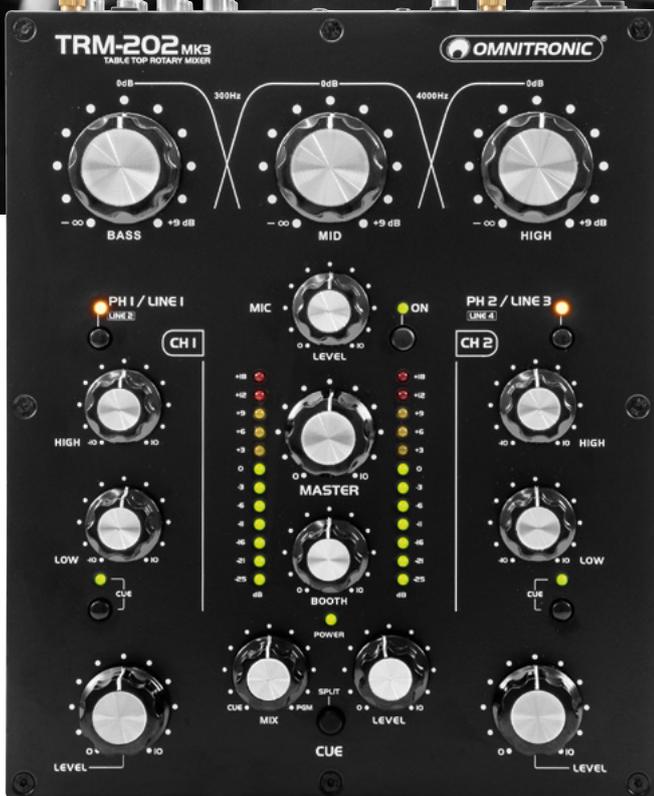
input is also on board and allows announcements during a DJ set.

The Gnome-202P is available in 5 modern colors: gold, silver, red, green and black.

More information is available at: www.omnitronic.de

2-channel DJ mixer with Bluetooth and MP3 player in miniature design

- Super portable and lightweight DJ mixer
- 2 stereo channels with gain control and 2-band EQ, RCA connectors
- Integrated Bluetooth audio streaming for your smartphones and tablets
- MP3 player with USB port and blue LCD screen
- Adjustable microphone input via 6.3 mm jack
- Adjustable headphones output via 6.3 mm jack for pre-fader listening (CUE)
- 2 adjustable master outputs via RCA connectors
- Crossfader
- Anodized metal housing
- Various colors available
- Control: Bluetooth
- Housing design: Desktop console



TRM-202MK3 2-Channel Rotary Mixer



BYE BYE FADERS – THIS IS ROTARY #3

- Absolutely unique in its class
- Good quality does not have to be expensive
- Sensational value for money

Conclusion of the trade media

BONEDO.DE

"The front panel design is very well done: Everything is simply in the right place, feels good to the touch and gives a valuable impression. The sound is well-rounded, the construction quality solid and the design ergonomic."

AMAZONA.DE

"The master isolator sounds really good! The fact that the ALPS RK27 potentiometers have been installed speaks as much for the mixer as for the fact that the intention was not to build cheaply but inexpensively."

BEAT.DE

"Well done oldschool rotary mixer, whose tidy layout convinces by clear structure - with handy knobs and at a reasonable price!"

musiccraft24.com



- Das unabhängige Webportal für Musik und Equipment
- Über zehntausend informative Testberichte und umfassende Vergleichstests
- Ständig neue Produkt-News, spannende Interviews und Künstlerportraits



ALUTRUS



Clever accessory

The SNAP mounting clips allow cables and sockets to be fastened to the truss in a practical and organized way.



Made in EU

Made in EU

The trusses of Alutruss are manufactured in the EU and convince by quality.

THE LATEST TREND



Black frocks, dark figures, hard riffs - what started as a freaky subculture in Scandinavia in the 1980s is becoming increasingly popular. Black Metal, described by Wikipedia as „underground music not suitable for the masses and at the same time a way of life for like-minded people“, has gained more and more followers in recent years. What is considered absolutely undesirable for the scene itself became true: Black Metal is in vogue.

The fact that this is not only true for music is shown on stages around the globe: Instead of the usual silver-colored truss construction, what you see more and more often on a dark stage is - nothing. Because black metal is also trendy here. Powder-coated, black trussing is taking stages, shops and exhibition stands by storm. Thanks to its dark surface, it reflects considerably less light than conventional aluminium trusses and thus blends in unobtrusively with the overall picture. On trade fair stands and in shop fitting, it appears elegant and modern.



All inclusive

For Alutruss trusses, the matching connectors are included in the delivery.



Gentle on the material

Matching truss protectors (SNAP) ensure that metal does not scratch on metal and result in unsightly marks.

Truss manufacturers have already adapted to this trend. Black, powder-coated trusses are available in a wide variety of designs. For example, the brand Alutruss offers 3-point and 4-point trusses with high loads in black optics with its Trilock and Quadlock lines. The systems are manufactured in the EU and are particularly suitable for fixed installations and for use on stages or in trade fair construction.



Keep rolling
Suitable transport trolleys make it easier to work with the trusses.



All in black
Black base plates serve as a perfect finish for the truss.

Singlelock



Materials used:
Alloy: EN-AW 6060 T66 (AlMgSi0,5 T66)
Main chords: 50 x 2 mm

Load table SP:		
Span (m)	Point load (kg)	UDL (kg/m)
0,5	230	465,0
1,0	115	225,0
1,5	75	150,0
2,0	55	110,0
2,5	45	90,0
3,0	35	75,0
3,5	30	63,0
4,0	25	53,0

Maximum system-length: 4 meters

Decolock



Materials used:
Alloy EN-AW 6060 T66 (AlMgSi0,5 T66)
Main chords 35 x 2 mm

Accessory/truss Item No. 1x connecting cone, 2x pivot, 2x pin 6030178U

Load table DQ1:		
Span (m)	Point load (kg)	UDL (kg/m)
1	56	113
2	28	28
3	19	13
4	14	7

Maximum system length: 4 meters

Bilock BQ2

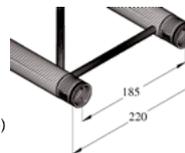


Materials used:
Alloy EN-AW 6082 T6 (AlSi1MgMn T6)
Main chords 50 x 2 mm
Braces 16 x 2 mm
Accessory/truss 2 x connecting cone, pivot, pin
Item number 6030199C

Span (m)	Point load (kg)	Load table BQ2:		
		Deflection (mm)	UDL (kg/m)	Deflection (mm)
2	698	2,2	350	1,4
4	396	9,8	174	10,9
6	263	22,1	88	27,6
8	198	39,3	49	49,1
10	158	61,4	32	76,7
12	131	88,4	22	110,5
14	113	120,3	16	150,4
16	99	157,1	12	196,4

Maximum system length: 16 meters

Decolock DQ2



Materials used:
Alloy EN-AW 6060 T66 (AlMgSi0,5 T66)
Main chords 35 x 2 mm
Braces 10 x 2 mm
Accessory/truss 2 x connecting cone, 4x pivot, 4x pin
Item No. 60301590

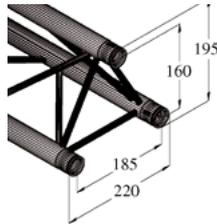
Load table DQ2:		
Span (m)	Point load (kg)	UDL (kg/m)
2	196	191
4	96	48
6	63	21
8	44	11
10	33	7

Maximum system length: 12 meters

ALUTRUS



Decolock DQ3



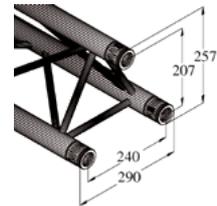
Materials used:
 Alloy EN-AW 6060 T66 (AlMgSi0.5 T66)
 Main chords 35 x 2 mm
 Braces 10 x 2 mm
 Accessory/truss 3 x connecting cone, 6x pivot, 6x pin
 Item number 6030168B

Load table DECOLOCK DQ3:

Span (m)	Point load (kg)	Deflection (mm)	UDL (kg/m)	Deflection (mm)
2	204	1.6	204	1.9
4	102	6.2	51	7.8
6	68	14.0	22	17.4
8	51	24.8	13	31.0
10	41	38.8	8	48.5
12	34	55.8	6	69.8
14	30	76.0	4	95.0
16	25	99.2	3	124.0

Maximum system length: 16 meters

Trilock 6082



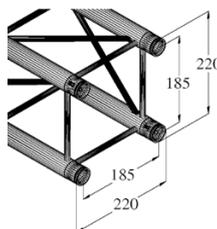
Materials used:
 Alloy EN-AW 6082 T6 (AlSi1MgMn)
 Main chords 50 x 2 mm
 Braces 16 x 2 mm
 Accessory/truss 3 x connecting cone, 6x pivot, 6x pin
 Item No. 60301895

Load table TRILOCK 6082:

Span (m)	Point load (kg)	Deflection (mm)	UDL (kg/m)	Deflection (mm)
2	718	2.2	718	2.8
4	359	8.9	179	11.1
6	240	20.0	80	25.0
8	179	35.6	45	44.5
10	144	55.6	29	69.5
12	119	80.1	20	100.1
14	103	109.0	14	136.3
16	90	142.4	11	178.0

Maximum system length: 16 meters

Decolock DQ4



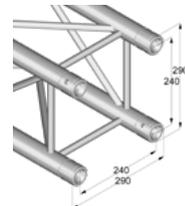
Materials used:
 Alloy EN-AW 6060 T66 (AlMgSi0.5)
 Main chords 35 x 2 mm
 Braces 10 x 2 mm
 Accessory/truss 4 x connecting cone, 8x pivot, 8x pin
 Item No. 60301790

Load table DQ4:

Span (m)	Point load (kg)	Deflection (mm)	UDL (kg/m)	Deflection (mm)
2	472	1.8	472	2.3
4	236	7.2	118	9.0
6	157	16.2	52	20.3
8	118	28.8	30	36.1
10	95	45.1	19	56.3
12	78	64.9	13	81.1
14	67	88.3	9	110.4
16	59	115.4	7	144.2

Maximum system length: 16 meters

Quadlock 6082



Materials used:
 Alloy EN-AW 6082 T6 (AlSi1MgMn)
 Main chords 50 x 2 mm
 Braces 16 x 2 mm
 Accessory/truss 4 x connecting cone, 8x pivot, 8x pin
 Item No. 60302895

Load table QUADLOCK 6082:

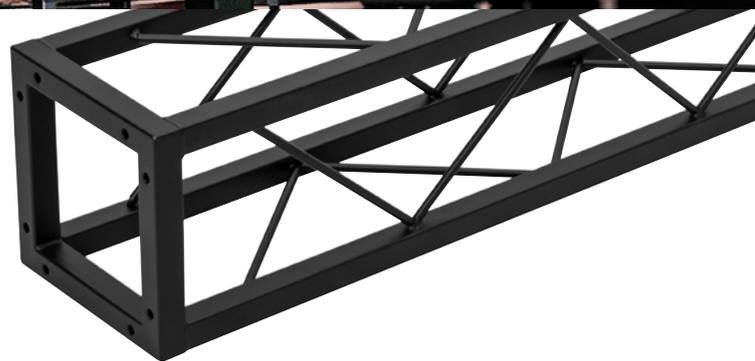
Span (m)	Point load (kg)	Deflection (mm)	UDL (kg/m)	Deflection (mm)
2	1664	2.6	1655	3.2
4	832	10.3	416	12.9
6	555	23.3	185	29.1
8	416	41.4	104	51.7
10	332	64.6	66	80.8
12	277	93.0	46	116.3
14	238	126.6	34	158.3
16	208	165.4	27	206.8

Maximum system length: 16 meters



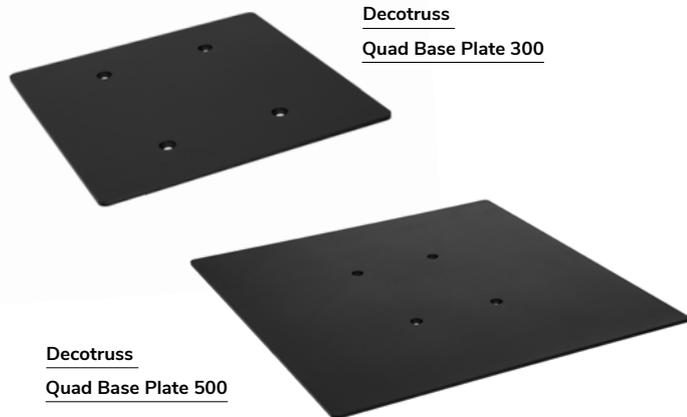
Decotruss

For purely decorative structures such as in shop fitting, there are also inexpensive, visually attractive alternatives. Under the name of Decotruss, there is now a new steel variant specially developed for decorative purposes without high loads. It is also black and powder-coated, scores with its innovative look and its comparatively very low price.



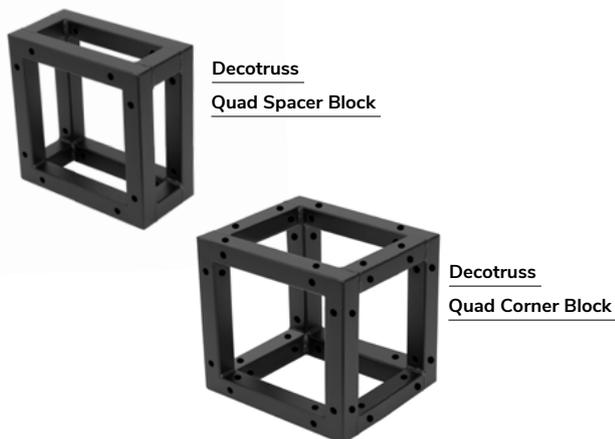
Technical data

Color:	Black powder-coated
Strut diameter x thickness:	8 mm full material
Width:	200 mm
Depth:	200 mm



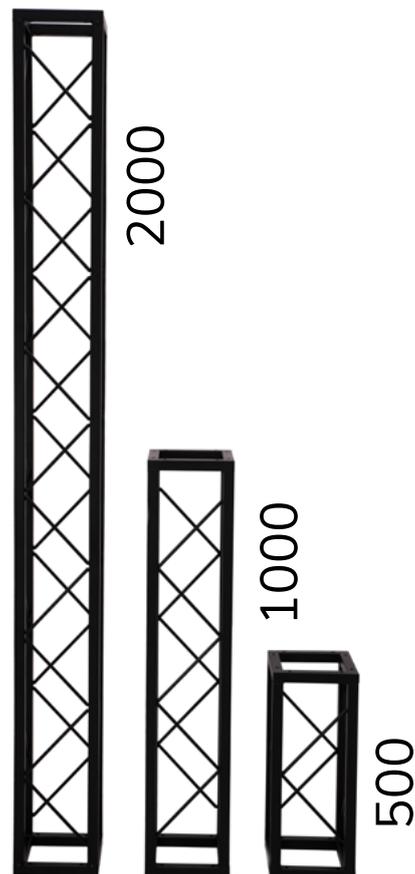
Decotruss
Quad Base Plate 300

Decotruss
Quad Base Plate 500



Decotruss
Quad Spacer Block

Decotruss
Quad Corner Block



PSSO

HIGH PERFORMANCE
WIRELESS STAGE MICROPHONE

WISE

Beryllium core oxygen-free copper output
isolation transformer

Gold-plated circuit board for high reliability of the
true diversity system

Several receivers can be operated via one
power supply unit

Integrated antenna splitter

USB service port
for software updates

Multifunctional Jog Dial and LCD for
comfortable control

Interchangeable microphone head for dynamic and
condenser capsules (compatible with Shure*)

FOH'S BEST FRIEND

WISE by PSSO is a professional true diversity wireless microphone system for stage use. Sophisticated features such as the 2.4GHz i-Sync control channel with remote access to the transmitters from the FOH and high-resolution color LCDs make working with the system comfortable. High-quality components ensure best performance and high reliability. At launch, the series consists of a one-channel and a two-channel receiver as well as a bodypack and handheld microphone, which can be switched between a dynamic and a condenser capsule.

*Shure is a registered trademark of Shure Incorporated and is not in any way associated with the brand PSSO or Steinigke Showtechnik GmbH. Reference to the trademark Shure is for the sole purpose of indicating compatibility with the system advertised above.

2.4G i-Sync "remote control"

Multicolor
LED Indicator

EVENT FURNITURE, AS VERSATILE AS THE INDUSTRY



Simon Unverdorben
Founder, CEO and
Head of Development of OnTruss

The event industry is fast and versatile: for a weekend at festivals, entire villages are built from stages, backstage areas, food stalls and sanitary facilities. For fairs and customer events, bars, dance floors and catering areas are built - and disappear again after a few hours or days. This fast pace creates special demands; not only on the people who set up and dismantle everything, but also on the materials used. Event furniture should be as robust as possible, but also attractive, quick to install and versatile in use.

A young company from Augsburg has set precisely this as its goal. OnTruss wants to revolutionize the industry with counters and seating furniture that can be built in just a few steps using trusses. We met the founder and CEO of the company for an interview.

Please introduce yourself and your company briefly: Who are you, how many people work for you and since when does the company exist?

I am Simon and the brains behind OnTruss. Our team basically consists of 4 people who work in order processing, production, sales and market-

We have the solution “for a lot of event furniture with little space”.

ing. Due to the steady growth, spun OnTruss out of my service company in 2017. Since 2007 I am active in the event industry with my partner.

Due to the close contact to customers, suppliers and colleagues, many valuable suggestions have flowed into our products.

Your core products are so-called event furniture. How did you get the idea for this and how have your products developed?

We took the first step towards the EventBoard after a customer enquiry. We noticed that existing counter solutions are very impractical, bulky and space-consuming. We didn't like the fact that after the purchase there are hardly any application possibilities and the construction is usually very complex. And we wanted a space-saving solution. The cost-benefit factor must



be convincing in the event industry. According to the motto: Take what's already there, we decided to use a counter made of trusses. But because there is no market standard for this, we spent over 2 years on development and testing. The setbacks that occurred during this time have motivated us even more. It was important to us that our system was convincing in every detail and that the added value



OnTruss Eventboard: Counter on truss construction

was clearly noticeable. I think that the end result is definitely something to be proud of. With us there is now a market standard.

What is the advantage of your event furniture over other systems or “classic” solutions?

Our event furniture is based on trusses. We target customers who usually

already use trusses and appreciate the benefits of trusses. The nice thing about EventBoard is that it has no protruding parts, is very flat and works together with all truss manufacturers. We have the solution for “a lot of event furniture with little space”. Because our system is designed like a construction kit and requires very few components, you can decide on a different shape during assembly or build the event furniture shorter or longer. Because we know that you will never have the right tools on the construction site, our system is tool-free. And Transformers also says hello: with the same basic system and the Siesta accessories, you can easily build a bench for up to 20 people from one counter. Guess how much space a 50-meter long counter

“**EventBoard is suitable for everyone who is looking for an all-in-one solution**”

takes up? If you stack EventBoard on a pallet, it is only 40 cm high. Isn't that brilliant?

Where do you see the main use for your furniture and for whom are your products interesting?

Our products are mainly aimed at rental companies, event service providers, booth builders and the hotel/catering industry. EventBoard is suitable for everyone who is looking for an all-in-one solution and wants to cover the widest possible range of applications. EventBoard Cover is the little brother of our system. It offers a sustainable and simple solution to cover trusses

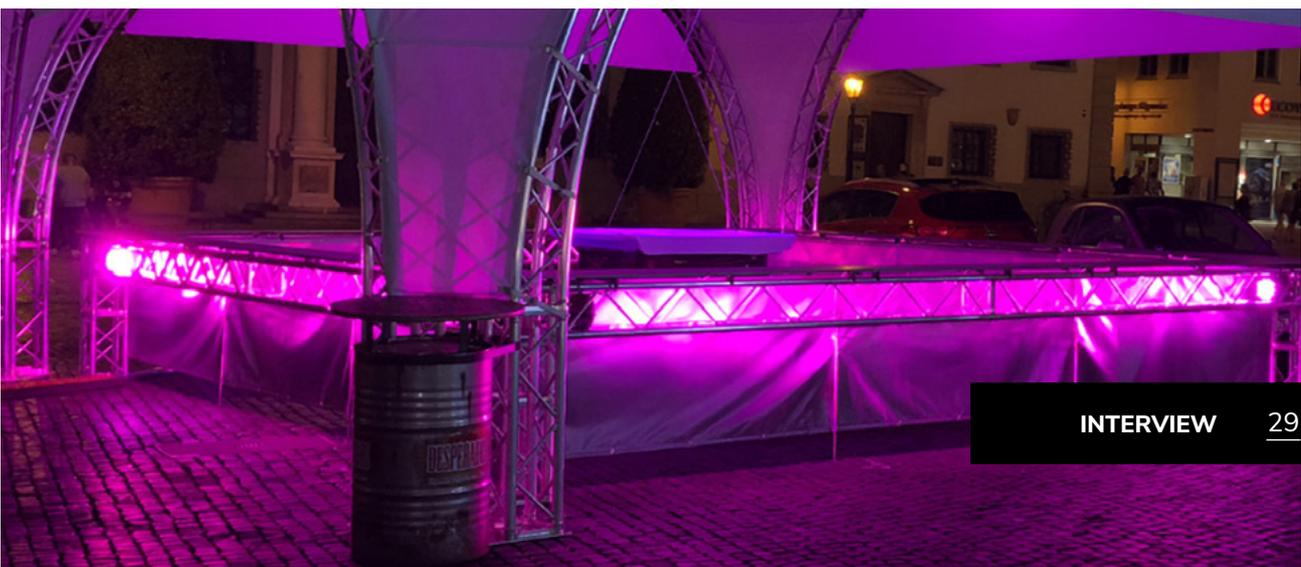


Versatile seating furniture: OnTruss Siesta

on all sides. This is always interesting when privacy or climbing protection is needed.

What do you wish for the future?

The widespread use of EventBoard and the prohibition of beer bench screw clamp counters (laughs). We find such solutions very dangerous and not suitable for professional use. For our company we wish for a further positive development and response to our products. We still have some ideas in the drawer. Be curious what is still to come...!





German quality control – what does that actually mean?

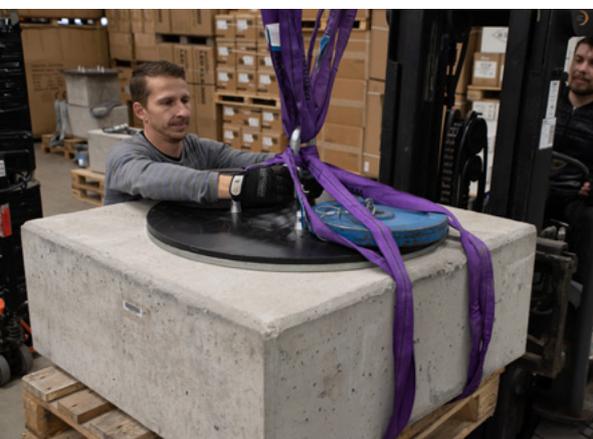
The event industry is all about big performances, impressive effects, perfect shows. The fact that something else is even more important is quickly overlooked: The safety of artists, technicians and audience ranks above any eye-catcher and has top priority.

In order to be able to guarantee that all products that reach the market and the stages of the world are really safe, the manufacturer and wholesaler Stein-

igke Showtechnic has been operating an in-house quality control since 1998. **At the company's headquarters in Waldbüttelbrunn, Germany, the team of experts checks all articles from the brands EUROLITE, FUTURELIGHT, OMNITRONIC, PSSO, ALUTRUSS, ROADINGER, EUROPALMS, DIMAVERY and OMNILUX for safety and conformity with the guidelines.** In addition, the products are put to the test under extreme conditions in the function

check. For a spotlight, for example, this also means operating it in a sauna for several days to test its heat resistance.

In the case of items that are subject to particularly high mechanical stress, such as hooks, clamps and stands, the maximum possible load is also tested. Theatre hooks and clamps are therefore successively subjected to more tensile force in the quality test. However, the maximum load tested in this way is



External inspectors

External inspections by TÜV Süd are mainly carried out for Alutruss truss systems. More about these systems can be found on page 24



*This corresponds approximately to the weight of two fully-grown, large cows.

In the test the hooks and clamps are loaded until they break. This corresponds to a load of 1.6 t* for a EUROLITE TH50-75 hook - the hook is approved for the maximum load of 200 kg.



EUROLITE
TH-270S Quick-Lock
Slim silver or black

PRO mounting clamp, quick lock screw for 45 - 50 mm tube, max. load WLL 50 kg



EUROLITE
TH50-75 Theatre
Clamp

PRO Mounting clamp for 50 mm tube, maximum load WLL 200 kg



EUROLITE
TH-5070 Quick-Lock
Coupler

PRO mounting clamp, QuickLock screw for 50 - 70 mm tube, max. load WLL 300 kg



EUROLITE
TPC-20S Coupler
Mounting coupler for 20 mm tube, maximum load WLL 10 kg



EUROLITE
TPC-32 Coupler
Mounting coupler for 50 mm tube, maximum load WLL 200 kg

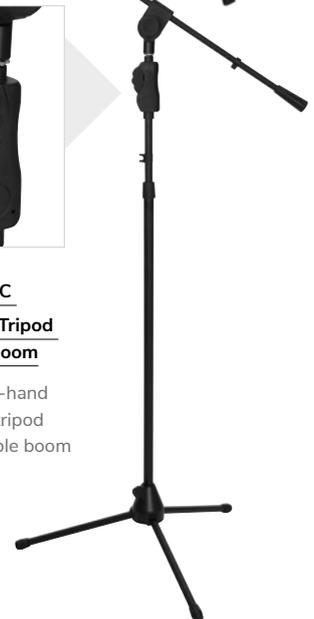
EUROLITE
STV-60-WOT EU
Steel Stand

Lighting stand, made in EU, max. load 30 kg, height 150-315 cm, black or white



OMNITRONIC
Microphone Tripod
MS-3 with Boom

Stable single-hand microphone tripod with adjustable boom



far above the maximum permitted for operation: **metal hooks and clamps must withstand at least four times the specified value. Thus, a clamp approved for a load of up to 500 kg is exposed to at least 2 t of weight.**

Mirror balls or their suspension eyelets must withstand even more. They are loaded with ten times their own weight. For a mirror ball with a diameter of 100 cm, this corresponds to a load of 310 kg - for larger balls with a diameter of 150 cm, this even means an additional load of over 1 t.

During quality testing in Germany, in addition to the tests on the device, the conformity of the products with EU directives is also checked. Only if all tests are passed successfully,

the tested item receives the desired seal "QC passed" and is allowed to be sold.

Matthias Schwab, Managing Director of Steinigke Showtechnik, explains why this effort is made in Germany and not outsourced abroad: „We want to make sure that everyone who works with and under our equipment can fully rely on its quality. Safety is our top priority, especially with such important but often overlooked parts like hooks and clamps. That's why we check these products particularly intensively at our premises and also rely on the external inspectors from TÜV Süd for many items“.

MIRROR BALLS

They are loaded with **ten times** their own weight.



roadinger®

It is innate in us: the protective instinct. It is quite natural that we hold our children's hands when they take their first steps and show them reliability. Roadinger brings this natural instinct to the show business. If you want to send your equipment on a journey or just want to store it properly - we provide safety you can rely on.

Roadinger cases are manufactured in Europe as well as in Asia. The first versions are called Roadinger PRO and are characterized by high-quality hardware components and high-quality birch wood (multiplex). Both absolutely meet professional demands.

Roadinger cases and racks are available in several hundred versions; from simple CD or document cases to amplifier and mixer racks and universal cases. The latter have flexibly attachable padded partitions and are especially practical for rental companies.



ROADINGER Universal Case Pro 80x30x30cm

PRO
VERSION

 high quality birch multiplex wood

 made in europe

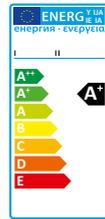


ROADINGER Universal Transport Case TDV-40 40x40x30cm

Flexibly attachable upholstery partitions



CRI>90



dimmbar

- Dimming behaviour comparable with incandescent and halogen lamps (dim-to-warm)
- Changes the light color from 3000 K (warm white) to 1800 K (extra warm white) when dimming
- Creates particularly cosy atmospheres
- Very high color rendering with a CRI of over 90



OMNILUX GU-10 230V COB 5W
LED 1800-3000K dim2warm



OMNILUX PAR-20 230V COB 6W
E-27 LED 1800k-3000k dim2warm



OMNILUX PAR-30 230V COB 12W
E-27 LED 1800k-3000k dim2warm



OMNILUX PAR-38 230V COB 18W
E-27 LED 1800k-3000k dim2warm



Meine Pflichtlektüre

BUSINESS
TESTBERICHTE
GRUNDLAGEN



Die will ich haben.

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www.production-partner.de/shop/abos

5 PRODUCTS

FOR A SUCCESSFUL LIVE BROADCAST EVENT OF THE EUROPEAN CHAMPIONSHIP 2020

20 teams will be competing for the title of European Soccer Champion in June this year. For catering and event companies this means: Full house for live broadcast events! We have put together 5 product recommendations to make your soccer event a complete success.



ELECTRIFYING

Beamer, receiver and co. must be supplied with power. Instead of hanging several extensions together, it is better to use a power distributor with enough sockets for all devices. A socket strip with IP44 classification won't let you down even in unexpected drizzle.

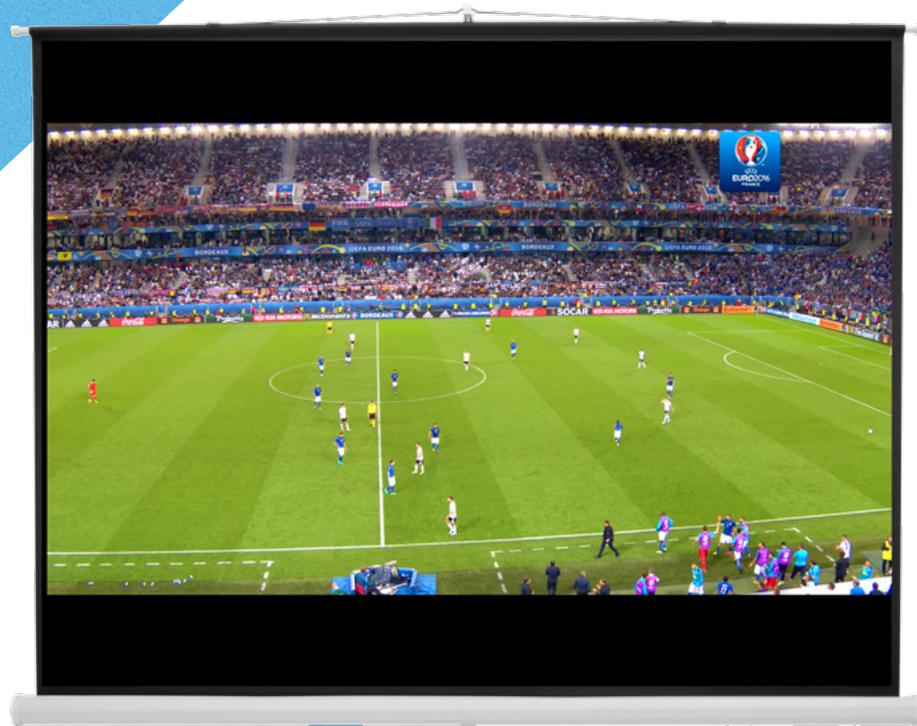
EUROLITE SBPO-1640B Power Distributor

SCHEDULE GROUP PHASE

Group phase		Match day 1 of 3	
Turkey	12.6.20 21:00	Wales	13.6.20 15:00
Italy		Swiss	
Denmark	13.6.20 18:00	Belgium	13.6.20 21:00
Finland		Russia	
England	14.6.20 15:00	Austria	14.6.20 18:00
Croatia		still pending	
Netherlands	14.6.20 21:00	still pending	15.6.20 15:00
Ukraine		Czech Republic	
Poland	15.6.20 18:00	Spain	15.6.20 21:00
still pending		Sweden	
still pending	16.6.20 18:00	France	16.6.20 21:00
Portugal		Germany	

Group phase		Match day 1 of 3	
Finland	17.6.20 15:00	Turkey	17.6.20 18:00
Russia		Wales	
Italy	17.6.20 21:00	Ukraine	18.6.20 15:00
Swiss		still pending	
Denmark	18.6.20 18:00	Netherlands	18.6.20 21:00
Belgium		Austria	
Sweden	19.6.20 15:00	Croatia	19.6.20 18:00
still pending		Czech Republic	
England	19.6.20 21:00	still pending	20.6.20 15:00
still pending		France	
Portugal	20.6.20 18:00	Spain	20.6.20 21:00
Germany		Poland	

Group phase		Match day 1 of 3	
Finland	21.6.20 18:00	Turkey	21.6.20 18:00
Russia		Wales	
Ukraine	22.6.20 18:00	still pending	22.6.20 18:00
Austria		Netherlands	
Russia	22.6.20 21:00	Finland	22.6.20 21:00
Denmark		Belgium	
Croatia	23.6.20 21:00	Czech Republic	23.6.20 21:00
still pending		England	
Sweden	24.6.20 18:00	still pending	24.6.20 18:00
Poland		Spain	
Portugal	24.6.20 21:00	Germany	24.6.20 21:00
France		still pending	



BIG PICTURE

The most important part of your live broadcast event is the broadcast of the game - and this should be clearly visible to all visitors. With a beamer you project the game onto a projection screen; these are available in different sizes.

EUROLITE Projection Screen 4:3, 1,72x1.3m with stand



THIS WAY PLEASE

Your favourite has made it into the final and you are expecting a particularly large number of visitors at your event? A reasonable visitor guidance system at the entrance or at the bar prevents crowds and shoving. Hopefully, the only place where packs are formed is on the soccer field!

EUROLITE Barrier System with Retractable red Belt



AFTERPLAY

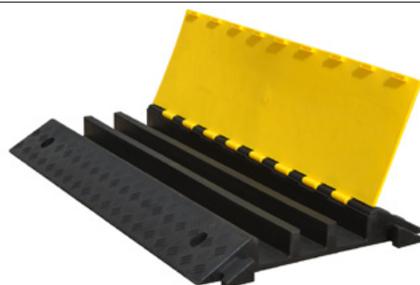
Whether out of sheer joy over the victory or to digest the defeat together: After the game, the shared experience continues. For all those whose drink supply is sacred, the manufacturer ROADINGER offers a suitable case: 6 bottles or cans are so well protected here that nothing can happen to them, even in the wildest cheering.

ROADINGER Sixpack Case 6x 0.50l Bottle/Can

NO INJURIES IN THE SPECTATOR AREA

When technology is used temporarily, cables are always in the way. To avoid tripping and injury, use noticeable, heavy cable bridges. This will prevent accidents in the spectator area even in the heat of battle during the game.

EUROLITE KB-3 Cablebrigde 3 Channels 900x500x70mm



Summer, sun, time for outdoor parties! The problem with untroubled partying in nature: Normally you won't find a power connection for light and sound equipment on the beach or on the proverbial green meadow. However, technical progress in recent years has brought the solution and, with a wide range of battery-powered products, provides freedom in designing any party - regardless of location. We have compiled a small overview of suitable equipment and a few tips for a successful outdoor party.



TOTALLY free

Battery solutions for events independent of location

SOUND

Omnitronic MES series



The mobile PA systems of the MES series from Omnitronic provide everything mobile sound needs: a 3-channel power mixer with 45 watts RMS is combined with a 2-way speaker system with 12" or 15" subwoofer (depending on the model). The integrated automatic charging system ensures that the built-in battery (optionally available) is charged when the speaker is connected to the power supply.

If no power connection is available, the battery provides up to five hours of wireless music enjoyment. And in an emergency, terminals even allow you to power the box with 12 V, for example from your car.

The built-in player can be controlled via Bluetooth: This makes it easy to stream music from your smartphone. Alternatively, a USB and SD connection as well as a stereo input for line sources are available as sources. Announcements and moderations are also possible without any problems, as the MES boxes come with 2 radio receivers with matching handheld microphones.

4-5 hours of
music playing



OMNITRONIC MES-15BT2

Wireless PA System

Portable PA system with 2 UHF receiver units, audio player and Bluetooth

Battery optionally
available

OMNITRONIC Wireless Microphone MES-series (864MHz or 830MHz)

Dynamic hand-held microphone for the MES-12BT2 and MES-15BT2 wireless PA systems



LIGHT

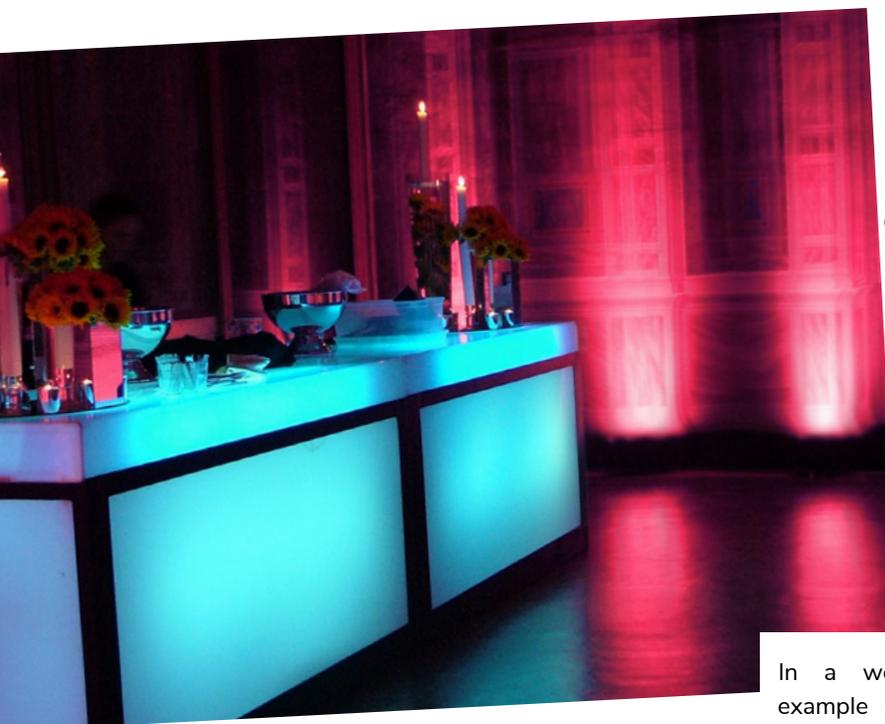
AKKU series from Eurolite



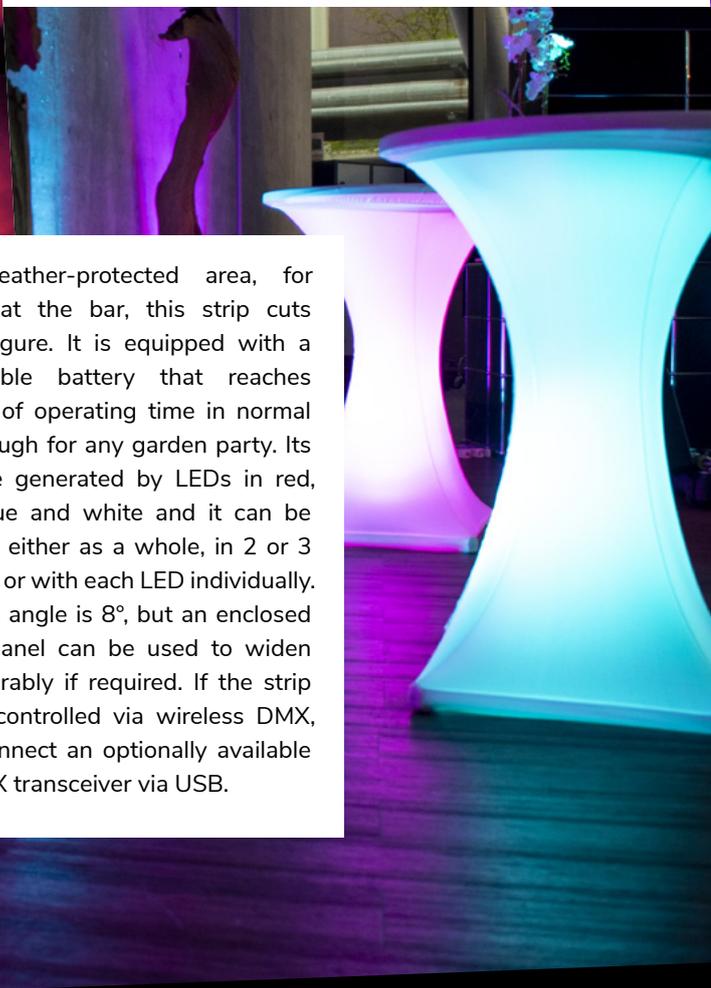
EUROLITE AKKU THA-20PC TRC
Theater-Spot black

Battery powered LED theater spot with manual brightness regulation

With the **AKKU series**, Eurolite has already launched a number of battery-powered spot lights onto the market in recent years, which shone with their flexibility. By now, the series of wirelessly usable devices includes bars and even a pure white light spotlight in addition to the classic spots for uplighting.



Cable Lock Anti-theft Protection with Combination Lock or Key



Diffusor disc for AKKU Bar-6 QCL



up to 11 hours operating time

EUROLITE AKKU Bar-6 QCL

Battery-powered LED bar with 4in1 LEDs and IR remote control



EUROLITE SB-205 Soft Bag

Universal softbag, 575 x 170 x 120 mm

In a weather-protected area, for example at the bar, this strip cuts a good figure. It is equipped with a rechargeable battery that reaches 11 hours of operating time in normal use - enough for any garden party. Its colors are generated by LEDs in red, green, blue and white and it can be controlled either as a whole, in 2 or 3 segments or with each LED individually. The beam angle is 8°, but an enclosed diffuser panel can be used to widen it considerably if required. If the strip is to be controlled via wireless DMX, simply connect an optionally available QuickDMX transceiver via USB.

If, during an outdoor event, paths, stages and dance floors are to be illuminated that could get wet in the event of sudden downpours, it is best to use battery-powered spotlights that have a suitable IP classification. It indicates how protected they are against dust, objects and water.

In the Eurolite battery series, these devices can be recognised by the prefix "IP" in their name.

"IP"

up to 9 hours
operating time
IP 65

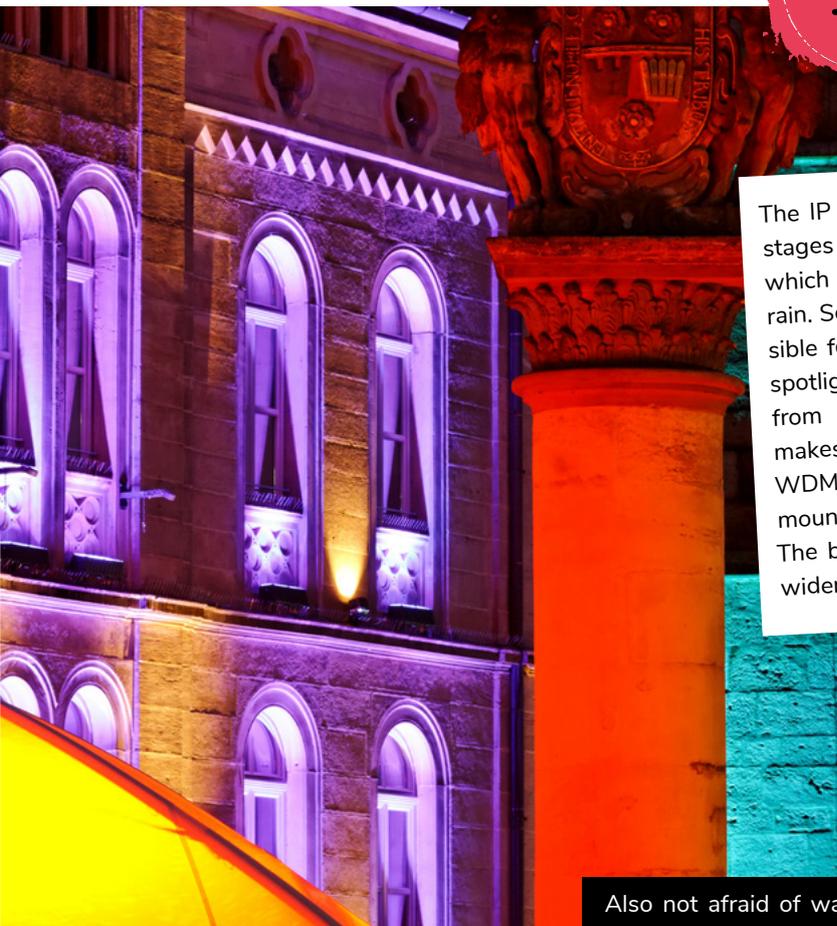


WIRELESS SOLUTION
MADE IN SWEDEN

EUROLITE AKKU IP PAR 7 QCL WDMX

IP65 rechargeable battery-powered spotlight with RGBW LEDs, WDMX, frost filters and IR remote control

The IP Par 7 QCL battery is ideal for lighting outdoor stages and dance floors. This spotlight is IP 65 classified, which means it is even suitable for operation in heavy rain. Seven LEDs with RGBW colour mixing are responsible for the light. The integrated battery supplies the spotlight with power for about 9 hours. A transceiver from the Swedish manufacturer Wireless Solutions makes it possible to control the spotlight wirelessly via WDMX. With the double bracket, the spotlight can be mounted either vertically or suspended from a crossbar. The beam angle is relatively narrow at 8°, but can be widened to 15° or 19° by using two included frost filters.



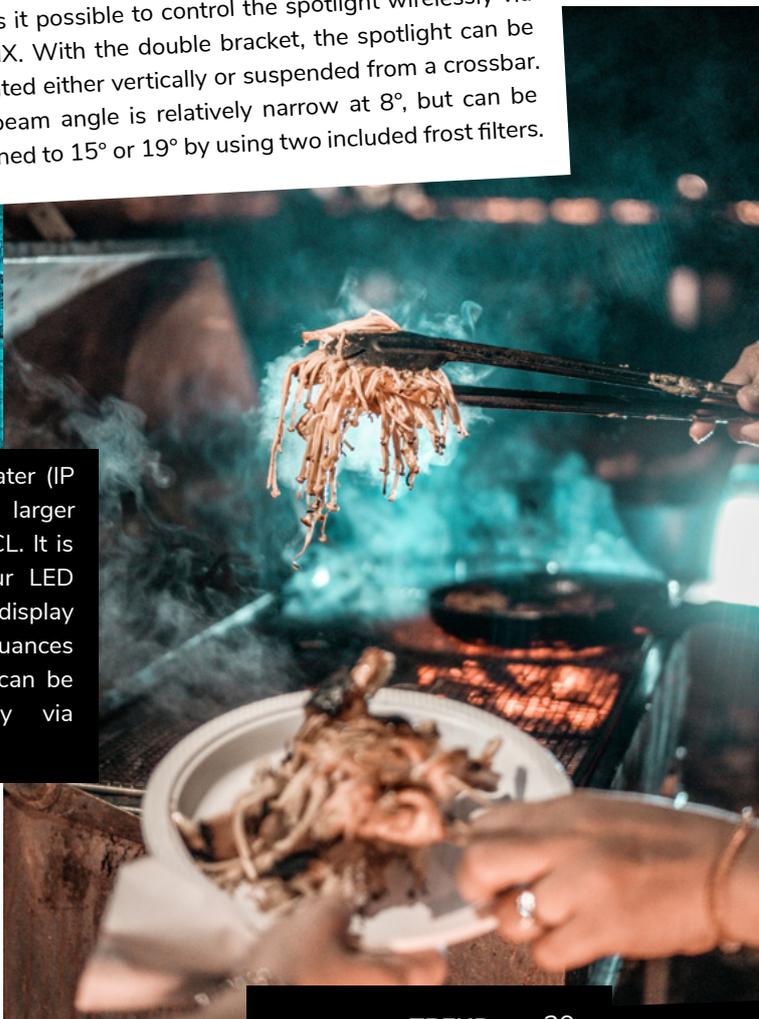
Also not afraid of water (IP 65) is the slightly larger battery IP Par 14 HCL. It is based on a 6-colour LED and can therefore display countless colour nuances up to black light. It can be controlled wirelessly via QuickDMX.

up to 26 hours
operating time
IP 65



EUROLITE AKKU IP PAR 14 HCL QuickDMX

IP65 rechargeable battery-powered spotlight with RGBWA+UV LEDs, QuickDMX, diffuser discs and IR remote control



LIGHT

very flexible

A particularly flexible outdoor spot is the Akku IP UP-4 Plus HCL Spot WDMX from Eurolite. Behind the long name hides the summary of many advantages of the Uplight:

First there is the exchangeable battery. If this is empty, the spotlight as a whole does not need to be charged. Instead, the battery is simply removed without tools and replaced by a fresh battery. One battery supplies the spotlight with power for about 9 hours. The charge level can be read directly from both the spot light and the battery.

The battery is charged either in the spot, directly via the supplied mains adapter or in an optional case. This case offers space for four spots and charging trays for 8 batteries and charges them even when closed and stacked. The uplight is IP65 classified like its already mentioned colleagues. Its light is generated by modern 6-color LEDs, which can produce not only trendy colors, but also beautiful pastel shades and even black light. The color mixture is extremely homogeneous and the beam angle of 16° can be widened with the included frost filter. A transceiver from Wireless Solution is also integrated; this can both receive wireless DMX signals and generate and transmit them for master-slave operation.

These features make the IP UP-4 Plus HCL Spot WDMX a flexible all-rounder for use at any outdoor event. Whether as groundbreaking lighting at the entrance, as decorative uplight on trees and buildings or as eye-catcher at the bar - with a case full of these spots you are prepared for everything.



up to 17 hours
operating time

EUROLITE AKKU UP-7 QCL Spot Quick DMX

Uplight with 7 x 8 W 4in1 LED and QuickDMX transceiver, frost filter and IR remote control



Rain Cover for AKKU UP-7 QCL Spot Quick DMX and AKKU IP UP-4 Plus HCL Spot WDMX



up to 9 hours
operating time
IP 65

EUROLITE AKKU IP UP-4 Plus HCL Spot WDMX

IP65 uplight with replaceable battery, RGBAW+UV LEDs, WDMX and IR remote control



exchangeable battery and diffuser disc

ROADINGER Flightcase 4x AKKU IP UP-4 Plus HCL Spot WDMX with Charging Function



WIRELESS SOLUTION
MADE IN SWEDEN



LIGHT

absolute
lightweight

EUROLITE AKKU KLS-180 COMPACT LIGHT SET



The new KLS-180 rechargeable compact light system is ideal for sheltered dance floors: The 16 LEDs divided into 4 spots offer color mixing based on red, green, blue and white. Additionally, there are 4 white stroboscope LEDs. A special device is used to attach the KLS-180 rechargeable battery to a stand; the KLS-180 can thus be attached to a speaker stand rod and a speaker box can be mounted even above it. The bar can also be hung up. The new Quick DMX USB socket is also provided for wireless operation.



up to 12 hours
operating time

including
transport bag



DECO

for special atmosphere



What would a party be without the right decoration?

Depending on the theme and surroundings, the right

decoration transforms the party location into an

atmospheric escape from everyday life. Themed parties

benefit immensely from accessories matching the theme,

beach and garden parties get their own relaxed flair.

Small torches along the way spray party atmosphere already at the entrance of a party.

If real fire is too dangerous for you, simply use the battery-powered version with LED light. The AKKU FL-1 from Eurolite, for example, imitates real torchlight for up to 20 hours on one battery charge. It can be easily anchored in sand or earth with the supplied stake and, thanks to its IP44 rating, can withstand even light rain.



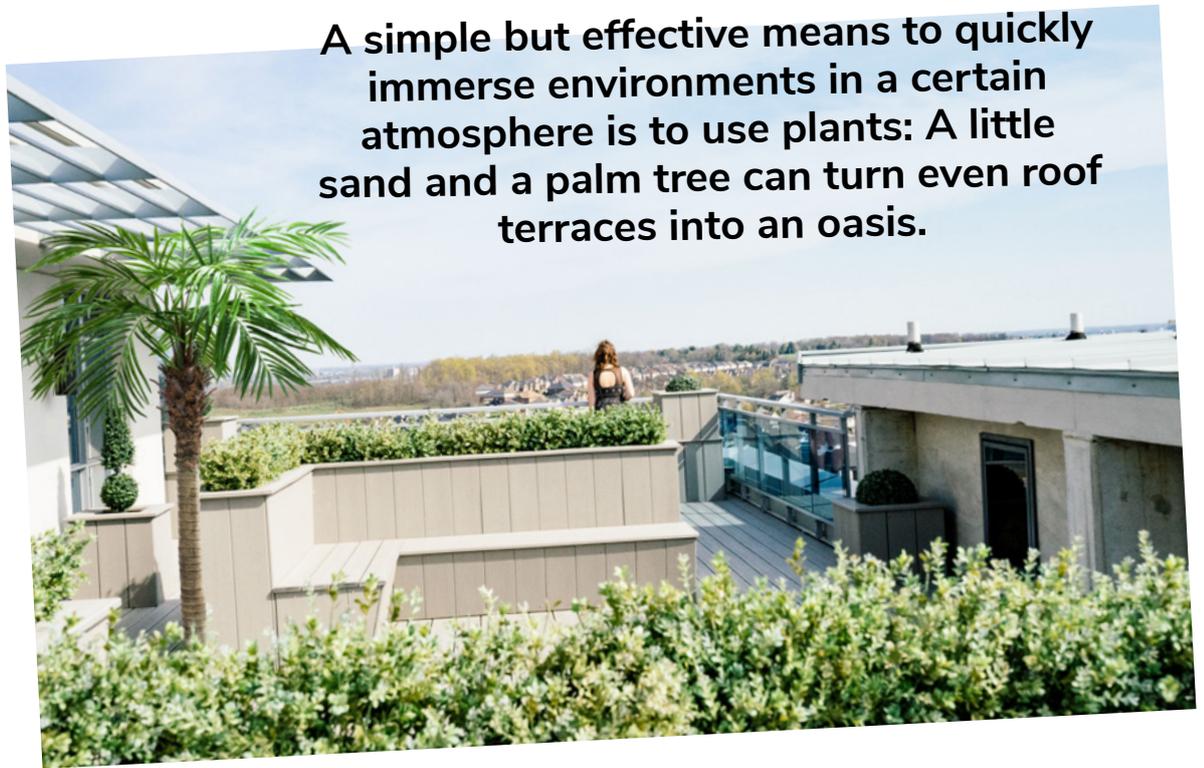
EUROLITE AKKU FL-1 LED-Flamelight
Weatherproof LED flame light effect



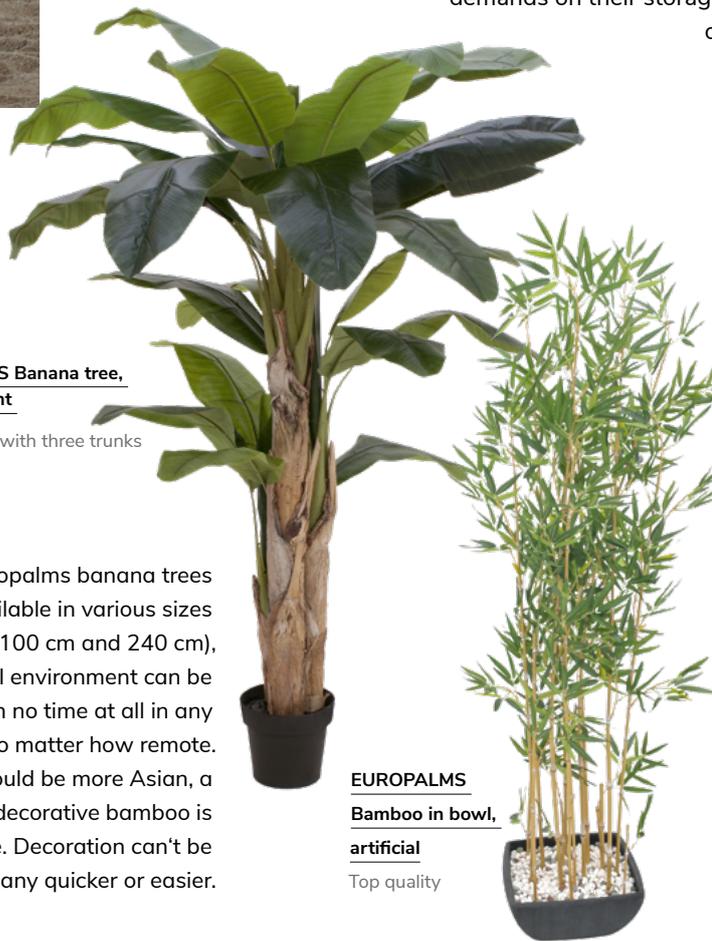
up to 20 hours
operating time
IP 44



A simple but effective means to quickly immerse environments in a certain atmosphere is to use plants: A little sand and a palm tree can turn even roof terraces into an oasis.



However, since real plants are difficult to transport and delicate to handle, artificial plants are an alternative. Nowadays, these artificial imitations are hardly distinguishable from their real counterparts, but they make no demands on their storage space as long as they are not needed, and can often even be folded or taken apart for transport.



EUROPALMS Banana tree, artificial plant

Banana tree with three trunks

With Europalms banana trees (available in various sizes between 100 cm and 240 cm), a tropical environment can be created in no time at all in any location, no matter how remote.

If it should be more Asian, a look at the decorative bamboo is worthwhile. Decoration can't be any quicker or easier.

EUROPALMS Bamboo in bowl, artificial

Top quality



EUROPALMS Phoenix palm, artificial plant, 240cm

Phoenix palm with tuber trunk

And now: Get started! Equipped with the right equipment, there's nothing to stand in the way of a party independent of electricity and location. We wish you a great summer and lots of fun at the party!

Weatherproof Outdoor Spots



Wind and weather cannot do anything to these spots: The spots of the IP series from Eurolite are real open-air fans. All spots and strips are weatherproof according to IP65, so that they can be used on outdoor stages, at festivals or at open-air concerts without any problems. The spotlights are also ideal for architectural lighting.





IP PAR SERIES

DIFFERENT MODELS

The IP PAR fixtures differ in the number of LEDs - either 7, 12 or 14 LEDs - and the color mixture. You can choose between a color mixture of four (red, green, blue and white), six (red, green, blue, amber, white and UV) or seven colors (red, green, blue, amber, cool white, warm white and UV). The latter not only allows exceptional pastel shades, but also excellent white tones in various color temperatures.

EQUIPMENT

The IP PAR spotlights are equipped with weatherproof DMX and T-Con connections, which allow several devices to be connected in series. The installed double brackets allow both a hanging and a standing installation. Optionally available are matching diffuser discs that can be magnetically attached to the spotlight. They change the beam angle to 40° or 15° x 60°.

Available with 4 or 7 colors in color mixture.

EUROLITE LED IP PAR 12x9W SCL Spot or 12x8W QCL Spot

15x60°

40°

Diffuser discs optionally available.

Available with 4 or 7 colors in color mixture.

EUROLITE LED IP PAR 7x9W SCL Spot or 7x8W QCL

EUROLITE LED IP PAR 14x10W HCL or 14x8W QCL

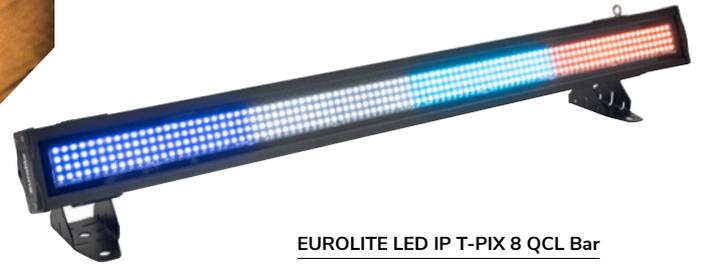
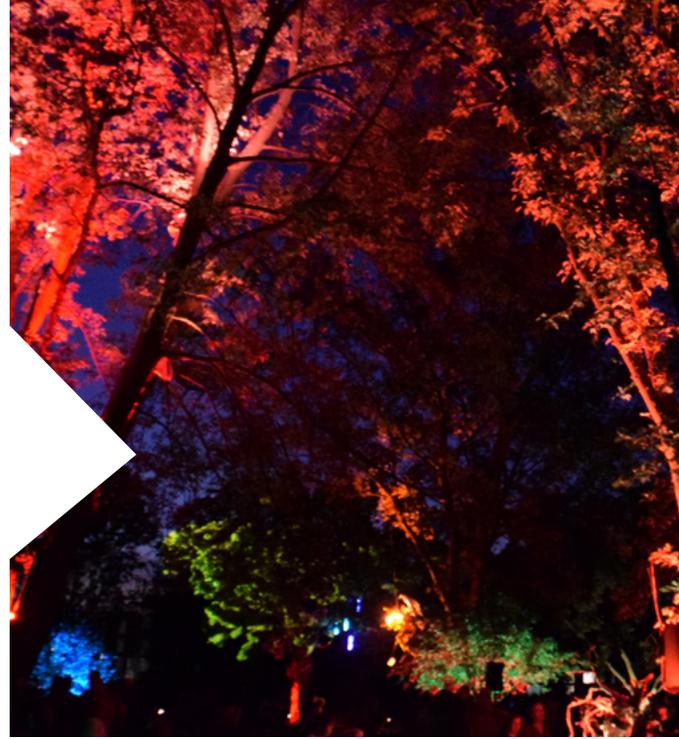
Available with 4 or 6 colors in color mixture.

Diffuser discs included



**EUROLITE LED IP Tourlight 120 WW
or QCL**

Weather-proof LED spot (IP65) with
warm white 100 W LED, CRI > 95 or
120-W-RGBW-LED



EUROLITE LED IP T-PIX 8 QCL Bar

Weatherproof (IP65) bar with RGBW
color mixing and segment control



EUROLITE LED IP T-PIX 12 HCL Bar

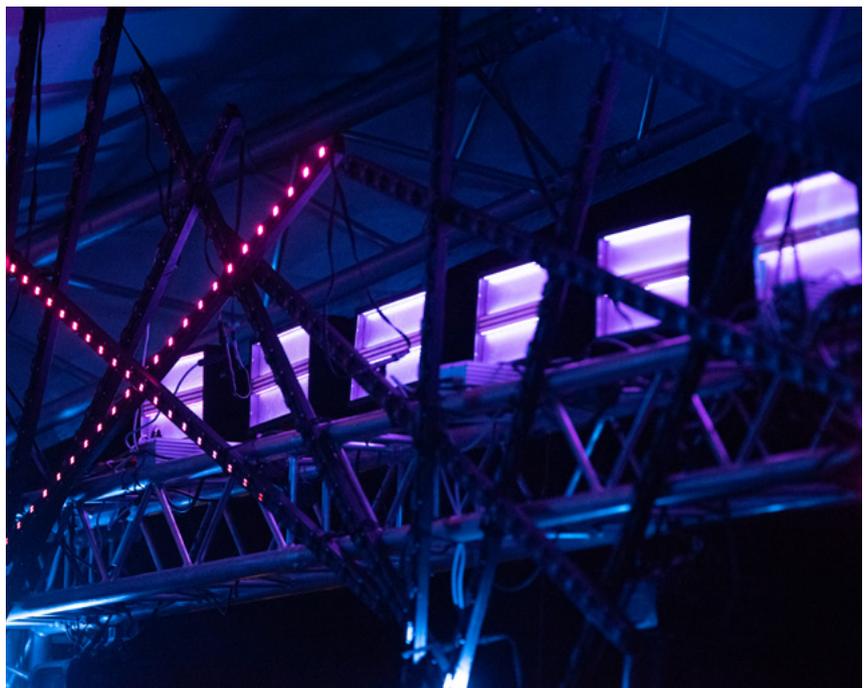
Weatherproof (IP65) bar with RGBAW+UV
color mixing and pixel control





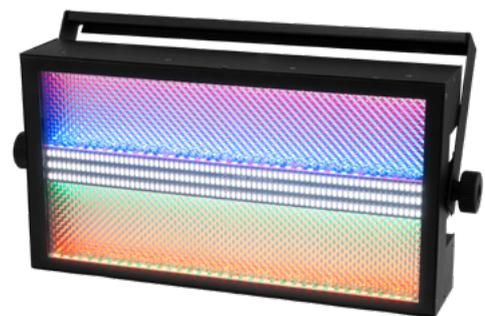
LIGHT FOR TEN THOUSAND DANCERS.

The Lower Franconian village of Gemünden am Main is known for its tranquility 364 days a year. As a cozy wine village, the small town attracts tourists. But at the end of August the image changes for a day: Tens of thousands of dance lovers swarm to a small peninsula on the river Main to take part in the one-day festival "Tanzinsel".



EUROLITE LED Super Strobe ABL

Strobe, blinder and ambient light in one device: 3in1 LED effect light with RGB color mixing





The “Tanzinsel Open Air” took place for the seventh time in 2019. 10,000 techno fans celebrated for 12 hours to DJ sets from scene-names like Deborah De Luca, Fritz Kalkbrenner, Moonbootica and Oliver Koletzki. Brian Krahmer and Simon Hanke, who had already made a name for themselves regionally under the name “LED Light Boys” for their extraordinarily creative designs, were responsible for the lighting design of the festival stage.

For the design of the stage, the lighting engineers used equipment of the brands Eurolite and Futurelight. After dusk, the illuminated festival stage provided an impressive atmosphere with a view of the Main and the Scherenburg. To create a powerful effect behind the DJ desk, 15 stroboscope effects were installed across a width of nine meters. Beam moving heads were positioned so that the strong beams of light shot into the length of the festival area, directing the visitors’ attention to the stage.

When designing the stage lighting, the two lighting designers also attached importance to supporting the acoustic experience of the audience and not disturbing it. Simon Hanke: “Three NSF-350 LED fog machines

with ultra-fast dissolving fluid were also placed on the basses in front of the DJ’s desk and, with the LED ring around the nozzle, had a great fake CO2 effect even during the day. We are not fans of real CO2, because here the drop is often acoustically “spoiled””.

In 2020, the Tanzinsel will once again transform Gemünden am Main into an electro paradise for one day. After last year’s success, it will be interesting to see what the organisers and lighting designers come up with for the eighth edition of the open air. More information about the festival can be found at www.tanzinsel.de.



FUTURELIGHT Color Mega Wave.i LED Moving Bar

Quadcolor Moving Head with two separately tiltable LED bars and six beams with 40 W COB LEDs



**EUROLITE Multiflood Pro IP SMD
RGBW Strobe/Wash**

Outdoor pro: Weatherproof (IP65)
3in1 LED effect light with RGBW
color mixing



**EUROLITE NSF-350 LED Hybrid
Spray Fogger**

Big show: DMX fog machine with
1500 W, LED illumination, vertical/
horizontal fog output



FUTURELIGHT DMB-160

Not to be missed at big stages: PRO
beam Moving Head with 150 W COB
LED and many features



FUTURELIGHT DMH-200

Projection artist: PRO beam/wash Moving
Head with 200 W COB LED and large
zoom



INTERVIEW



LED
LIGHT
BOYS

LED Light Boys

Simon Hanke and Brian Kraemer were responsible for the lighting design on the Tanzinsel in Gemünden.

The **LED Light Boys** stand for individual light and concept installations. The two lighting engineers Brian Kraemer and Simon Hanke have long been an integral part of Würzburg's nightlife. Brian Kraemer is also the owner of the Würzburg club "Katze". No wonder that they know exactly what is important for the lighting technology of a club or event. We met the ambitious collective for an interview.

Since when have you been working together as lighting technicians? How did you get the idea to found the LED Light Boys?

Well, we can't say exactly. I think it was when we installed the LED strings (Eurolite PSS 4/150) in Club Katze and worked intensively with the Madrix software. After that we were hungry for more. That was in autumn 2017 and one year later we bought the remaining stock of Eurolite Pixel Strings (approx. 200 m) from Steinigke Showtechnic. After that we had a lot of work ahead of us, as these are flexible

strings - and if they are not moulded into a shape, they are not so nice to look at.

So we barricaded ourselves in the basement for a few days and nights. The result after sinking the nearly 4000 screws was awesome: We had 2.65 m straight, long strings with 7.5 cm pixel pitch and 5 m straight, long strings with 15 cm pixel pitch. Such lengths are not available on the market. Our strings are pure effect strings. Many clubs or festivals rely on an LED wall behind the DJ desk and believe that they have something great with finished effects. Not a chance!

Most of the time this wall only makes a damn bright light and is also very expensive to buy. Normally an LJ would have to be on duty the whole evening to use it effectively. So our strings offer a great alternative for a stage set behind the DJ.

We got the chance to present our strings for the first time in public at an "Exit:Maschinenhaus" event at the "Bürgerbräu" area in Würzburg. Sebastian Kunz and Adam Cieplak (organizer of the Exit event series) approached us after they had seen our installation at the "Katze" club. Of course the "Maschinenhaus" with its ceiling height of almost 7 meters was a challenge.

So the LED Light Boys were founded. Already when our pixel strings were only running in test mode, we got the first goose bumps. After the successful premiere it was clear to us that we wanted to freshen up even more events with this system. Furthermore, the system is IP65-compatible and the festival season was just around the corner.

By the way: One of the organizers threw our name in the room after seeing the result in the "Maschinenhaus".

In the past you have realized light installations for many events with well-known DJs from the electronic scene. What was the feedback from visitors and organizers?

After the prelude of the Exit party series was so well received in the "Maschinenhaus", we were allowed to design the lighting for 2 more events there. Different every time. That's the beauty of the system: Network controllers give us absolute flexibility in terms of the arrangement in the room.

The feedback of the guests was more than positive at all events. Many came to the FOH and thought it was a completely different experience. The organizers also wanted to know at the beginning what we were going to do with the light this time round.

It is very often like that in this business. If you do a good job, word gets around quickly. That's why we were allowed to design the following events in terms of lighting:

- Exit Maschinenhaus
- Exit Ruine
- Verträumte Angelegenheit
- Tanzinsel

The feedback of the organizers was always positive and we were not given any instructions in advance. It is always good if you are not restricted and can develop your ideas freely.

At this year's Tanzinsel Festival in Gemünden am Main you have completely equipped the stage with lighting technology. Which equipment did you choose and why?

At the Tanzinsel-Festival the area is very long. That means that you need lamps that shine over a long distance. The

organizers asked us in the run-up if we would be able to do that, since it is a different league than the "Maschinenhaus" or the "Ruine". We had to think about it, especially regarding the cable routes. It was clear that we had to invest here again. With our LED strings and our 7 ABL LED strobes we wouldn't have gotten far here.

Among other things we then used:

- 10x Futurelight DMH-200: These were our cannons on the array towers. Long distances are no problem for this head.
- 10x Futurelight DMB-160: We wanted a beam for the stage that works well with haze during the day.
- 8x Eurolite ABL Strobe (in addition to our 7x strobes): So we had an 8 meter long strobe behind the DJ from the stage. That was awesome!
- 10x Mega Color Wave: Especially during the day it is an effect spotlight with a lot of power.
- 4x Eurolite Multiflood Pro SMD: We used 2 units each on the 10 meter high array towers and were really flashed. Those were our field-blinders and monster strobes for the distance. It's really awesome what comes out of them.
- 2x Eurolite LED THA-250F were responsible for the lighting of the DJ desk.
- 3x Eurolite NSF-350 LED Hybrid Spray Fogger: In combination with a fast dissolving fluid, this is a blast!

What are your next projects as lighting engineers?

We want to change our strings a little bit and change them to new shapes. It is important to us to always offer something extraordinary. Something that is not off the rack. We are always looking for new lights that we can add to our setup.

Very interesting events are planned for 2020! You can find all the details on our homepage www.ledlightboys.de.



EUROLITE LED THA-250F

Theater-Spot

Fresnel spot (fresnel lens), 200 W warm white LED, CRI > 90, quiet, DMX

10 equipment tips for festival technicians

The festival season is just around the corner! And while visitors can look forward to days of open-air fun with their favorite bands, technicians and backliners can look forward to a summer full of work under the open sky, as every year. For all event technicians, roadies, stage hands and backliners, we have put together ten tips to make the busy festival summer a little easier. You're welcome!

1) Safety first

Stumbling blocks are not only annoying, but also dangerous for everyone involved. A few rolls of tearproof, highly visible adhesive tape and adhesive cable bridges should definitely be in your suitcase. With the black and yellow tape you can also mark the edges of the stage and stairs, thus ensuring safety on and off the stage.

Cable Tape 150mm x 15m

Marking Tape Antislip



2) Well packed is quickly at hand

Organization is half the battle - and good preparation will save you from running later. With a sturdy case, you not only transport your tools safely, but also documents and work equipment. We recommend a road-worthy case with trolley handle, foam padding and divided compartments. Everything from screwdrivers to the flow chart will find its place here.

ROADINGER Universal Case with Trolley



3) Little helpers for big jobs

It is best to always have the most frequently used tool with you to save yourself extra footwork. A multi-tool that combines different tools saves you space and weight on your belt. The Multi-Tool from Alutruss includes ring spanners in sizes M8, M10 and M12, a wing nut wrench and a bit connector are on board as well. And the after-work beer is also quickly opened with the integrated bottle opener.

Alutruss Trusstool Multi-Tool



4) Stay dry

Wet feet, wet hair, wet equipment? While you might be able to cope with the former, technical equipment already suffers from a drizzle. At festivals, equipment is often used that was not designed for outdoor use. A quick remedy are rain covers and protective covers for moving heads and spots. Although these raincoats are only suitable as temporary protection, they can help save expensive technology.

EUROLITE

Rain Cover Double Clamp



EUROLITE

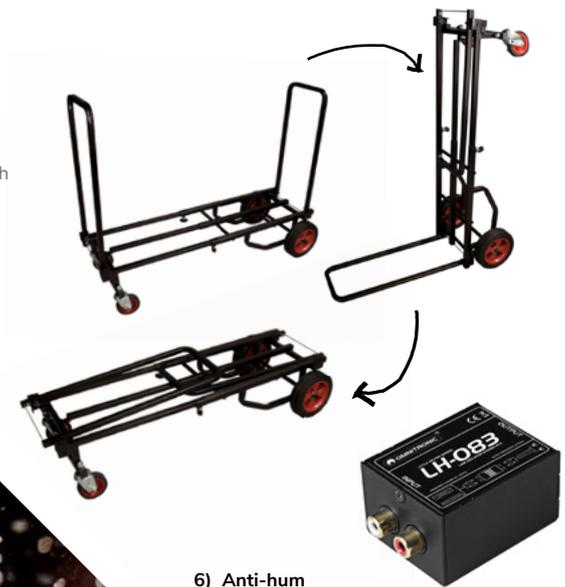
Rain Cover for AKKU Spot



5) Push, not carry

Even if you're still in the thick of it at the beginning of the season, save your strength and use a cart or trolley for transportation wherever possible. Your back will thank you for it! If you want to get a versatile transport helper, take a look at the Stage Donkey from ROADINGER. The trolley folds into a hand truck and doesn't take up much space in the car.

ROADINGER Stage Donkey



6) Anti-hum

Yes, insect protection is not wrong either - but in this case we mean the unpleasant humming loop on the PA system. Every now and then you will surely get acquainted with not only produce beautiful sounds. An isolator such as the LH-083 from OMNITRONIC can help. This little helper is available for less than 30 €; it is definitely worth the investment.

OMNITRONIC

LH-083 Stereo Isolator

7) Black on grey

Your ears are already falling off, but the band needs it even louder? Sometimes an objective measurement helps to make peace. In addition, a sound level meter can also be used to easily determine whether the volume is within the permitted range and whether the sound insulation guidelines are being observed.



OMNITRONIC

SLM-250 SPL Meter

8) Clear announcements

Coordination should be clear and understandable - and sometimes it has to work over a certain distance. A classic megaphone helps with communication problems between FOH and stage as well as for important instructions in an emergency.

OMNITRONIC MP-25 Megaphone



9) Keep the overview

You always need Gaffa - in different versions. For temporary fixations as well as markings on mixing consoles and stages, the eye-catching, narrow Gaffa in neon colors is recommended. It glows in UV-light and is therefore easily visible even on dark stages and FOH.



10) Hearing protection

Unlike most visitors, you as a technician are exposed to high sound levels for much longer and more often. To prevent hearing damage, it is recommended that you wear suitable hearing protection. The simplest solution is to wear the well-known silicone rubber earplugs, but acousticians now also offer custom hearing protection that is hardly noticeable and mutes the volume of the music without distorting the sound. The investment here is between 100 and 300 euros - but it's worth it!



FOG MUCH MORE THAN JUST THICK AIR

EUROLITE N-250 Fog Machine
Powerful DMX fogger with timer,
LCD and QuickDMX support





EUROLITE N-130 Tour Fogger

1300W touring fog machine built into a durable case



CLAIRE // Live Posthalle Würzburg

It is indispensable in the event industry: artificially generated fog. Since light rays only become visible through it, it is the fog that makes light shows really impressive. But also on show stages, in discotheques and even at weddings it is impossible to imagine being without it.

Corresponding to the range of applications, different types of fog production have developed in the last two decades. While classic fog machines tend to produce thick, gushy fog, fazers are responsible for the continuous, thinner fog film in the air. Ground fog machines generate heavy, downward sinking fog that stays on the ground like a cloud. So-called Spray Foggers create a special effect reminiscent of pyrotechnics: their vertical output, sometimes in combination with integrated LED lighting, makes fire columns a strong competitor on stage.

The devices also differ in the technology used to create the fog or haze. However, all machines are based on the simple principle that fluid is heated and thus vaporized. Depending on the fog fluid (these differ in density and standing time of the generated fog), the result is a thick, long-lasting, or a thinner, film-like fog or haze.

FOG MUCH MORE THAN JUST THICK AIR

FAZER



EUROLITE

NH-110 Tour Fazer

Powerful 1000 W fazer (DMX/manual operation),
in its own case

HAZERS

If a particularly even, thin haze film is desired, so-called hazers or fazers are used. Real hazers create very fine haze with special, mostly oil-based hazer fluid using compressed air or ultrasound. They are ideal for use at large pop concerts, where the light rays of the show should be visible, but the view of the artist is still unobstructed. Due to their special design, real hazers are also many times more expensive than their alternative - the fazers.

FAZERS

Fazers are only slightly different from classic fog machines: they generate haze from conventional fog fluid by heating it. However, the fazer then lets the generated fog run through a fan, distributing it more finely in the room than a normal fog machine. Using a suitable fluid, the optical impression of a fazer comes close to that of a hazer - at a much lower price.



Thanks to the wide range of different fog and haze machines, the user today is spoilt for choice. But once you have found the right combination of machine and fluid for you, you will be rewarded with the wow effect of a perfect production.

GROUND FOGGERS

EUROLITE Mini Dry Ice 1 Ground Fog Machine

Compact ground fog machine for dry ice operation



When using special machines for ground fog, the fog produced must be heavier than the ambient air in order for it to sink to the ground and produce the typical cloud effect. To achieve this, dry ice can be used. In this case, no fluid is needed to produce ground fog: the machine evaporates the filled dry ice under great heat, which then becomes heavy, cool fog and pours a low-lying cloud into the room. The ground fog obtained in this way is often used for television productions. However, since handling dry ice can be complicated and - for inexperienced users - dangerous, manufacturers of fog machines have developed good alternatives in recent years.

For example, there are now ground foggers that produce heavy fog from conventional fog fluid and water. To do so, the fluid is vaporized and then mixed with water atomized by ultrasound. The heavy fog-water mixture sinks to the ground and forms clouds - not quite as fluid as the fog produced with dry ice, but much easier and less dangerous to use.

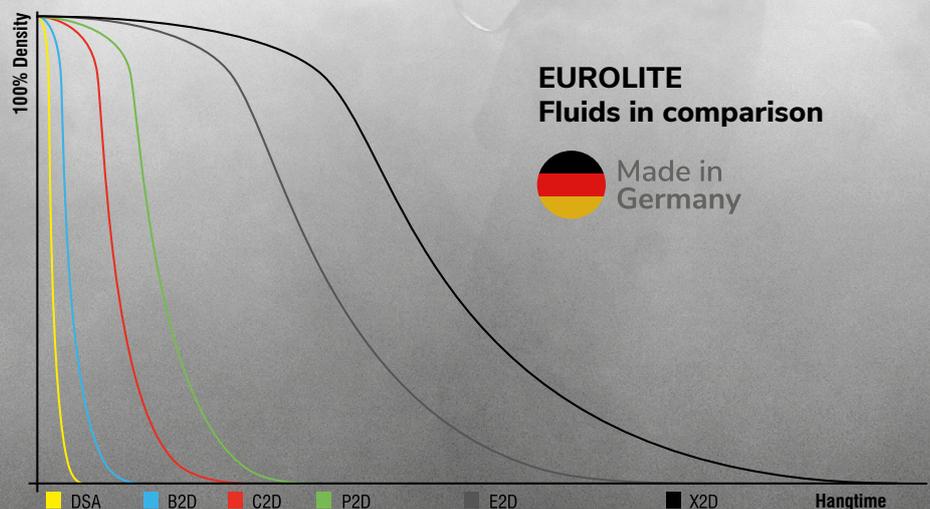


EUROLITE WLF-1500 Water Low Fog PRO
DMX machine installed in a sturdy case creates water-based floor fog



FLUIDS

Different fluids are available depending on the desired effect, service life and density. While fluids that produce less dense but long-lasting fog or haze are used to support a light or laser show, fluids for high density and low durability are more suitable for fog fountains on stage.



EUROLITE Fluids in comparison



The example of different fog fluids of the brand EUROLITE can be seen here: While the fog produced by Fluid B dissolves quickly, the fog from Fluid C takes twice as long to evaporate for the same size of room. The fog from Fluid E and X lasts the longest.

LED ENCYCLOPEDIA

BCL

Bicolor LED, i. e. an LED unit based on two colors.

2

COB

COB stands for Chip on Board. This technology describes an LED technology in which the individual LED units are placed together on one chip. This makes very narrow, bright light fields possible. This design is also extremely efficient in terms of heat dissipation.

CRI

CRI stands for Color Rendering Index. The CRI indicates how well white light renders colors. The light bulb and sun-light are used as a reference, as people are used to this and perceive it as natural. The maximum value is 100. As human skin in particular, but also multi-colored objects, are very color-sensitive, it is recommended that spot lights with a CRI of at least 80, or even better over 90, are used here.



CTB

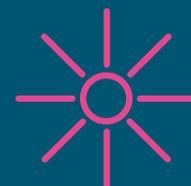
Correction to Blue. Correction filter to convert warm white light to cold white light.

CTO

Correction to Orange. Correction filter to convert cold white light to warm white light.

CW

Cold White; describes cold white light. One speaks of cold white at color temperatures above 5300 Kelvin. This color temperature is also called daylight.



DMX



Digital Multiplex: DMX is a digital control protocol used in stage and event technology to control lighting equipment such as dimmers, intelligent spotlights, moving heads and effect devices.

HCL

Abbreviation for Hexa-Color LED; describes a LED color mixing based on 6 colors.

6

LED

Stands for light-emitting diode and is a light-generating semiconductor element. Above all, it is its wide range of color possibilities and its efficiency that have helped the LED as a light source to its triumphal success.

5

PCL

Abbreviation for Penta-Color LED; describes a LED color mixture based on 5 colors.

PWM

Pulse width modulation describes a control technique for LEDs: The LED is switched on and off again and again in rapid alternation. The LED can be dimmed by changing the distances between on and off. This means that it does not actually get darker, but is only off for longer than on.

4

QCL

Abbreviation for Quad-Color LED; describes a LED color mixture based on 4 colors.



RDM

Stands for Remote Device Management. If fixtures and DMX-console are RDM-capable, the DMX-cable can be used to trigger feedback signals from the fixtures and various data of the fixture can be read out and partly changed.

SCL

Abbreviation for Septem-Color LED; describes a LED color mixture based on 7 colors.

7

UV

Stands for ultraviolet. Means a light radiation at the outer edge of visible light. UV produces the very popular black light effect, in which the actual light is not visible, but luminescent materials, for example in clothing, are stimulated to glow.



SMD LED

SMD stands for „surface-mounted-device“. This refers to small LED units that are assembled to form a large surface. Mostly this is used for floodlights, stroboscopes and blinders, i.e. spotlights with a very large beam angle.

WW

WW describes warm white light. One speaks of warm white at color temperatures of 2800 to 3300 Kelvin. This is also the color of light produced by a classic light bulb.



T-Con



Connectors for power cabling of devices. In contrast to the P-Con, the T-Con is IP 65, so it can also be used outdoors and in pouring rain. The plug is locked when plugged in and cannot be pulled out easily.

WDMX

Stands for Wireless DMX, which is a wireless transmission of DMX signals. For example, there is the so-called Quick DMX from Eurolite, which is recommended for the amateur and semi-professional sector, as well as the technology from Wireless Solution, which is considered the standard in the professional sector.

QuickDMX[®]

3

TCL

Abbreviation for Tri-Color LED; describes a LED color mixture based on 3 colors.

SLS

SLIM LINE SPOTS

New powerful spots with COB LEDs



LED SLS-30 COB QCL Floor

LED floor spot with RGBW color mixing, incl. IR remote control



EUROLITE LED SLS-30 COB WW Floor

LED floor spot with 30 W COB LED in WW, incl. IR remote control



EUROLITE LED SLS-30 COB UV Floor

Compact UV spotlight with 30 W LED, DMX and remote control

ADD A LITTLE LIME TO THE MIX



FUTURELIGHT
EYE-7 HCL ZOOM
LED MOVING HEAD WASH
Professional moving head with
6-color LEDs

A moving head in a compact format, with powerful LEDs and exceptional color mixing: this is how FUTURELIGHT describes the latest member of its EYE family. The handy moving head (7 kg weight) comes with professional features and surprises with cyan and lime-colored LEDs for color mixing. We have taken a closer look at the small moving head.

THE BASICS

The EYE-7 HCL Zoom is based on FUTURELIGHT's well known, stable base, which also served as the foundation for the previous

version (EYE-7 RGBW). A carrying handle on the side of the moving head is sufficient for transportation; even the most slender roadie should be able to carry the lightweight with one hand.

On the opposite side we find the connections: A 3-pin XLR input and a matching output for the DMX signal as well as one Powercon input and one Powercon output for the power. Also the switch for starting the unit is located there. At the front of the device the clearly arranged display with five control buttons for setting the DMX address can be found.

**JUICY LIME MEETS COOL
CYAN. SOLIDLY BUILT,
STRONG ENOUGH FOR
LARGER STAGES, BUT
HANDY ENOUGH FOR EASY
TRANSPORT.**



FEATURES

Let's get to the interesting inner values: The EYE-7 HCL Zoom features seven 6in1-COB LEDs with 17 watts each. This makes it powerful enough for show stages - but the quiet fan also makes it a suitable companion for galas and theatres. The built-in motorized zoom changes the zoom range from 2° - 15° for additional flexibility. The moving head can be controlled via DMX (optionally wireless with WDMX), but is also equipped with music control.

LIME AND CYAN

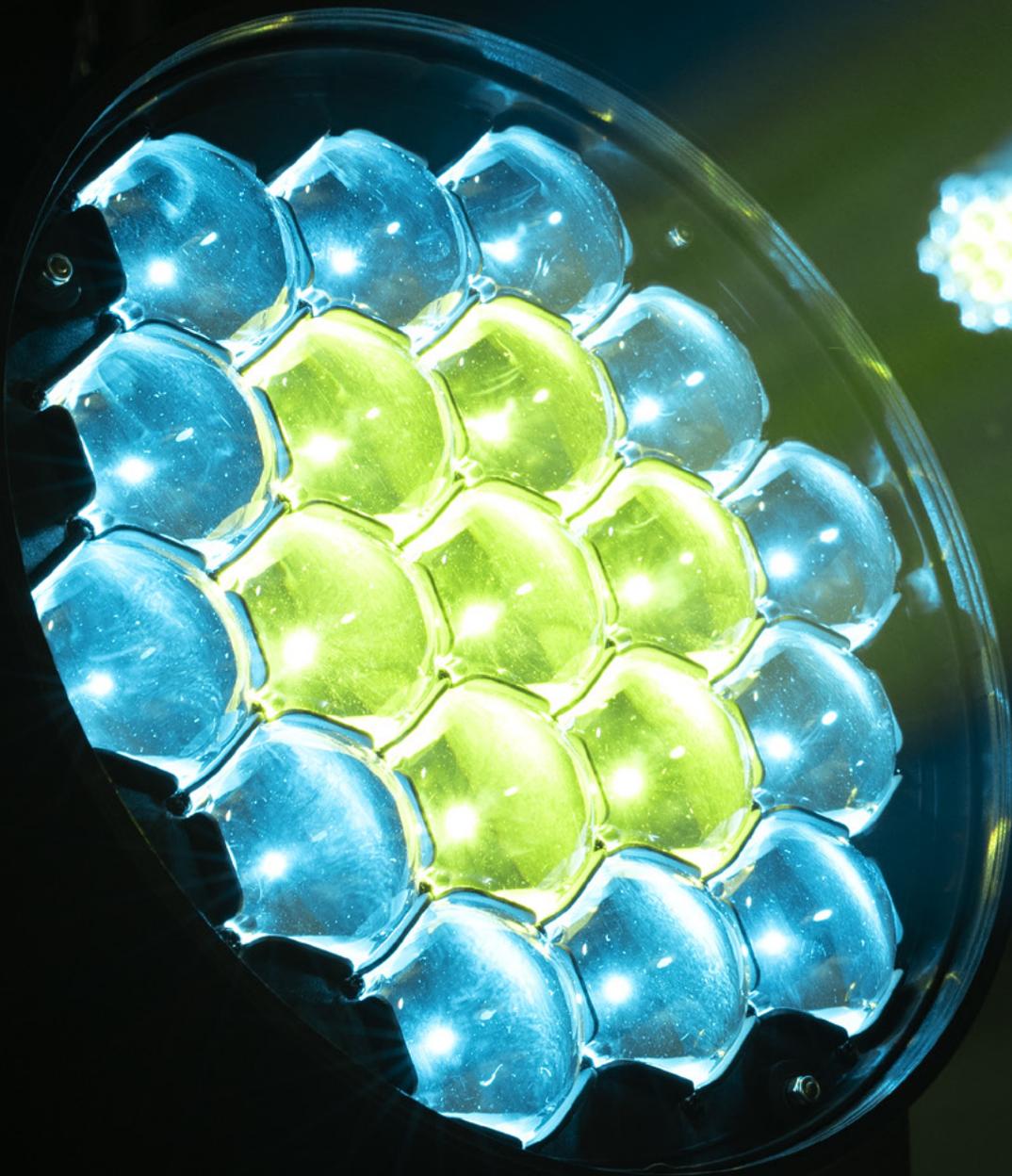
The surprising thing about the EYE-7 HCL stands out when we take a closer look at the color mixture. Besides the now well-established colors red, green, blue and amber, the exotic cyan and lime have sneaked in here. While „cyan“ can be imagined as an intense turquoise blue, „lime“ is a bright yellow-green. Both colors show their strengths when mixed with other colors: Cyan helps blue tones to achieve fascinatingly rich tones, while lime provides brilliant yellow and green tones that were previously impossible with LEDs. Adding the remaining colors results in an excellent white that is also convincing for theater use.

CONCLUSION

Solidly built, strong enough for larger stages, but handy enough for easy transport - the new EYE-7 HCL Zoom from FUTU-RELIGHT knows how to impress. Its exceptional color mixing, excellent white light and quiet fan make the compact moving head both an ideal companion for events and a flexible all-rounder for clubs and theaters.

Technical Data

Power consumption:	130 W
Power connection:	Mains input PowerCON (blue), mounting version Power supply cord with safety plug
Power output:	1 x PowerCON (gray), mounting version
Fuse:	5 x 20 mm T time-lag, 3,15 A Fuse replaceable
LED:	7 x high-power 17 W 6in1 HCL RGBALC (homogenous color mix)
Max. TILT movement:	Exact positioning (16 bit resolution) 270° Auto position correction (feedback)
Max. PAN movement:	Exact positioning (16 bit resolution) 540° Positioning switchable to 630° Auto position correction (feedback)
Flash rate:	1 - 18 Hz
Equipment:	Zoom motor-driven
DMX channels:	16; 19; 20; 33
DMX input:	1 x 3-pin XLR (M) mounting version
DMX output:	1 x 3-pin XLR (F) mounting version
Cooling fan:	Yes, temperature-controlled
Control:	Stand-alone, DMX, Sound to light via Microphone, RDM, Master/slave function, W-DMX by wireless solution upgradeable
Beam angle (1/2 peak):	2 - 15°
Beam angle (1/10 peak):	7° - 36°
Measurements (WxHxD):	24.9 cm x 34.7 cm x 17.9 cm
Weight:	7.30 kg





ADD A LITTLE LIME TO THE MIX

THE BIG BROTHER

Just as innovative in terms of color mixing, but with 19 LEDs slightly larger than the described EYE-7 HCL Zoom is its big brother: The FUTURELIGHT EYE-19 HCL Zoom also scores with its color mixture of red, green, blue, lime, amber and cyan. It has a zoom that changes the beam angle from 6° to 52° and is flicker-free thanks to variable PWM frequency.

SEVEN COLORS IN ONE LED



EUROLITE LED 7C-7 Silent Slim Spot

Inaudible 7in1 PAR spotlight in a space-saving design



EUROLITE LED 7C-12 Silent Slim Spot

Inaudible 7in1 PAR spotlight in a space-saving design

UNLIMITED DESIGN POSSIBILITIES

The 7C in the name of these LED spotlights stands for unlimited possibilities of color design: 7 colors are available for color mixing. In addition to red, green and blue, these are amber, cold white, warm white and UV.

No matter which color you want to create, this spotlight leaves nothing to be desired. Even white light can be created thanks to the color mixing with an excellent CRI value in any desired color temperature.

FANLESS AND QUIET

The spotlights are available in two versions: with 7 or 12 nine-watt LEDs. The spots do not require a fan and therefore do not produce any annoying noises. The compact metal housing is very sturdy.

The power is connected via a P-Con input and you can also loop the power through to other devices. A USB socket is available for wireless transmission of the DMX signal, into which a wireless Quick DMX receiver can be plugged directly.

The sky is the limit



M-11
STAGE FOGGER



TRADITION MEETS INNOVATION: LED IN THE THEATER



While LEDs have become indispensable in many areas of event technology, many theaters are still critical: it is often heard among theater people that LED light appears unnatural and would have an enormous number of disadvantages. But is that really the case? You have to take a more differentiated view.



Let's take a closer look at various theater tasks.

Color and color mixing

In its early days, the LED was particularly impressive because of its colorful light. Whereas in the past one had to work with color foils, roll color changers or other optical-mechanical auxiliary tools to generate colored light, the LED does so directly. A single spot light can suddenly produce hundreds of different colors. But the colors produced by the classic RGB LED are different from those produced with foils: the LED creates monochromatic colors that are significantly richer and more flashy than the foil colors.



Whether the viewer likes the classic foil colors or the LED colors more is a matter of

taste. In the past years of development, the LED has also made up for this and, in addition to red, green and blue, has produced many other colors that significantly expand the spectrum. Amber and cool white were the first to be added, which significantly improved the orange and pastel shades. Today, an LED spot light can create countless color mixtures from up to 7 basic colors.

Quiet in operation

But not only the colors are decisive in the theater. For example, it is very important for a theater spot light to work particularly quietly. While halogen lamps do not require any cooling at all, many LED spot lights have a clearly recognizable fan. But here too, a lot has changed. There are still many spot light with loud fans, especially in the low-cost segment. But in the upper price range, there are also a number of very quiet fans and even spot lights that can do completely without them and are ideal for use in the theater.

Dimming

Another important point is dimming. A good LED dimming should be even and not break at the end, but dim down cleanly until complete darkness. For a long time this aspect was considered a teething problem for LEDs, but is no longer an issue with most spot lights today. It is also often useful if the LED dims somewhat slower. This is because the LED actually reacts so quickly that, for example, any shaking on the fader is immediately visible. Therefore, many modern LED spot lights have different dimmer modes that can be set in the menu or by DMX command.

Even the dimming typical for halogen lamps, where the light becomes more and more orange-golden, can now be simulated by the LED. The Eurolite THA-150, for example, features a Fresnel lens and this function. But this characteristic is not always desired. For example, the LED also enables dimmed light without the color temperature becoming too warm, as was previously the case with halogen

lamps. And things such as a sudden black-out or flashing stroboscopic effects that the halogen lamp was unable to achieve are possible easily with LEDs.

White light and color rendering

But what about the white light? White LEDs were long said to produce greenish or grayish light, especially on human skin, and were therefore not suitable for theater lighting. In this context it is worth taking a look at the Color Rendering Index (called CRI). With the first white LEDs, this was really horrible. But if you look at the range of well-known manufacturers today, you will find many spot light that have a CRI of over 90. From a CRI of 90, one speaks of "professional white"; the spot light then also displays human skin and complex colors perfectly. And some spot lights, such as the Eurolite 7c-12 Silent Slim or the Futurelight Eye-19, can now even produce a "perfect" white in color mixing.

Profile spot lights and followers

There are now even more than usable profile spot lights and follow spots based on LEDs. Profile spots produce a hard, concentrated light and are used, for example, to illuminate the stage at long distances in the hall or to illuminate things very precisely or separately. Follow spots provide strong light for long distances - and here, too, LED devices can now easily keep up with their discharge lamp colleagues. The Eurolite SL series, for example, offers LED follow spots for small, medium, long and even very long distances. The range extends from the SL-160 for projection distances of up to 20 meters to the SL-600, which still cuts a fine figure even at over 100 meters. Also noteworthy are the SL-400, which produces an extremely bright, warm white light, and the all-new SL-350 MZF, which features a motorized zoom, focus and iris.



**EUROLITE STV-250
Follow Spot Stand,
black**

Professional follow stand for mobile lighting systems

**EUROLITE LED
SL-350 MZF DMX
Search Light**

Motorized DMX follow spot with cold white 300 W LED, zoom & focus for medium distances



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KLS

Established
technology in a
new form

No manufacturer stands for compact lighting systems more than EUROLITE. Back in halogen times, the brand invented the system with the four spots that are permanently attached to a bar with electronics. In the meantime, many other makes have jumped on this bandwagon, but with constant new versions and further developments, the brand is always one step ahead of the competition.



EUROLITE

KLS-10 ECO Compact light set

The first compact light set (KLS) on the market consisted of a tripod with four 300 W halogen lamps.





EUROLITE KLS-902 & 3002 Next

The "Next Generation" of KLS systems is a consistent further development of the classic KLS. The most modern technology, but also customer wishes have been implemented in the new design.



KLS-902 & KLS-3002 Next

The models are addressed to the demanding user who uses the systems regularly and has high expectations. They are fanless and therefore do not make any noise. This also means that no dust or dirt can accumulate inside. The power connections are realized via P-Con inputs and outputs and both systems have two IEC outlets each to supply additional effects with power. Wireless DMX and also the wireless transmission of the master-slave signal are no problem, the systems are equipped with a Quick DMX USB socket to which a corresponding transmitter/receiver can be connected without difficulty. In addition, both models feature numerous DMX modes and stand-alone programs designed by a German lighting designer, which can be called up via the display sorted by color. Also, without the need for external controllers, each spot can now be set individually in its own color.

The KLS-902 Next is designed for small and medium lighting tasks. It is equipped with a total of 20 powerful LEDs, whose color mixing is based on red, green, blue and warm white. With its 28 high-power LEDs, the larger KLS-3002 Next is also up to larger tasks: it is equipped with 6-color LEDs with red, green, blue, white, amber and UV. This provides the basis for many more color shades, even extraordinary shades and the very popular black light effect.



Equipment

The two "Next" versions are still of a very sturdy design and have TV spigots for tripod mounting as well as Omega holders with quick-lock fasteners for suspended mounting.

Accessories:

Both versions are supplied in a sturdy carrying bag and can also be operated via an optional foot control as well as an IR remote control which is included in the delivery.



KLS-120

The KLS-120 represents a very affordable entry into the world of compact lighting systems. Nevertheless, it features 12 ultra-modern LEDs and RGBW color mixing. The power is supplied via an IEC power socket and can also be passed on to other devices via a corresponding IEC output socket. And the QuickDMX USB socket for wireless DMX operation has not been omitted either. The unit is supplied in a convenient carrying bag. The system can be mounted on a standard speaker stand via a tripod sleeve; however, thanks to the integrated rubber feet, the bar can also be placed directly on the floor.



KLS-60 WW

Who says that a KLS must always be colorful? The KLS-60 WW offers 4 warm white spots. The spots have a beam angle of 5° and are therefore very nice to use for example as beams in fog or to illuminate a mirror ball. With the included frost filters, the beam angle can be extended to 15° or 22°. This makes the bar ideal for illuminating things or even people. And it even does this very well: the white has an excellent color rendering index (CRI) of over 90, so the light does not appear grayish or greenish on the skin, but healthy and natural. The KLS-60 WW can be suspended using two Omega holders with quick-lock fasteners. It can be controlled via DMX, stand alone, a supplied IR remote control or wirelessly via the Quick-DMX-USB interface.

Produkt:	KLS-120	KLS-902	KLS-3002	KLS-60 WW
Power consumption:	30 W	125 W	225 W	50 W
Power connection:	Mains input IEC connector (M)	Mains input P-Con (blue)	Mains input P-Con (blue)	Mains input P-Con (blue)
Power output:	1 x IEC connector (F)	2 x IEC connector (F) 1 x P-Con (gray)	2 x IEC connector (F) 1 x P-Con (gray)	1 x P-Con (gray)
LED:	each spot 3 x highpower 8 W 4in1 QCL RGBW	each spot 5 x high-power 7 W 4in1 QCL RGB/WW	each spot 7 x high-power 10 W 6in1 HCL RGBWA/UV	4 x high-power 15 W WW 3200K, CRI>90 Ra
DMX channels:	4; 7; 19	3; 4; 6; 8; 16; 20; 18	2; 4; 6; 10; 24; 28	1; 3; 4; 5; 7; 8
Cooling Fan:	No, cooling by convection	No, cooling by convection	No, cooling by convection	No, cooling by convection
Control:	Stand-alone, DMX, IR remote control, Sound to light via Microphone, QuickDMX via USB (optional), Master/Slave function, EASY SHOW	DMX, Stand-alone, Sound to light via Microphone, Wireless footswitch (optional), QuickDMX via USB (optional), IR remote control (provided), EASY SHOW	DMX, Stand-alone, Sound to light via Microphone, Wireless footswitch (optional), QuickDMX via USB (optional), IR remote control (provided), EASY SHOW	Stand-alone, DMX, IR remote control, Sound to light via Microphone, QuickDMX via USB (optional), Master/Slave function
Beam angle (1/2 Peak):	18°	16°	19°	5°, 15°, 22°
Beam angle (1/10 Peak):	34°	32°	35°	10°, 30°, 48°
Attachment:	Flange system 35mm	TV spigot system 28mm	TV spigot system 28mm	TV spigot system 28mm
Dimensions (WxHxD):	59,5 cm x 22,0 cm x 9,0 cm	108 cm x 28 cm x 6 cm	128cm x 29 cm x 8 cm	51 cm x 21,2 cm x 12,1 cm
Weight:	3.0 kg	9.80 kg	11.14 kg	3.8 kg



COLOR CHIEF

eurolite® DMX Controller



The innovation among simple DMX controllers!

- Patching and controlling spots has never been so easy
- Developed for colored spots, simple effects and LED light sets with 4 spots – like the KLS
- For up to 8 devices with 4 spots each
- Color effects already programmed
- So many possibilities for so little money – that's unique!

Innovative control concept for colored spot lights

The Color Chief offers you an innovative control concept combining easy handling with astounding results. The DMX controller has been developed especially for colored spot lights and simpler light effects.

The power of colors

As the name suggests, the Color Chief's strong suit is its control. It supports up to 6 colors, thus it does not matter whether you have a simple RGB spot light or a complex light effect unit with red, green, blue, amber, white and UV.

Smart color effects

Do you have a color effect with only one channel for various colors? Thanks to the color wheel function, this is not a problem for the Color Chief.

Special features

Of course, the Color Chief offers more than color control. You can also adjust the dimmer, shutter and three free channels, thus you can also control simple beam effects, lasers and projectors.

Easy memory procedure

Memorizing your scenes is just as easy. When you have created a nice scene and want to memorize it as a new step you just press the Store button.

Simultaneously running chases

With the Color Chief you can run more than one chase, thus you can use several chases and scenes simultaneously.

Everything safe

The Color Chief has a USB interface that can be used to memorize the entire control panel with all its settings and programs.



DER
THEATER
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**B Ü H N E N
T E C H N I S C H E
R U N D S C H A U**

ALL white

Wedding celebrations
are booming!



Popular event locations are booked out years in advance for summertime, wedding DJs are happy about full calendars. The event technology industry has also adapted to the trend towards weddings as mega events and in recent years has increasingly brought all white equipment and accessories onto the market. From covers and tripods to lighting effects and moving heads - with this equipment nothing can stop the wedding dream in white!



Even the classic among compact lighting systems is now available in white.



EUROLITE LED KLS-180 Compact Light Set white

The KLS-180 from Eurolite is a very compact lighting set with four spots, each with four LEDs with RGBW color mixing. The KLS-180 also has four strobe LEDs in the bar. With a special bracket it can be attached to speaker stands or simply hung up. With its compact dimensions, the KLS is especially popular with wedding DJs.

easy to transport

Bag LED KLS-180



OMNITRONIC BS-2 EU Loudspeaker Stand white

High steel speaker stand, height adjustable 117-205 cm, max. load 50 kg

Especially at weddings and family celebrations, the optical effect of a rotating gobo surrounded by colored, soft light fits very well. The small moving-head is suitable for fixed installations as well as for mobile use.



EUROLITE LED TMH-75 Hybrid Moving-Head Spot/Wash COB white

The Eurolite TMH-75 Hybrid combines two devices in one housing: It is a full-fledged washlight with a wide range of color options up to black light and at the same time a spotlight with color wheel, prism and rotating gobos.

ALL white



The THA-40PC generates white light with a very high color rendering index (CRI). This means that the colors of the illuminated object are not distorted, but appear very natural. This makes the handy spotlight not only perfect for theaters and stages, but also suitable for buffet lighting.

EUROLITE LED THA-40PC DL Theater-Spot white

The THA-40 PC is a small theater spotlight that should not be underestimated. This is not to say that it is only good in theaters - but also there. It produces an excellent, warm white light with a very high color rendering index. Its beam angle is manually adjustable. The white version blends wonderfully into white rooms in permanent installations, providing excellent light in concerts, performances, exhibitions or even sales rooms.

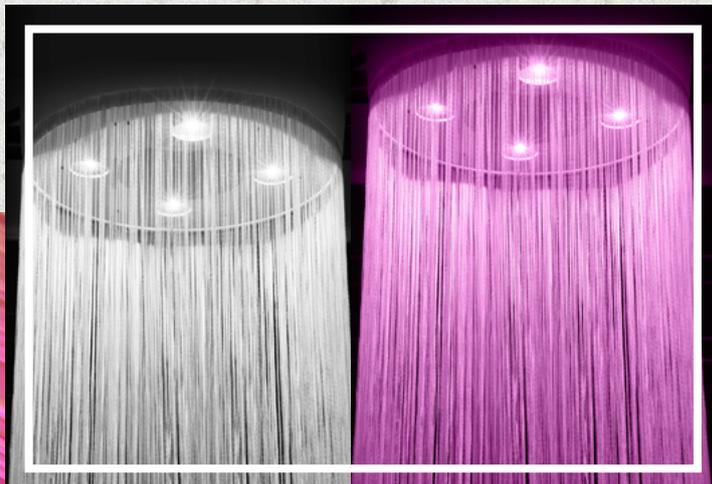


With its striking shape, the Eurolite TL-3 is not only a popular trusslight, but also ideal as an uplight for illuminating a wall or column.



EUROLITE AKKU TL-3 TCL Trusslight QuickDMX white

The small spotlight has a rechargeable battery so that it can be used independently of power connections. It also has a built-in wireless DMX transceiver: the TL-3 can receive wireless DMX from a QuickDMX transmitter and generate and transmit a DMX signal for master-slave operation.



The Color Curtain can be suspended, for example on a cross beam, or mounted on a tripod.



EUROLITE LED Color Curtain

An eye-catching design element all in white is the Color Curtain by Eurolite. The light effect consists of a long, white thread curtain attached to a round base. Four powerful 30 W LEDs with RGBW color mixing are installed in the base, which immerse the white curtain in colorful light when required, creating a special eye catcher.

To ensure that the spotlight can be used in more than just a hanging position, it has a double bracket which, when unfolded, serves as a floor stand.

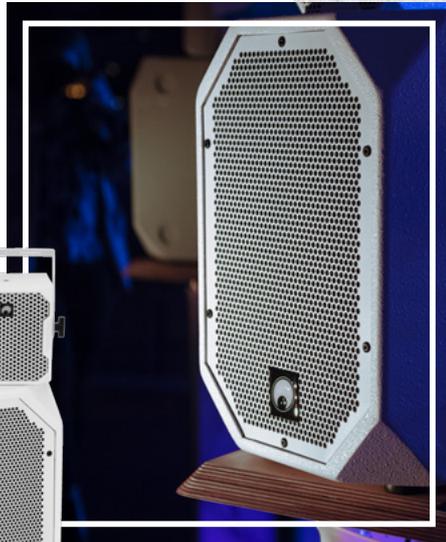
EUROLITE LED SLS-7 HCL Floor white

With the Eurolite SLS-7 HCL there is also a standard LED spotlight in white housing. The spotlight has 7 LEDs, with color mixing based on 6 colors (RGBAW+UV). This allows a wide range of moods up to black light effects. The SLS 7 HCL is equipped with a power supply input and output to loop the current onwards. It can be controlled via DMX or with the supplied remote control.



ALL white

HI, MY NAME IS
BOB



For a special eye-catcher two of these effects are placed next to each other on curved stage stands.

OMNITRONIC BOB white

With its stylish and understated design, the PA system Omnitronic BOB also blends in with the white environment. The small speakers can be used flexibly as a full-range PA for musicians, as a compact system for the DJ or for background sound reinforcement. The system can be flexibly extended and is therefore also suitable for larger parties.

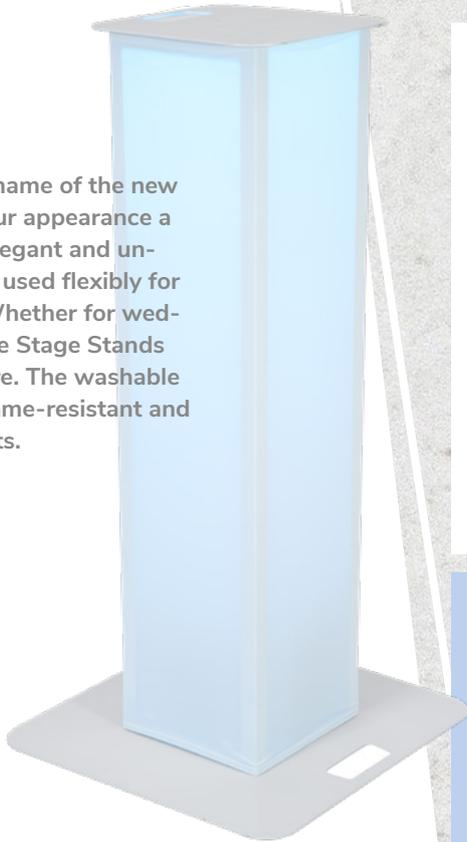


EUROLITE LED B-40 Laser Beam Effect white

The light effect Eurolite B-40 Laser produces a large number of colored light spots (in the fog you can see the beams), which are distributed all over the room. Slowly rotating, the effect creates a romantic atmosphere, with fast rotation and fast light changes it also creates a lot of action. In addition, a laser lens sits on top of the effect, creating a starry sky of red and green dots. This laser is a class 2M laser and can therefore be used by anyone and without permission.



“Stage Stands“ is the name of the new stands from Eurolite, which give your appearance a professional look. Thanks to their elegant and unobtrusive design, the stands can be used flexibly for lighting effects or speaker boxes. Whether for weddings or trade fair appearances - the Stage Stands integrate well into the overall picture. The washable covers made of stretch fabric are flame-resistant and ideal for backlighting with LED spots.



Thanks to the included spigot, speaker cabinets, lighting effects or even mirror ball mounts can be easily attached to the Stage Stand.

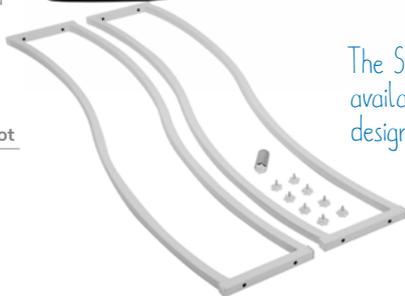


easy to transport

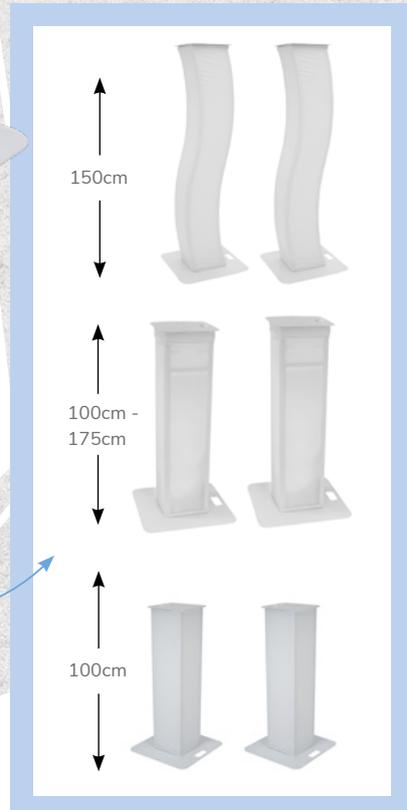
Stage Stand Plates
transport bag included



Stage Stand Poles, Spigot and Bolts
transport bag included



The Stage Stands are available in different designs and sizes.



accessories



EUROLITE Spare Cover for Stage Stand
available as a set

EUROLITE Stand Mount with Motor for Mirror balls

Do you want a mirror ball to become a special eye-catcher? With the help of Eurolite's stand mounts, mirror balls can be easily mounted on the stage stands.

The holders have an integrated motor.

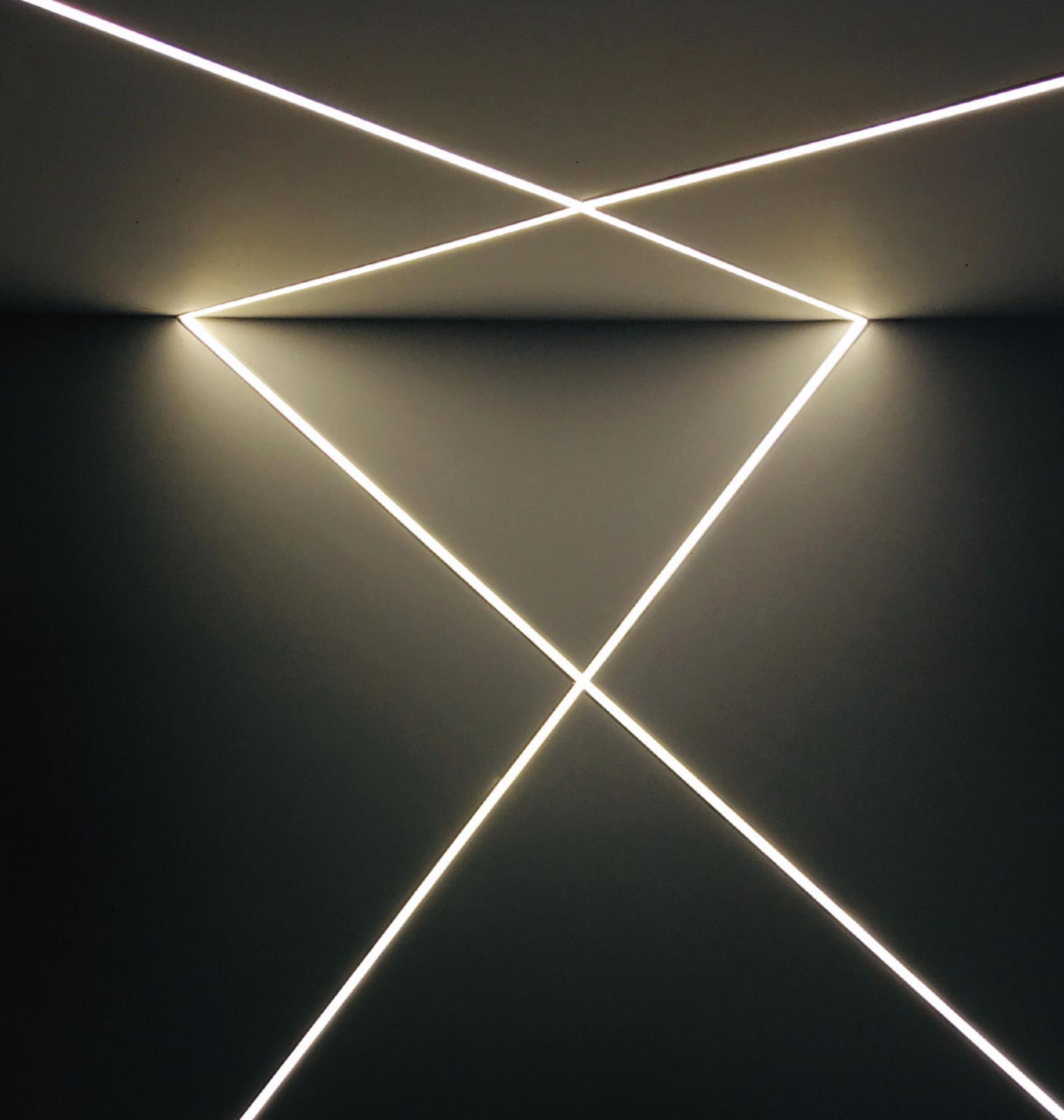




Design your rooms with light!

They are often underestimated: LED strips are versatile and changeable. They are ideal for designing rooms with light and giving them that special touch. Whether as eye-catching accents or as ambient light in the background; whether as a style element indoors or as illuminated lettering outdoors: with LED strips you can let your creativity run wild.

On the following pages we will introduce you to some different types of LED strips and their respective areas of application.



Constant Current

If an LED strip is to be drawn over long distances, it is best to use so-called Constant Current Strips. They enable illumination of long distances of up to 15 meters without loss of brightness.

Example:

EUROLITE LED Strip 900 15m 5050 RGB 24V
Constant Current



Colored Strips

Colored LED strips bring life to your design. Whether as ambient light behind pieces of furniture or as bar lighting in a discotheque: With colored LED strips you set luminous accents. In addition to strips with classic RGB color mixing, there are also strips with RGBW color mixing, in which cold or warm white LEDs are added.

Example:

[EUROLITE LED Strip 300 5m 5050 RGB/WW/CW 24V](#)

LED strips can be flexibly divided, connected and extended. To do so, they can either be soldered or strung together with the connectors available for many models. It is important that you select the appropriate width and connection contacts for the strips. In general, strips with 12 Volt power supply can be divided at shorter intervals than strips with 24 Volt. However, the latter are better suited for longer dis-

tances (more than 5 meters).

The closer the individual LED points on a strip are to each other, the flatter the lighting appears. If the individual LEDs are placed further apart, they tend to appear as individual dots. Both can be advantageous depending on the application.



Accessories

LED strips also develop a certain amount of heat during long periods of operation. To dissipate this heat, it is best to use aluminium profiles or similar heat-dissipating surfaces for installation. You can find the corresponding profiles and connectors for LED strips in specialist shops.



Design your rooms with light!

LED Strips



Strips with high CRI

The CRI (Color Rendering Index) indicates how lifelike colors are rendered in light. LED strips with a high CRI are characterized by the fact that the colors of the illuminated surfaces are reproduced very naturally. Such strips are well suited for environments where natural light is needed - for example in zoos, theater or indoor playgrounds.

Example:

[EUROLITE LED Strip 600 5m 3528 2700+5700K 24V](#)



Bendable

Thanks to their bendable base, you can attach these flexible LED strips even in tight curves. You can easily design lettering in discotheques or bars, for example.

Example:

EUROLITE LED Strip 300 5m 3528 3000K 12V bendable

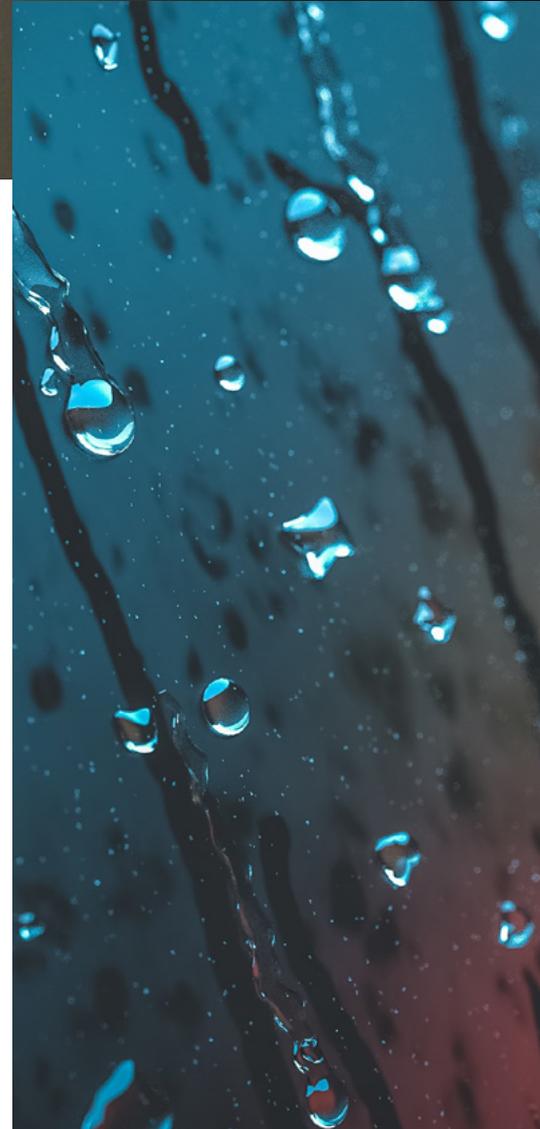


Side View

You can even bring light into narrow slits with little space: So-called side view strips require only little space during installation. They emit light evenly and powerfully to the side. So you can create luminous accents even in tight spaces.

Example:

EUROLITE LED Strip 300 5m 3014 3000K 12V Side View



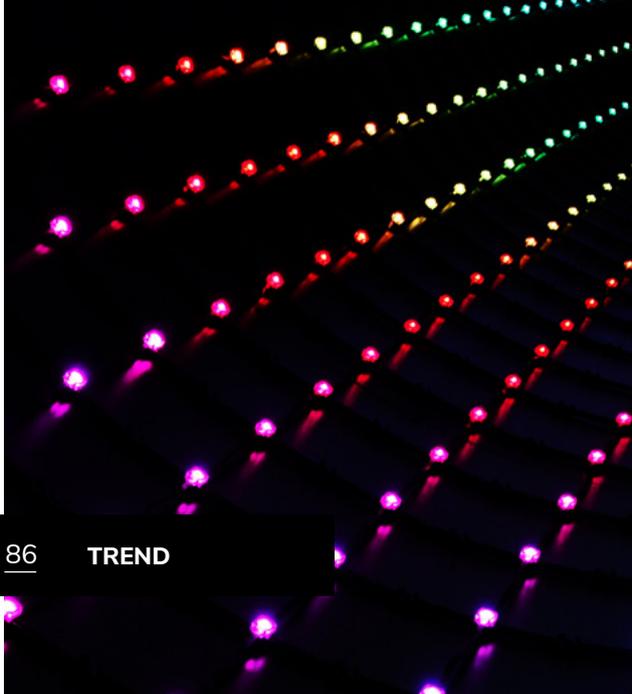
Pixel control

To display multimedia content or spectacular chaser effects, you can control each LED individually in these strips. Even color gradients and animations over larger areas can be realized.

Example:

EUROLITE LED Pixel Strip 150 5m RGBWW 5V

Tip: For programming and controlling large-area animations it is best to use Art-Net-based software such as MADRIX. Alternatively, you can use a DMX converter, which allows you to control the strips with pixel accuracy via DMX.



EUROLITE DXT DMX Pixel Converter PRO

Can control up to 18,000 digital LED pixels via a DMX512 signal

Design your rooms with light!

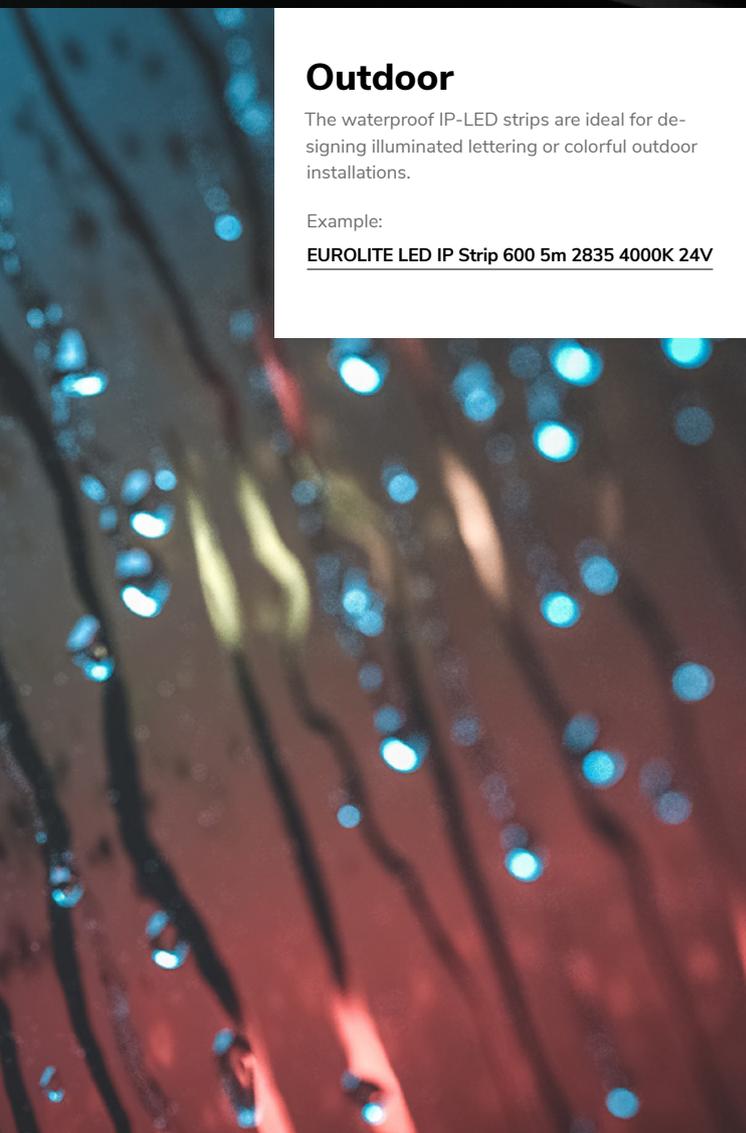
LED Strips

Outdoor

The waterproof IP-LED strips are ideal for designing illuminated lettering or colorful outdoor installations.

Example:

[EUROLITE LED IP Strip 600 5m 2835 4000K 24V](#)



Control unit

As diverse as the application areas of LED strips are, so are the possibilities for controlling them. The easiest way is certainly to attach a special controller for LED strips, which allows you to control basic functions such as switching on and off and calling up pre-installed sequences.

Example:

[EUROLITE LED Strip 4in1 Zone RF Controller](#)



APP Control

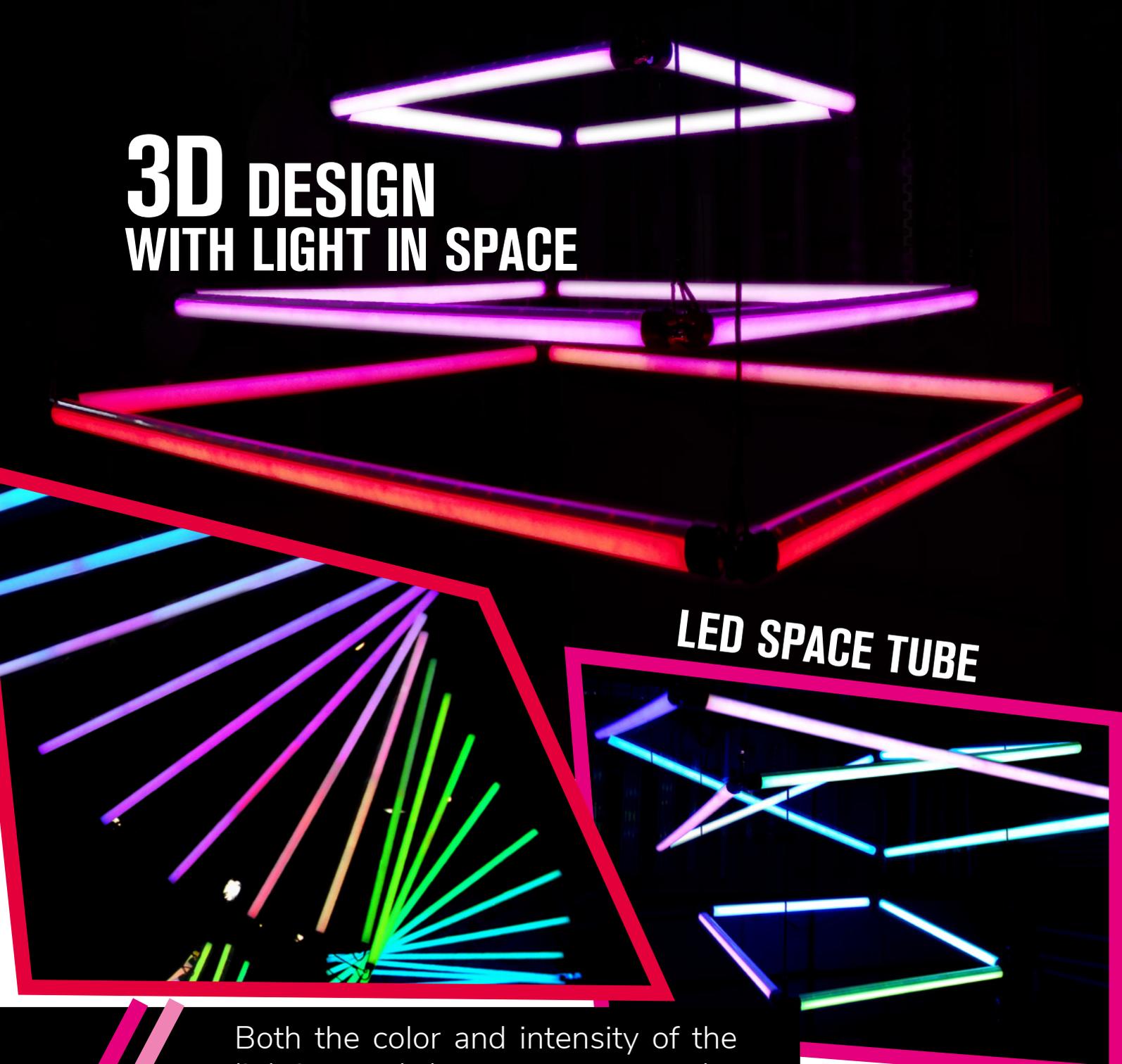
If you want to make it a little more comfortable, you can use an app that allows you to control the LED strips from your smartphone. Complex projects are best realized with an Art-Net based software like MADRIX or with the help of a DMX converter. This way you can also realize pixel-based animations.

[EUROLITE LED Strip RGB WiFi Controller](#)

„FreeColor“ App available for free:



3D DESIGN WITH LIGHT IN SPACE



LED SPACE TUBE

Both the color and intensity of the lighting and the movement can be controlled via DMX.

It is an impressive number: Up to 80 % of the perception of a healthy person is determined by visual sensory impressions. How we perceive our environment and what we conclude from it is therefore largely due to the visual impression it leaves on us. No wonder that not only hotels, museums and amusement parks attach great importance to visual design. Discotheques and clubs are also aware of the great influence of visual appearance on the overall experience of

the guest. These rooms today have little in common with the often rather simply designed dance halls of the past.



EUROLITE LED Space Tube
100 für HST-150

NEW WORLDS

LED SPACE BALL

With elaborate 3D installations, lighting designers and interior designers together create completely new worlds. Modern technology makes it possible to give the visitor a completely new spatial impression through moving light installations. Glowing spheres and tubes that seem to move by magic leave the visitor with the feeling that he has travelled into the future via a time capsule.

What lies behind this is less science fiction than much more ingenious, modern technology: while the inside of the spheres and tubes are brightly illuminated by LEDs, the outside of the form hangs on one or two lifting motors. Both the color and intensity of the lighting and the movement can be controlled via DMX. This results in movable, luminous sculptures in the room.



**EUROLITE LED Space Ball 35 MK2 +
HST-150**

These installations become particularly impressive when a large number of luminous objects move synchronously to music - because then optical and acoustic stimuli come together and create an impressive experience in the perception of the viewer.



Stigma Show // Russia

MADRIX®

is the powerful yet simple LED lighting control system made in Germany. Amazing projects are brought to life with our high-quality software and high-quality hardware.

From the smallest projects, such as LED costumes from Stigma Show Russia, to the biggest ones – get the best out of your LEDs.



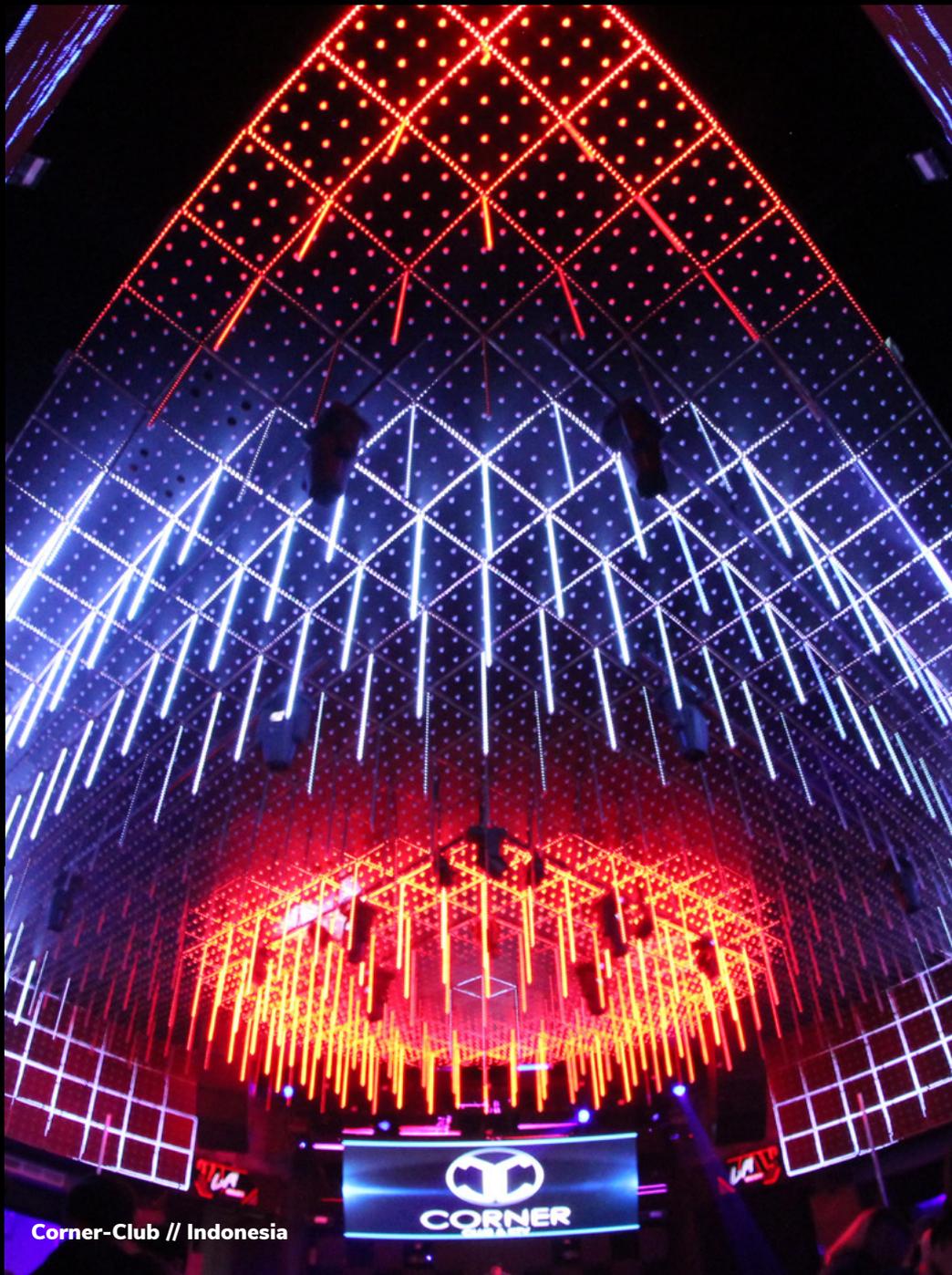
MADRIX® AURA is the advanced lighting control recorder and stand-alone playback unit. It is the central stand-alone controller for simple recording and large-scale pixel mapping.

Stand-Alone Playback

Independently run the most sophisticated light shows from this compact playback unit via Art-Net or Streaming ACN. Easily control up to 8 or 32 universes per device.

Live Recording

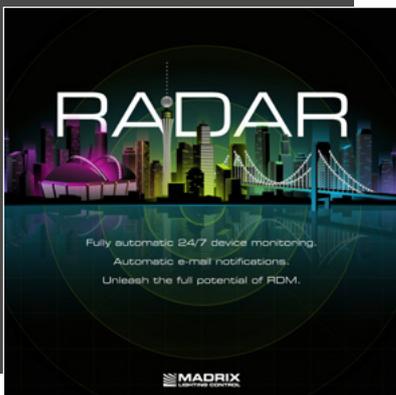
Record any Art-Net or Streaming ACN network stream onto the inserted SD/SDHC card. With MADRIX® 5, producing a beautiful light show is as easy as pressing record and play.



Bring your creative LED design to life with beautiful colors, stunning visuals, and spectacular effects.

Corner Club in Indonesia is a project by Lights Professional and NewVision Technology. They are using **MADRIX® 5** to combine unique 2D pixel mapping and real 3D voxel mapping.

Corner-Club // Indonesia



MADRIX® RADAR is the complete toolbox to manage, configure, and monitor all of your RDM lighting fixtures in a single software application.

Set up important settings remotely. Use automatic lighting fixture patching. Take advantage of fully automatic 24/7 device monitoring and automatic e-mail notifications.

Build a database of past sensor data and see trends of device parameters, such as temperature and operating hours. Quickly see the results in graphical overviews.

Transform the way you run your lighting projects.



Laser classes and their significance

EUROLITE laser effects with class 2M



LED KLS Laser Bar FX light set



LED B-40 Laser beam effect

Anyone dealing with the subject of show lasers will quickly stumble upon the terms “laser class” and “laser safety officer”. But what exactly does that mean?

Lasers are divided into different classes according to their danger. The higher the number of laser class, the more dangerous the laser. Thus, a **class 1** show laser is completely harmless under foreseeable operating conditions. **Class 2** lasers emit red and green light beams. Although they dazzle the human eye when it is hit by the light beam, they are not dangerous, so they do not cause damage to the eye.

If you want more colors, higher power or more elaborate patterns, there is no getting around a **class 3 or class 4 laser**. These lasers can also display blue light and mixed colors, are often capable of graphics, but are also not harmless. They may be sold to anyone: Whoever wants to operate a laser from these classes must have every change of location approved (i.e. every time the laser is re-hung) and must also prove that he or she has the qualifications to use the laser conscientiously and safely. This is normally done through training as a laser safety officer. **Such a seminar takes 1 to 2 days and costs about 250 to 500 Euro.** In addition, **class 3 or 4 lasers must be linked to an emergency stop system** that switches the system

off immediately with a switch in case of an emergency. What does this mean in practice? In fixed installations it is usually relatively easy to work with class 3 or 4 lasers. These must be approved once, a laser safety officer must be present for operation and an emergency stop system must be installed. In mobile applications, however, this effort is only worthwhile for very large events. For small mobile events, effort and financial burden are not in a reasonable relationship to the result. **Here, class 2 equipment is a good choice. For this reason, class 2M lasers are integrated in simple show lasers, such as those used in some light effects.** These “small” lasers produce dots, patterns and, of course, beautiful beams in fog. The EURO-LITE KLS laser systems or the B-40 laser effects are examples of how you can enhance your show with such lasers.

So may one use class 3 or class 4 lasers at least for private purposes? It is true: Where there is no plaintiff, there is no judge. But in the end it always becomes critical where people are injured or where an insurance company should pay for the damage. Then the use of such a laser can also cause a lot of trouble at private events. And every laser fan should avoid that simply out of self-protection.



A New Generation of Lighting Effects

Control lasers with DMX like a Moving-Light New mainboard in all professional Laserworld, tarm und RTI lasers

Lasers were a simple “no” for many lighting designers for many years, as they were difficult to control and difficult to integrate with the rest of the lighting rig.

Now there is a solution: All professional laser systems of tarm, RTI and Laserworld are as standard equipped with the ShowNET laser mainboard. This mainboard integrates intelligence with the laser systems and allows for easy control via DMX or ArtNET. Furthermore, the contents in this mainboard (the “Gobos”) can be completely customized and there are 19 (DJ mode) or 34 control channels (pro-

fessional mode) to program the laser with a normal lighting desk.

The latest version of the firmware for this ShowNET mainboard gives the option to hard-program the behavior of the ShowNET board with a DMX console – no need for any special configuration with RDM or sACN, just plain DMX does the job: Set projection zones, apply geometric corrections, balance colours and even set SAFETY Zones with your console – and then safely store them to the mainboard with particular DMX settings, so they stay as they are and not accidentally change during the show opera-

tion, giving the LD freedom to be creative.

Considering these safety related aspects, it is super convenient to use the effects generators in a console for creating astonishing effects that exceed the possibilities of classic laser shows. Scaling setups to hundreds of laser systems becomes possible in a short amount of time, the use of Artificial Intelligence (AI) can safely be applied to lasers and even basic skilled operators can make use of professional laser systems for a show.

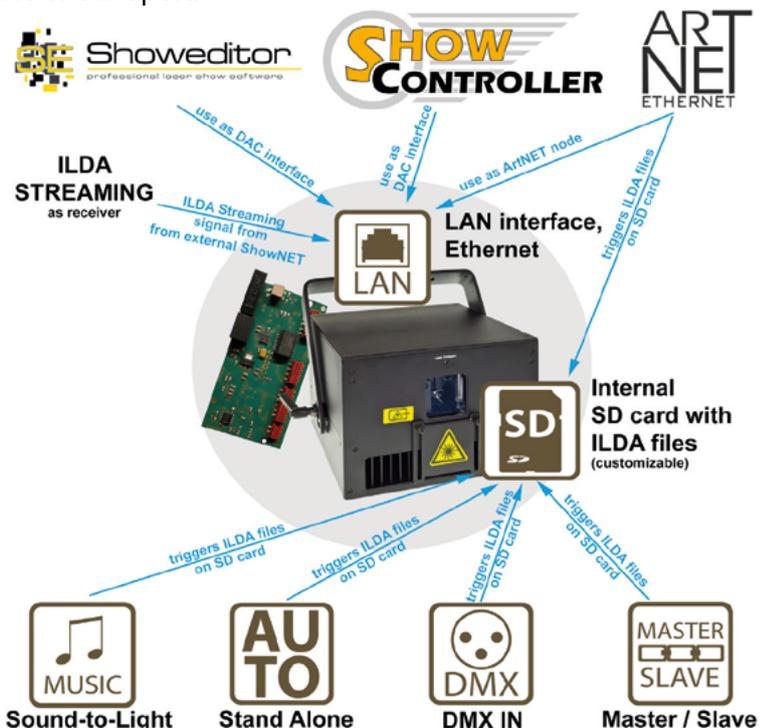
These product series have the multi feature mainboard implemented as standard:

- Laserworld Diode Series
- Laserworld Purelight Series
- tarm Series
- RTI PIKO Series
- RTI NANO Series

Direct control via LAN possible:

Full-feature laser control software „Showeditor“ included for free with every laser with ShowNET mainboard!

Full compatibility to the professional laser control software „Showcontroller“ and other laser software!





Hotel rooms and holiday apartments

inviting and easy to clean



Let us dare to take a look at the German hotel and catering scene together. The industry is growing steadily and made a turnover of around 90 billion euros in 2018*. 32 billion euros are accounted for by the accommodation industry alone, i.e. hotels, guesthouses, pensions and holiday homes. The industry is booming. But what actually ensures that guests feel good and ideally come back several times?

In addition to the location of the accommodation, cleanliness and food, the ambience that hotels and holiday homes provide is a decisive factor. A bright, friendly decorated room increases the well-being of the guest and creates the holiday effect. However, real flowers, orchids and indoor plants are usually only found in the most expensive suites - for good reason: the care of natural decoration is time-consuming and costly. A reasonable alternative are artificial plants. What used to be frowned upon as kitsch is now appearing in a completely new light. Artificial plants are now so richly detailed and deceptively real that they can no longer be distinguished from their natural colleagues by mere appearance - and even



EUROPALMS Antirrhinum

artificial plant, white, 65cm

when touching them, it is difficult to unmask the artificial plant.

The advantages of this type of decoration for guest rooms and holiday homes are obvious: artificial plants are easy to care for, need neither water nor light and do not react to changes of location or drafts. They are therefore ideal for rooms with frequently changing residents and cleaning staff under time pressure.

- deceptively real**
- no water**
- no care**
- no parasites**
- can be set up anytime and anywhere**

Entrance area

For example, an artificial evergreen shrub lends charm and vitality to the entrance of a holiday apartment or guest house - even where there is not enough room for real trees that take root and require special care. In the sheltered entrance area, the decoration, which always looks fresh, can remain standing and welcome guests even in winter.



EUROPALMS Evergreen shrub, artificial, 120cm

made of high quality PEVA with pot

A door wreath additionally ensures a friendly reception.



EUROPALMS Lavender Wreath, 30cm

with white blossoms, universally applicable

Living area

Flower arrangements make holiday apartments look luxurious in no time at all. To quickly upgrade a living area, an orchid arrangement, for example, which gives off a homely warmth in a decorative bowl, is ideal. Springlike, colorful accents bring individual flowers and flower arrangements into play.

**EUROPALMS Orchid arrangement (EVA),
artificial, yellow**

with pot



This way, the artificial
strelicia with its colorful
appearance quickly
spreads exotic flair in
the room.

**EUROPALMS Bird-of-paradise flower,
artificial plant, 90cm**

made of high-quality PEVA

Bathroom

Warm and humid, then drafty again: bathrooms are very challenging for real plants. With artificial green, neither the guest nor the cleaning staff can do anything wrong - yet the artificial plant has a calming and friendly effect. Even the smallest wet room gets a touch of wellness with a stylish arrangement.

EUROPALMS Orchid arrangement, artificial
orchid in decorational pot

Depending on the style of the interior, artificial succulents or colorful flowers can also have a very refreshing effect.

EUROPALMS Succulent trio, artificial, 43cm
mixed succulent bushes



BIG POWER

IN A SMALL SPACE



MAXX SERIES

Strong enough for the gig of a small band, mobile enough for the wedding DJ: The active MAXX system from OMNITRONIC packs a lot of power into a compact form.



MAXX-SERIES FROM OMNITRONIC

COMBINES POWER AND MOBILITY

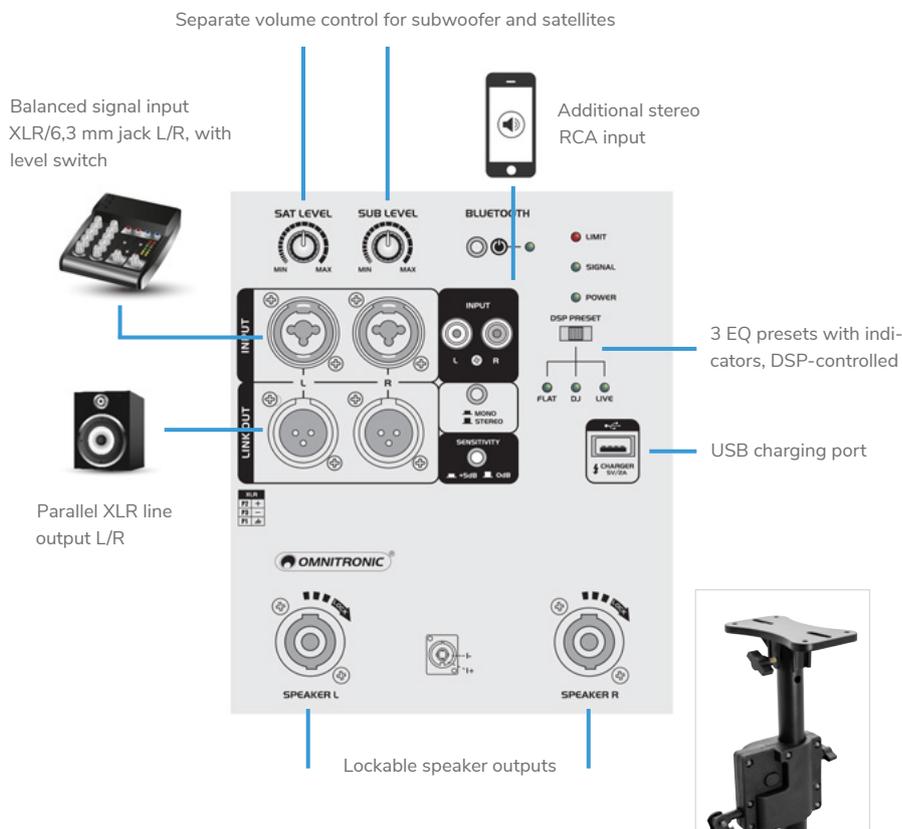
Thanks to its high-quality sound and good level stability, the speakers are popular as price-performance champions with bands, DJs and solo entertainers who want to be flexible when on the move.

EXTENSIVE FEATURES The active 2.1 systems of the series are equipped with Class-D amplifiers and deliver powerful, dry bass thanks to their bass-reflex cabinets. The two satellites are equipped with passive 2-way crossovers including PTC tweeter protection.

CONNECTIONS With balanced XLR/6.3 mm jacks, stereo RCA inputs with level adjustment and integrated Bluetooth

for wireless music enjoyment, the active systems provide flexibility: connect a small mixing console or use your smartphone as a source of music, for example. An XLR parallel output allows you to connect additional active speakers.

ADDITIONAL FEATURES The additional functions of the speakers are convenient and make working with them even more enjoyable: 3 DSP-controlled EQ presets with status displays, clearly arranged volume controls (separately adjustable for satellites and subwoofer) and an integrated USB charger for your smartphone round off the overall package.



Produkt: MAXX-1508DSP

Produkt: MAXX-1810DSP

Top	MAXX-1508DSP	MAXX-1810DSP
Rated power:	2 x 150 W RMS	2 x 150 W RMS
Program power:	300 W	300 W
Frequency range:	120 - 18000 Hz	90 - 18000 Hz
Sensitivity:	92 dB	93 dB
Max. SPL:	116 dB	119 dB
Dispersion angle:	90° x 60°	90° x 60°
Impedance:	4 Ohm	4 Ohm
Speakers:	1 x Woofers (8") approx 20 cm 1 x Tweeter highs (1") approx 2,5 cm	1 x Woofers (10") approx 25 cm 1 x Tweeter highs (1") approx 2,5 cm
Dimensions (WxHxD):	25.5 cm x 42.1 cm x 24.1 cm	28.5 cm x 46.6 cm x 28.8 cm
Weight:	17.25 kg	20.95 kg
Subwoofer		
Rated power:	400 W RMS LF; 2 x 150 W RMS HF	500 W RMS LF; 2 x 150 W RMS HF
Frequency range:	Bass 35 - 120 Hz; Top 120 - 18000 Hz	Bass 32 - 190 Hz; Top 90 - 18000 Hz
Sensitivity:	95 dB	99 dB
Max. SPL:	120 dB	123 dB
Circuitry:	Class D	Class D
Speakers:	1 x Woofers (15") approx 38 cm with Ferritmagnet	1 x Woofers (18") approx 45 cm with Ferritmagnet
Material:	Birch multiplex; MDF (Medium-density fibreboard)	Birch multiplex; MDF (Medium-density fibreboard)
Dimensions (WxHxD):	45.4 cm x 53.4 cm x 57 cm	50.4 cm x 46.6 cm x 60.8 cm
Weight:	29.30 kg	36.45 kg



OMNITRONIC
STS-1 Speaker
Stand with Crank

High-quality steel winch-stand

OMNITRONIC
BPS-1 Loudspeaker
Stand

Speaker stand with circular base, height adjustable 110-175 cm, max. load 18 kg



PAS-212 MKIII

WORKHORSE

One of the first PAS-212 MKI: on the road since 2004 and in permanent use

PAS-212 MKI

**PROVEN
QUALITY IN
THE THIRD
GENERATION**

OMNITRONIC

PAS MKIII

Sturdy wooden cabinets, high-quality components, outstanding sound: the PAS series from OMNITRONIC combines all the features of a very good speaker series and offers the complete package at a fair price. The popular series will enter its third generation in 2020.

ACTIVE AND PASSIVE VERSIONS

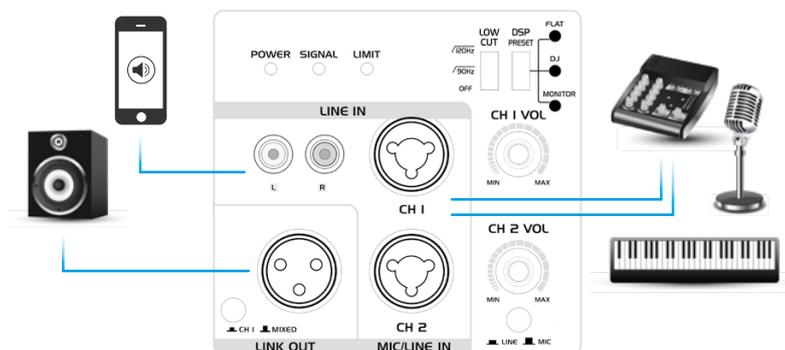
The series includes 2-way tops and subwoofers in various sizes and performance classes, each in an active and a passive version. All tops in the series are equipped with a dou-

ble flange, which allows the speaker to be mounted on a stand with a 0° or 5° tilt angle. The subs convince with high output in a very compact design.

WIDE RANGE OF ACCESSORIES

The speakers of the PAS MK3 series are accompanied by a wide range of accessories: in addition to additionally attachable swivel brackets and wall brackets for the tops, there are also matching covers for all speakers.

Connections active version 212A/215A



Active:	PAS-208A MKIII	PAS-210A MKIII	PAS-212A MKIII	PAS-215A MKIII
Power consumption::	300 W	350 W	500 W	650 W
Output power:	210 W RMS	300 W RMS	450 W RMS	550 W RMS
Frequency range:	75 - 20000 Hz	65 - 20000 Hz	60 - 20000 Hz	50 - 20000 Hz
Max. SPL:	118 dB	121 dB	126 dB	130 dB
Dispersion angle:	90° x 60°	90° x 60°	90° x 60°	90° x 60°
DSP:	Digital signal processor	Digital signal processor	Digital signal processor	Digital signal processor
Circuitry:	Class D Biamp	Class D Biamp	Class D Biamp	Class D Biamp
Connections:	Input: via 3-pin XLR/6.35mm jack (F) combination socket (mounting version) link: via 3-pin XLR	Input: via 3-pin XLR/6.35mm jack (F) combination socket (mounting version) link: via 3-pin XLR	Input: 2 x via 3-pin XLR/6.35mm jack (F) combination socket (mounting version) Input: 1 x via Stereo RCA link: via 3-pin XLR	Input: 2 x via 3-pin XLR/6.35mm jack (F) combination socket (mounting version) Input: 1 x via Stereo RCA link: via 3-pin XLR
Speakers:	1 x Tweeter highs (1") approx 2,5 cm with Ferritmagnet, basket material Aluminum, Voice coil tweeter (1.5") approx 4 cm, Horn vent (1") approx 2,5 cm, 1 x woofer (8") approx 20 cm, Voice coil lows (2") approx. 5 cm	1 x Tweeter highs (1") approx 2,5 cm with Ferritmagnet, basket material Aluminum, Voice coil tweeter (1.5") approx 4 cm, Horn vent (1") approx 2,5 cm, 1 x woofer (10") approx 25 cm	1 x Tweeter highs (1") approx 2,5 cm, basket material Aluminum, Voice coil tweeter (1.5") approx 4 cm, Horn vent (1") approx 2,5 cm, 1 x woofer (12") approx 30 cm with Ferritmagnet, Voice coil lows (3") approx. 8 cm	1 x Tweeter highs (1") approx 2,5 cm with Ferritmagnet, basket material Aluminum, Voice coil tweeter (1.5") approx 4 cm, Horn vent (1") approx 2,5 cm, 1 x woofer (15") approx 38 cm with Ferritmagnet, Voice coil lows (3") approx. 8 cm
Dimensions (WxHxD):	27,0 cm x 46,0 cm x 26,8 cm	32 cm x 52 cm x 30 cm	39 cm x 61 cm x 37 cm	45 cm x 70 cm x 43 cm
Weight:	11.5 kg	14.5 kg	22.5 kg	25.5 kg

Passiv:	PAS-208 MKIII	PAS-210 MKIII	PAS-212 MKIII	PAS-215 MKIII
Belastbarkeit nominal:	200 W RMS	250 W RMS	300 W RMS	400 W RMS
Belastbarkeit Programm:	400 W	500 W	600 W	800 W
Frequency range:	75 - 20000 Hz	65 - 20000 Hz	60 - 20000 Hz	50 - 20000 Hz
Empfindlichkeit:	95 dB (1W/1m)	96 dB (1W/1m)	98 dB (1W/1m)	98 dB (1W/1m)
Max. SPL:	121 dB	123 dB	126 dB	127 dB
Dispersion angle:	90° x 60°	90° x 60°	90° x 60°	90° x 60°
Trennfrequenz:	3500 Hz	3200 Hz	3000 Hz	3000 Hz
Impedanz:	8 Ohm	8 Ohm	8 Ohm	8 Ohm
Speakers:	(like active version)	(like active version)	(like active version)	(like active version)
Dimensions (WxHxD):	27,0 cm x 46,0 cm x 26,8 cm	32 cm x 52 cm x 30 cm	39 cm x 61 cm x 37 cm	45 cm x 70 cm x 43 cm
Weight:	10.0 kg	12.5 kg	20.60 kg	24.20 kg

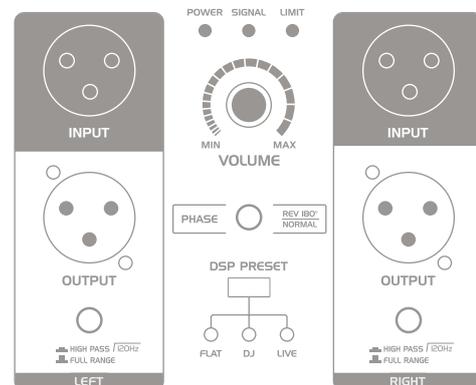
PAS MKIII BASSREFLEX SUBWOOFER



Active:	PAS-151A MKIII	PAS-181A MKIII
Power consumption::	800 W	1000 W
Output power:	700 W RMS	850 W RMS
Frequency range:	40 - 200 Hz	38 - 200 Hz
Max. SPL:	125 dB	127 dB
DSP:	Digital signal processor	Digital signal processor
Circuitry:	Class D	Class D
Connections:	Input: 2 x via 3 pin XLR Output: 2 x via 3 pin XLR	Input: 2 x via 3 pin XLR Output: 2 x via 3 pin XLR
Speakers:	1 x woofer (15") approx 38 cm with Ferritmagnet basket material Aluminum Voice coil lows (4") approx. 10 cm	1 x woofer (18") approx 45 cm with Ferritmagnet basket material Aluminum Voice coil lows (4") approx. 10 cm
Dimensions (WxHxD):	46 cm x 52 cm x 56 cm	54 cm x 63 cm x 68 cm
Weight:	33.5 kg	46.5 kg

Passiv:	PAS-151 MKIII	PAS-181 MKIII
Rated power:	200 W RMS	900 W RMS
Program power:	400 W	1800 W
Frequency range:	40 - 200 Hz	38 - 200 Hz
Sensitivity:	97 dB (1W/1m)	98 dB (1W/1m)
Max. SPL:	127 db	130 dB
Impedance:	8 Ohm	8 Ohm
Speakers:	(like active Version)	(like active Version)
Dimensions (WxHxD):	46 cm x 52 cm x 56 cm	54 cm x 63 cm x 68 cm
Weight:	31 kg	43 kg

Connections active version 151A/181A

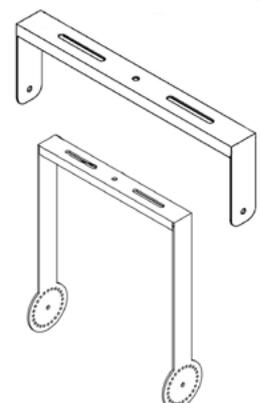


ACCESSORIES



PAS MKIII Cover

PAS Wall mount





PURE POTENZA

SAN184.50

Engineered for demanding subwoofer projects that require a powerful, robust and lightweight driver with exceptional low distortion and power compression at high SPL's; FEM high BxI neodymium motor and suspensions, aluminium demodulating ring and linear high excursion capability come as standard.

Passionately designed in our state-of-art R&D centre in Potenza Picena, Italy, every product is a masterpiece of electroacoustic excellence with reliability second to none.

- 18" ALUMINIUM BASKET SUBWOOFER
- 3400 W PROGRAM POWER (1700 W AES)
- 115 mm (4.5 in.) CCAW VOICE COIL
- 98 dB/SPL SENSITIVITY
- 30 - 1000 Hz FREQUENCY RANGE
- TRIPLE ROLL SURROUND



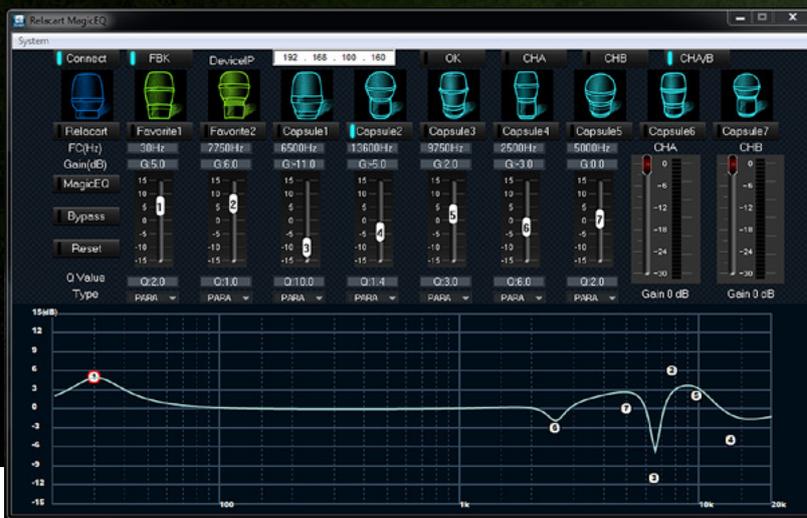
YOUR GLOBAL PARTNER
FOR TRANSDUCERS:
FROM CONCEPT TO DELIVERY

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I T A L I A N A

WWW.LAVOCESPEAKERS.COM

CREATE YOUR MIC SOUND

Relacart® UR-260D
UHF SYSTEM WITH DSP MODELING



MagicEQ[®] Software

MagicEQ enables amazing microphone modeling of the hand-held microphones. Users can create their own sound and choose from 7 presets based on world-known microphone models (e835®, beta58®, e935®, D5®, SM57®, N/D767a®, SM58®)* and 2 user-definable presets.

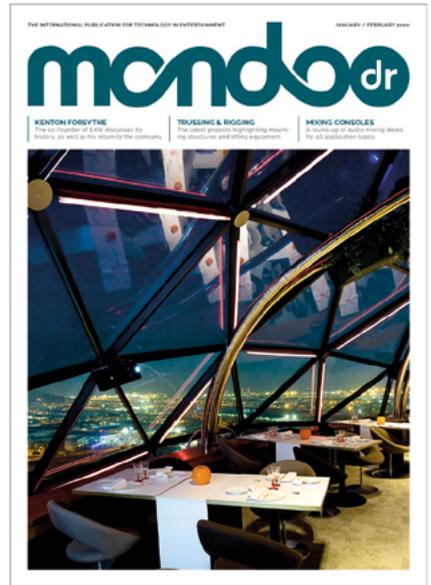
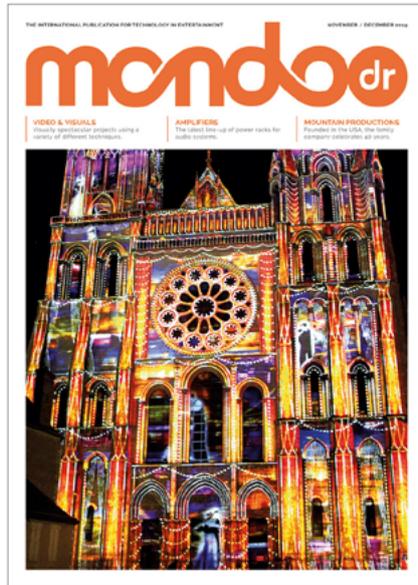
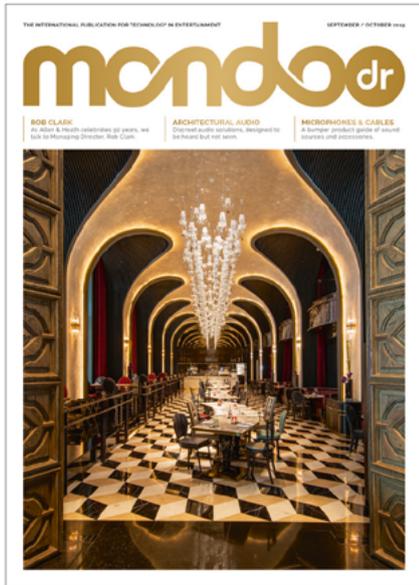


UR-260D

2-Kanal UHF System

The UR-260D is a dual-channel true diversity UHF system with a host of innovative features. In addition to automatic frequency scanning for interference-free transmission, one also finds an intelligent feedback suppression system. With MagicEQ, various sound characteristics of world-known microphone capsules can be emulated or created by yourself. The presets can be changed from a computer via software - even during live operation.

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FRANKFURT 2020



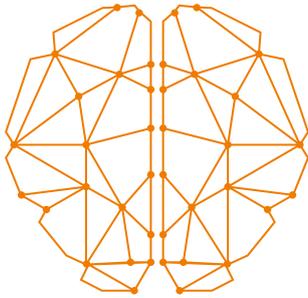
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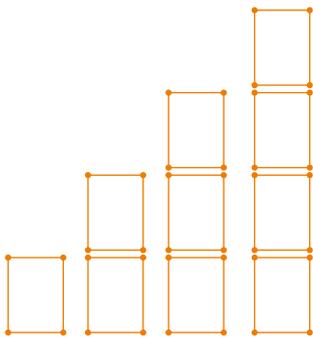
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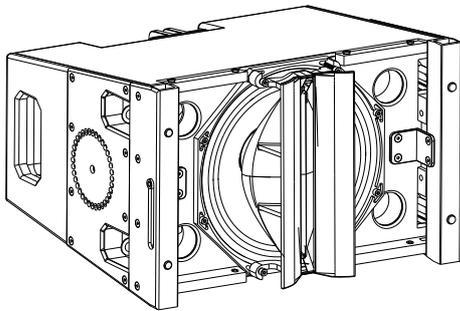
Who we are

CELTO Acoustique is a global premium manufacturer of professional audio products established in 2011. We base our research and development on exceptional European engineering practices. Our global management team brings with them over 110 years of experience in the professional audio and sound reinforcement industry.



Exceptional Value

With integrity and passion we design and manufacture innovative products that move people wherever they are. We lead with excellence, ground breaking performance which generates real customer value. As a result, we are the fastest growing professional audio company in the world with 1000% growth in the last 5 years !!!



Unique Technical Solutions...

Veteran acoustic engineers Alain Pouillon-Guibert and Arthur Felix design each product with exceptional performance and premium quality in mind.

In 2019 we introduced IsoRay10, the first large bandwidth true coaxial line source that offers the same performance of industry standard dual 8" array but 60% smaller and 40% lighter.

IsoRay10 is truly a game changer that received massive interest from the industry with more than 2000 pieces in pre-orders !

...for a variety of applications



CELTO

ACOUSTIQUE

Welcome Germany !

**to the fast growing family
of satisfied users around the world**



CELTO distribution network is present in 38 countries and counting...

ENGINEERED BEYOND EXPECTATION



iFix Movement

Small by size but big by sound!

The smallest speaker of our catalog is also one of the most successful. Our distributors already know how to use it. But you? When an ultra compact solution for sound reinforcement is needed the iFIX range is the perfect product. It integrates seamlessly in any installation where discretion is key, without sacrificing performance.



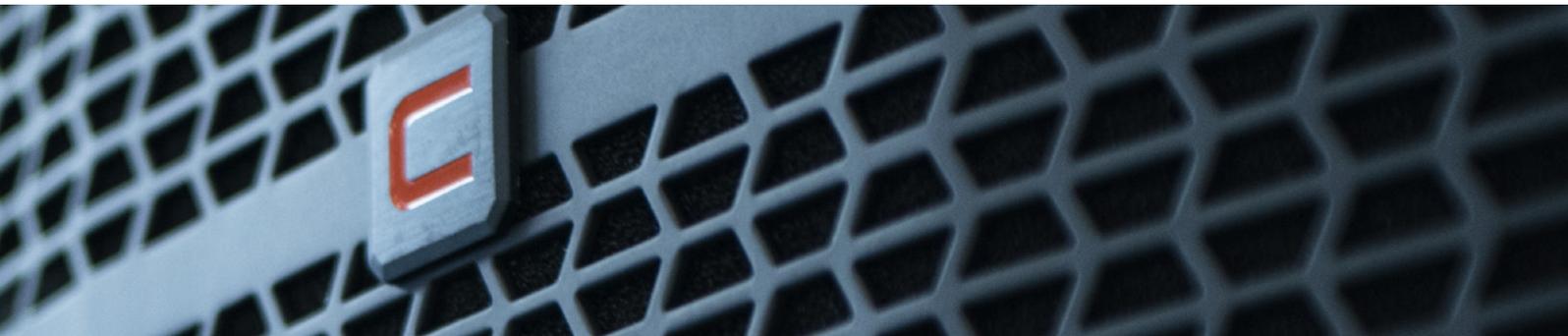
The iFIX8 reproduces music and speech with superb quality thanks to its 8" coaxial transducer that delivers the whole spectrum homogeneously to the audience. The included frame and gimbal can be used with a bracket or for direct installation into a wall.

To extend to lower frequencies, iFIX13S, of the same range, is the natural companion. It's a small packed but powerful sub woofer, using a custom made 13.5" chassis with the

same power and impact as a 15" woofer. Both together, iFIX8 and iFIX13S are the perfect fit for nearly all demanding installations, from conference centers to jazz and music bars.

The whole range is available as standard in white, black and wood finish. Also all RAL colors are available on demand to ensure the best possible integration to the decoration.





VT-Series Speaker Systems

The VT loudspeaker system is suitable for near field main PA reinforcement with or without subwoofer, portable system or permanent installation, monitor on stages, and delay fill.

- Real 500W (VT212)/ 1000W (VT215) RMS power capacity (8 hours pink noise)
- Natural sound and incredible holographic reproduction
- Optimized for smooth frequency response in and out axis
- Premium Neodymium custom made European Drivers (HF & LF)
- Proprietary 80°x50° rotatable 6th order Polynomial horn
- Heavy braced birch plywood cabinet (15 & 18mm)
- Touring grade soft touch black painting
- Dual same monitor angle, for easy stage monitor coupling (no L or R versions needed).
- Recessed backpanel.

SU218TL Transmission Line Subwoofer



- Rear-loaded transmission line subwoofer
- Down to 28Hz at -6dB and still 104dB/1W/1m efficiency
- Real 3000 W RMS power capacity
- Premium 18" LF drivers with massive ± 15 mm linear Xmax
- Triple-forced cooling system for low power compression
- Heavy braced cabinet for vibration-free dynamic response
- Touring grade rubberized polyurea painting

T-Series Class D Amplifiers

CELTO Acoustique T-TOURING amplifiers are revolutionizing the industry, with a host of inventive solutions, unique to this product range. New features include the proprietary PULSAR switch mode power supply and TrueSound, CELTO Acoustique's high-current, high-resolution class D output stage.



- Oversized PULSAR Push-Pull Switch Mode Power Supply
- TrueSound Class D with High-Speed High Current MOSFETs
- Studio quality preamp with TrueRMS VCA limiters
- MCU Controlled 3D-Guard SOM (Smart Overheat Management)
- SuperCharged 105°C long-life capacitors
- FEM optimized R:Cool radial heat sinks
- Simple layout and assembly for easy servicing
- Genuine parts exclusively provided by world class suppliers
- Compact and Lightweight 2U Touring grade format 2 years warranty



Ridd1e

ME THIS ...

Vertically:

1. Foot controller from Eurolite, which can also control movingheads
4. Round object with many, small reflection surfaces
5. Mostly black, sound carrying disc with center hole
6. Small musical instrument with 4 strings
8. The unlit space behind an illuminated body
11. Describes the cooler or warmer tone of white light
20. Different name for ultraviolet light
23. Device for controlling brightness

Horizontally:

2. A haze machine that operates with normal fog fluid
3. Optical tool for multiplication of an image
7. Mechanical support used in the event industry
9. Brass woodwind instrument
10. 44.45mm is a ...
12. Sound transducer on stage
13. Speaker that helps to hear yourself on stage
14. Container for transporting equipment
15. Inventor of the Fresnel lens
16. Instruments made to be beaten
17. Tradition with scary decoration
18. Electronic dance music
19. Stage tape
21. Modern light source
22. Single or multi-core composite, sheathed with insulating material



L

W



- 1. Bigfoot
- 2. Fazer
- 3. Prism
- 4. Mirror ball
- 5. Record
- 6. Ukulele
- 7. Trussing
- 8. Shadow
- 9. Saxophone
- 10. Height unit
- 11. Color temperature
- 12. Microphone
- 13. Monitor
- 14. Flight case
- 15. Fresnel
- 16. Percussion
- 17. Halloween
- 18. Techno
- 19. Gaffa
- 20. Black Light
- 21. LED
- 22. Cable
- 23. Dimmer

Answers:

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eurolite®



LED TMH-W63
Moving Head Zoom Wash



LED TMH-S200
Moving Head Spot

TMH

TINY MOVING HEADS

Tiny, but talented! The TMH series of moving heads have one thing in common: they provide good light output combined with manageable dimensions. The TMH family is made up of a wide variety of devices - beams, washers and spots - with a solution for every application where space is limited.

LED TMH-S30
Moving Head Spot



LED TMH-W36
Moving Head Zoom Wash



NEW IN THE SERIES ARE TWO SPOTS AND TWO WASHERS.

While the TMH-S30, weighing only three kilograms, fits into even the smallest party room, the TMH-S200, weighing ten kilograms, is also suitable for discotheques and larger event locations. The two spots share the extensive equipment with color and gobo wheels and integrated show programs.

The two new washers in the series, TMH-W36 and TMH-W63, differ in the number of LEDs installed: the smaller of the two, TMH-W36, features four powerful RGBW LEDs of 9 watts each, while the larger one has seven of the same power installed. Both are small and handy: they weigh less than 4 kilograms.

STEINIGKE
SHOWTECHNIC

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