

MOVE

The magazine for show technology 01|2023

NEWS
SPRING 2023

Excursion into history

Energy efficiency of lighting effects through the ages

Jump into the deep end

Tips for the start into your freelance business

Truss construction done differently

Beer counters on WACKEN:
built from ALUTRUSS
Interview with Franz-Josef Heimes

Tested for safety

Interview with Matthias Wolf on safety in event technology

Urban Jungle

The green interior trend for commercial and private spaces

 **STEINIGKE**
SHOWTECHNIC





Dear readers,

Spring is just around the corner and with it our trade fair highlight Prolight+Sound in Frankfurt am Main. Exhibitors and visitors are excited: Will it now, after the years of Corona restrictions, be like it used to be? In any case, it is certain that the exhibitors will once again present great new products in Frankfurt this year. However, in this issue we are already presenting some of them to you.

With the arrival of spring, the festival season is knocking on our door again. Our interview with Franz-Josef Heimes shows that there's a lot of work and logistical masterpieces behind all the open-air fun. With his company, he's responsible for building the beer bars at the WACKEN festival. Together with him, we take a look behind the scenes of one of the biggest metal festivals in the world.

To ensure that festivals, events, performances and concerts are a top-class experience and don't end in horror, safety plays an outstandingly important role in event technology. Matthias "Prüfwolf" Wolf has dedicated himself to this topic. With his company, he puts event technology and other

technical equipment through its paces. He revealed to us in an interview what this activity entails.

In this issue, we have also compiled tips to help you get started on your own in the technical area of the event industry. After all, it's easy to lose track of everything between business registration, taxes and insurance.

If you want to venture beyond the technical horizon with us, then our decoration tips on the theme of "Urban Jungle" are just the thing. Whether it's a restaurant, hotel or private room, lush greenery can transform all of these spaces into an oasis.

As you can see, the MOVE team has once again reached out in all areas of our colorful industry to offer you a varied read. We hope you enjoy reading it and look forward to receiving your feedback at redaktion@movemagazin.de

We wish you a fantastic summer!

Your MOVE editorial team

EDITORIAL

CONTENTS

REPORTS

- 11** **New sound and new light**
Event hall in Gießen
- 12** **Audio installation in style**
Hyatt Hotel in Düsseldorf
- 23** **Faster, louder, brighter!**
“Break Dancer” in Mannheim
- 24** **Light show in the church**
Augustinian Church in Würzburg
- 38** **15 years of success**
Overview of KLS models
- 50** **Full force?**
Energy consumption in lighting technology
- 65** **Festive lighting**
Christmas carol singing in Bad Frankenhausen
- 82** **Heavenly sound quality**
Evangelical congregation Höchberg
- 84** **Colorful lighting**
Salvatorkirche in Duisburg

TIPS AND SERVICE

- 34** **Modern architectural lighting**
Energy-saving and colorful
- 66** **Dancing on cloud 9**
Artificial fog at weddings
- 76** **Good to know**
News about the “Light Captain” app
- 78** **Jumping into the deep end**
Starting out self employed as an event technician



84

TRENDS

- 42** **Designing rooms with light**
Controlling LED strips
- 58** **Anything but dusty**
Modern artificial plants
- 86** **Urban Jungle**
Create oases of relaxation





INTERVIEWS

- 44 Infrastructure for dry throats**
Interview with Franz-Josef Heimes
- 46 Safety in the event industry**
Interview with Matthias "Prüfwolf" Wolf
- 62 Hybrid events as a challenge**
Interview with Alexander Kölling



PRODUCTS

- 04 Audio news**
New installation speakers, wall speakers and mixing amplifiers from OMNITRONIC
- 06 Bluetooth? Yes, please!**
Enjoy wireless freedom
- 08 New DJ equipment**
Product news from OMNITRONIC
- 14 New lighting products**
Extension of well-known EUROLITE series
- 16 More than just strobes**
The new Mega Strobes from EUROLITE
- 18 All cats are colorful by night**
Light effect CAT-80 by EUROLITE
- 20 Beam Moving Head in a new design**
DMB-100 from FUTURELIGHT
- 22 Leave them out in the rain!**
FUTURELIGHT IP PLB-420 AND IP PLH-420
- 28 New heads are needed**
New moving heads in the TMH series from EUROLITE
- 32 There's life in the old dog yet**
TSL-350: New scanner from EUROLITE
- 52 Get the party started!**
Lighting effects for the next party
- 70 Warm, warmer, RGB+WW!**
Harmonious mixed colors thanks to WW LEDs
- 75 Perfect white thanks to RGBL**
LED THA-450F from EUROLITE
- 96 Wireless in-ear monitoring system**
PM-320 from RELACART



Front grille
also available
in black

OMNITRONIC CST-508/608/808 2-Way Ceiling Speaker

Frameless 2-way coaxial speaker

CST

BUILT-IN SPEAKERS

OMNITRONIC's new **CST Series** models are frameless installation speakers with a particularly discreet look. They are suitable for ceiling mounting in hotels, restaurants, bars, foyers, training and conference rooms or shopping centers. The **2-way coaxial systems** have a **frequency response up to 20 kHz**, offer a balanced sound and very good speech intelligibility. The **tweeter is protected against overload by a PTC** and can be **tilted 30 degrees** to adapt to local conditions as well as **freely rotated 360°**. Thanks to secure mounting clamps, uncomplicated and quick mounting is possible. **The front grille is exchangeable.**

CST-508 LF: 5" HF: 0,75", 8 ohms, 30 W RMS

CST-608 LF: 6,5" HF: 1", 8 ohms, 40 W RMS

CST-808 LF: 8" HF: 1", 8 ohms, 50 W RMS



ALP

WALL-MOUNTED LOUDSPEAKERS

Under the name **ALP**, OMNITRONIC is launching two new models of active wall-mounted loudspeaker sets at Prolight+Sound 2023. The sets each consist of an active and a passive speaker, with the active speaker including a biamp amplifier and the connection for the passive speaker. The model called **ALP-5A** offers a **5" woofer and 2 x 30 W of power**, while the **ALP-6A** model offers a **6" woofer and 2 x 45 W of power**. Both versions are equipped with **separate controls for volume, bass and treble**.

Both models are available with either black or white cabinets.

OMNITRONIC Active Speaker Set black or white

ALP-5A 5" woofers and 2 x 30 W power

ALP-6A 6,5" woofers and 2 x 45 W power



BT))



OMNITRONIC MAVZ PA Mixing Amplifier

MAVZ-60.6P 60 W RMS

MAVZ-240.6P 240 W RMS

MAVZ-120.6P 120 W RMS

MAVZ-360.6P 360 W RMS



OMNITRONIC PAA PA amplifier

PAA-120 120 W RMS

PAA-360 360 W RMS

PAA-240 240 W RMS



BT))



OMNITRONIC MA PA Mixing Amplifier

MA-60P 60 W RMS

MA-240P 240 W RMS

MA-120P 120 W RMS

MA-360P 360 W RMS



ELA AMPLIFIERS

ELA systems transport signals between amplifiers and the corresponding loudspeakers – over long distances without loss of sound. Now OMNITRONIC is launching three new ELA amplifier systems.

The **OMNITRONIC MAVZ** series consists of ELA mono mixer amplifiers with a power range of **60 to 360 W**. The amplifiers of the series have **six mixable inputs to which microphones as well as other line-level devices can be connected**. In addition, it is possible to control the **volume separately for each of the six sound zones**. Via **Bluetooth**, the integrated **audio player** of the OMNITRONIC MAVZ series can be connected to smartphones, tablets and computers to play music. **USB ports** as well as an **SD (HC) card slot** are also available.

The **OMNITRONIC PAA** series includes ELA mono mixer amplifiers whose power ranges **from 120 to 360 W**. Outputs for ELA loudspeakers with **70 V and 100 V transducers or 4-16 ohm** loudspeakers can be connected to the amplifiers of the series. In addition, it is possible to connect **line-level devices, such as preamplifiers, to the XLR or 6.3 mm jack input**. Also included: a loop-through output.

The ELA mono mixer amplifiers of the **OMNITRONIC MA** series are equipped with an output power between **60 and 360 W** as well as an **integrated audio player**. The outputs of the ELA amplifier are designed for **70 V and 100 V audio carriers or 4-16 ohm loudspeakers**. **Microphones and line-level devices can be connected to the six mixable inputs**. The integrated audio channel features **Bluetooth**. This can connect to smartphones, tablets as well as computers to play music. The MA series also has **USB ports and slots for SD (HC) storage media**.



BLUETOOTH?

YES, PLEASE!

In headphones, microphones, TVs and smartphones – Bluetooth technology is everywhere these days. No wonder, because its advantages are obvious: Data is transmitted encrypted between two devices over short distances without a cable connection. Plus, Bluetooth transmission requires little energy and is usually very stable.

The following devices also use Bluetooth technology:

OMNITRONIC Ciao 360° Battery Conference System BT/USB



The new battery-powered conference system Ciao 360° from OMNITRONIC makes video conferencing convenient: The compact, round device is simply placed on the table and connected to the computer via Bluetooth. It then serves simultaneously as a microphone and a loudspeaker - so there's no need to wear an uncomfortable headset. Thanks to the integrated omnidirectional microphones, several speakers can also participate in a web meeting or conference call without any problems. The built-in rechargeable battery of the Ciao 360° lasts for 12 hours even at full playback volume, allowing for true meeting marathons. Its operation is very simple: all functions are controlled via the centrally located, large rotary knob. To recharge the battery and for wired operation, the handy device can be connected to a computer in seconds via a USB cable.

3 Micro-
phones

360°
Voice
recording

3m
Radius





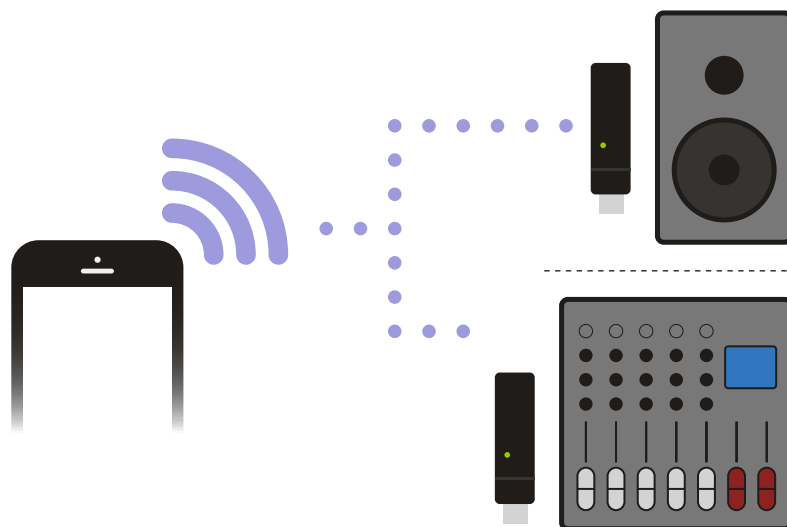
2 OMNITRONIC BDT-5.0 Bluetooth 5.0 Transceiver

The BDT-5.0 is an adapter that enables wireless transmission of music or streaming content to devices without a built-in Bluetooth receiver. If you connect the little helper to a TV via jack cable or Toslink, for example, you can simply watch TV with Bluetooth headphones. Thanks to Dualink function, even two receiving devices (e.g. headphones or speakers) can be used simultaneously. The range is up to 30 meters, depending on the mode. A 1.8" display and clearly arranged buttons make the adapter very convenient to use.



3 OMNITRONIC QuickBTR-5.0 XLR AptX Bluetooth 5.0 Receiver

This adapter makes active speakers and mixers Bluetooth-ready in no time. It is simply plugged into the respective device via XLR. It supports the codecs AptX, aptX HD, AAC and SBC and, thus, ensures wireless transmission without any loss of quality. Two receivers can be paired for stereo playback.



NEWS FOR **DJS**

There are new toys for DJs in spring 2023 from OMNITRONIC: in addition to new mixers, which are particularly suitable as a backup solution, MIDI controllers,

a versatile laptop stand and new DJ stands are also in the starting blocks. Here's what to discover:

PM MIXER



OMNITRONIC PM mixers: the backup solution for DJs

OMNITRONIC's new PM series mixers are ideal as a backup solution for (mobile) DJs. They are equipped with Bluetooth function, USB port and MP3 player, also a microphone input is on board and allows announcements. The series gets two new models: the PM-222P has two input channels, the PM-444Pi offers four of them. While the PM-222P's compact dimensions make it a rugged solution for mobile use, the rack-mountable PM-444Pi is designed for rack installation. Another feature of the PM-444Pi is the integrated audio interface, which allows the DJ to connect the mixer to a computer via USB and thus play music from the computer as well.

OMNITRONIC PM-222P 2-Channel DJ Mixer with Player

2-channel DJ mixer with Bluetooth and MP3 player



OMNITRONIC PM-444Pi 4-Channel DJ Mixer with Player & USB Interface

4-channel DJ mixer with Bluetooth, MP3 player and USB interface

New MIDI controllers from OMNITRONIC:

The two new models under the name KEY-288+ and KEY-2816 are USB MIDI keyboards perfect for music production on PC and Mac as well as an extension for DJ sets. Thanks to their super-light, handy design, the controllers also fit in a laptop bag.

Both models offer 25 velocity-sensitive mini keyboard keys with three selectable velocity curves. Two touch-sensitive strips are available for pitch bend and sound modulation. A sustain pedal or switch pedal can be connected via a

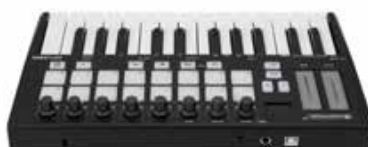
standard connector. A powerful arpeggiator also allows for creative sound editing. Both units are compatible with iOS when using the Apple iPad Camera Connection Kit (sold separately) and can be integrated with Ableton Live and other DAWs.

While the KEY-288+ features eight backlit drum pads, four-freely assignable knobs and four assignable faders, the KEY-2816 is equipped with 16 drum pads and 8 freely assignable knobs.



OMNITRONIC KEY-288+ MIDI Controller

USB MIDI controller with OLED display, 25 buttons, 8 pads, 4 controls and faders each, for musicians, producers and DJs



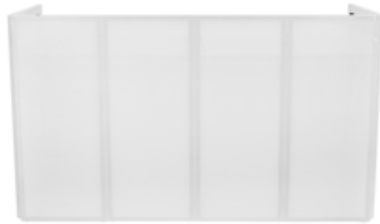
OMNITRONIC KEY-2816 MIDI-Controller

USB MIDI controller with OLED display, 25 buttons, 16 RGB pads, 8 controls, for musicians, producers and DJs

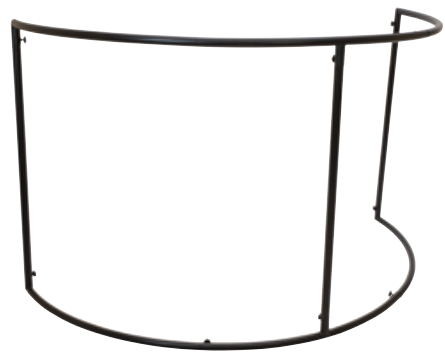
MIDI CONTROLLER

New DJ stands

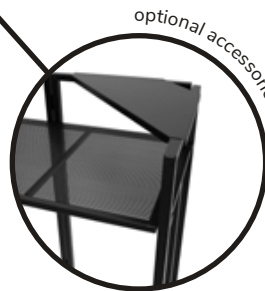
For all friends of the DJ stand, there are now new models from OMNITRONIC. Both feature a quick and uncomplicated setup and look neat in no time thanks to the fabric attached to the front. Both versions are equipped with a sturdy plate, which is ideal as a shelf for laptop, mixer or player. Included is a sturdy carrying bag.



OMNITRONIC Large Mobile DJ Stand incl. Cover
Portable DJ table (1.8 m) with screen for mobile applications



OMNITRONIC Mobile DJ Screen Curved incl. Cover wh / bk
Portable screen for DJ tables



OMNITRONIC Corner Plates incl. Bag for Mobile DJ Stand
Corner plates for mobile DJ stands

Versatile laptop stand / USB hub for DJs

Excellent for DJs and producers, but also for the home office: the Laptop Stand with USB Hub by OMNITRONIC is a faithful companion at work. Whether in the evening in the disco or during the day at the desk, the Laptop Stand offers with its total of two USB-C ports as well as four USB-A ports enough possibilities to connect and charge, for example,

a laptop or a MacBook. In addition, an external sound card, a phase system or a midi controller can still be connected to the computer via the integrated USB hub. With a net weight of only 1,300 grams, the laptop stand is also easy to transport in the included bag.



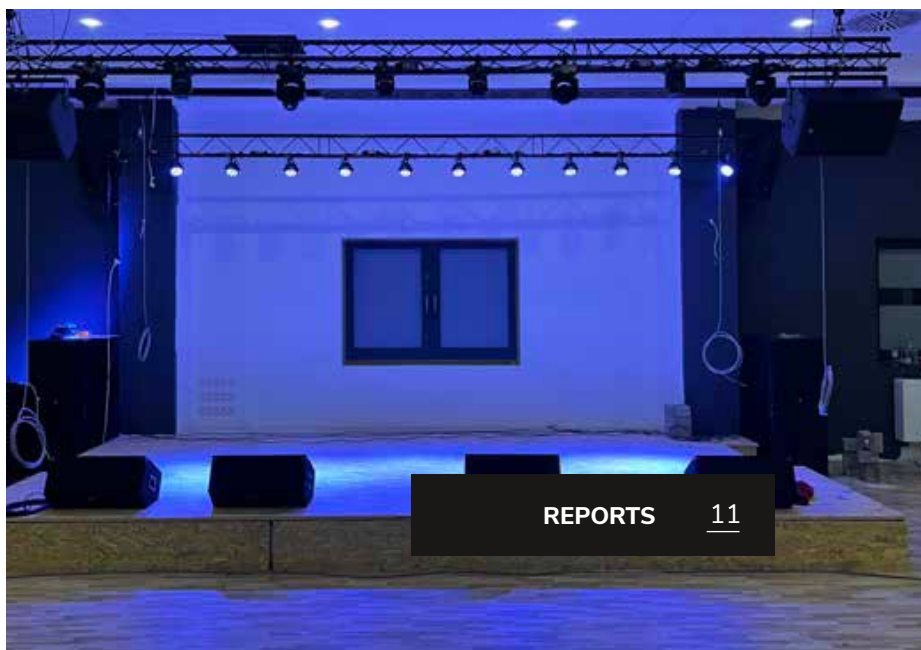
OMNITRONIC SLR-USB Laptop Stand incl. USB Hub
Foldable laptop stand with USB C hub and power delivery port



EVENT HALL // GIESSEN

In Gießen near Frankfurt am Main, the company **DOT Eventservice** from Pforzheim realized this installation in the fall of 2022. The local event hall received a new stage including stage lighting and sound system. In addition to the hall, a side room was also equipped with loudspeakers. Here, **OMNITRONIC's XDA-1002** and **XDA-2402** as well as **XPA-2700** power amplifiers in combination with a **DXO-48E digital controller** from **OMNITRONIC** and loudspeakers from **OMNITRONIC's PAS, AZX and BOB** series provide the good sound. **OD wall-mounted loudspeakers** were used in the adjacent room. In total, **over 500 meters of loudspeaker cables** and **200 meters of XLR cables** were laid for this installation.

For the lighting, the DOT Eventservice team used **LED PARTY spots** from **EUROLITE** as basic lighting and **LED TMH-46** and **LED TMH-13** as moving light. For control, a **freeDMX AP Wi-Fi interface** was installed, which enables the comfortable use of the **Light Captain app**.





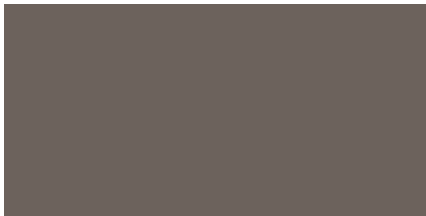
HYATT // DÜSSELDORF

The **Hyatt Hotel in Düsseldorf** offers its guests the best musical entertainment on weekends with a new concept: DJs are to play regularly in the bar and restaurant areas. To provide these areas with first-class sound, the **company DJs Delight GmbH** from Düsseldorf installed new speakers from the iFix series from CELTO Acoustique. With their elegant wooden look, the top speakers blend unobtrusively into the overall picture, while the subwoofers are discreetly installed in the furniture.



CELTO ACOUSTIQUE
iFIX13S Vented
Subwoofer black

Impressive 13" woofer,
compact design



**CELTO ACOUSTIQUE iFIX8 2-Way
Coaxial Speaker natural/white**

Big sound in a small package





EUROLITE LED PLL-2000 RGBALC PANEL

SURFACE LIGHT FOR PHOTO AND FILM

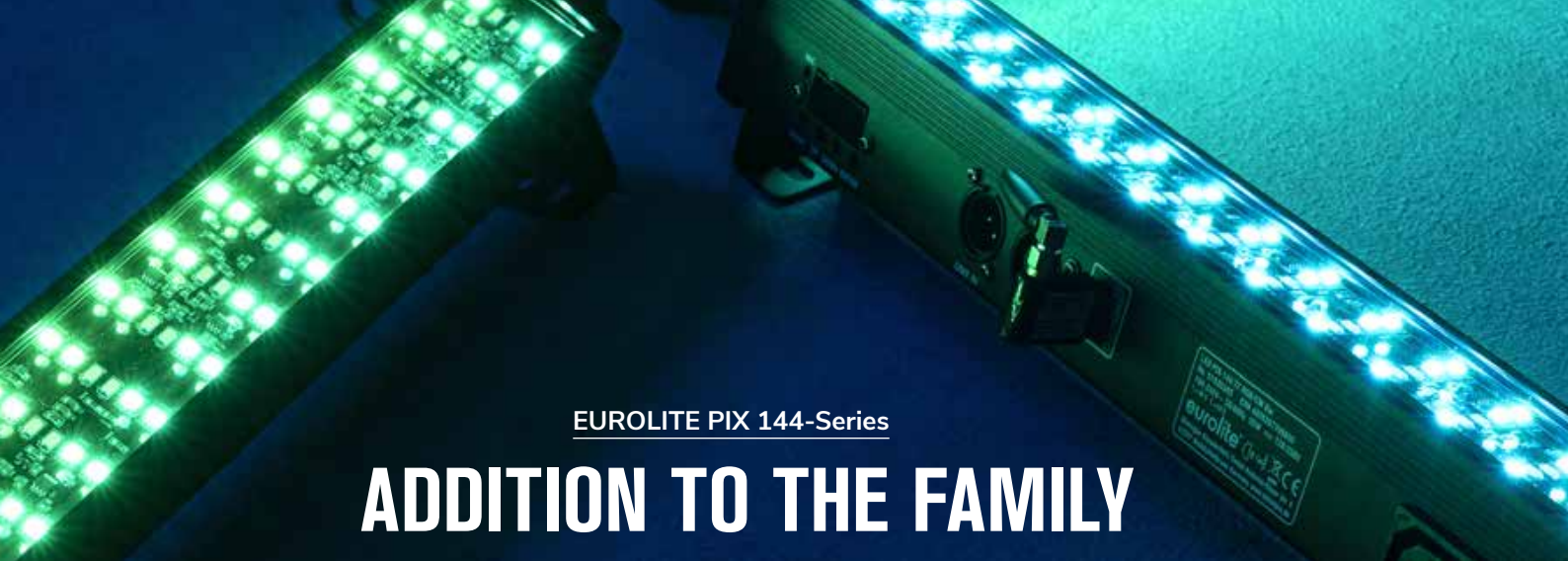


Surface lights can be used in an extremely wide range of applications: Photographers and videographers often rely on these fixtures with their extremely wide and soft light, but they are also often used in the stage area of theaters or as backlight on show stages. The PLL series from EUROLITE has won many fans thanks to its wide beam angles, high brightness but also the whisper-quiet design without fans in combination with fair prices and high quality. With the PLL-2000 RGBALC, EUROLITE now expands its wide range of surface lights.

The PLL-2000 RGBALC is equipped with 2688 powerful LEDs. These produce a very bright light, which is brought to 120 degrees beam angle via a frost filter. The special feature of the surface light, however, is its 6-color LEDs, which, in addition to the three primary colors red, green and blue, also produce the colors amber, lime and cyan. The amber and lime shades close the color gaps between red and green, the cyan the gap between green and blue. Thus thousands of color mixtures can be created.

The control can either be done via DMX or directly on the device via an endless rotating potentiometer. Three knobs allow direct setting of the DMX mode, the color temperature as well as the effect range. All colors can be adjusted without external control and also the frequency of the pulse width modulation can be adjusted in seven different values for flicker free operation.

The robust housing of the PLL-2000 RGBALC is equipped with four barn doors. There are two sturdy handles on the back. The bracket, which is suitable for tripod and hanging mounting, allows safe and stable mounting in the desired position and inclination. Power is connected via P-Con and can also be looped to other devices, DMX connections are designed 3-pin and 5-pin.



EUROLITE PIX 144-Series

ADDITION TO THE FAMILY



The EUROLITE PIX-144 series has welcomed three new members: All three are based on the PIX-144 RGB body, which uses a color mix of red, green and blue.

The new **PIX-144 RGBW** now also features cold white as an LED color. As a result, it can also display pastel tones and white colors much better.

Another new model is the **PIX-144 UV**. This UV bar generates a black light with a wavelength of 400nm. This creates the popular black light effect and produces a violet residual light so that you can still see where you are in the room. This UV effect can also be controlled either as an entire bar or with eight individual pixels.

The third novelty is the **PIX-144 RGB/CW Bar**. This has LEDs with RGB color mixing and extremely bright cold white LEDs for blinder and strobe effects. These white LEDs are not only very bright, but can also create various strobe effects, with the duration of each flash being adjustable. In addition, there are various well thought-out programs for the white and for the colored LEDs. Of course, individual pixel segments can be controlled here as well; for the white LEDs in 12 segments, for the colored LEDs even in 24 individually controllable areas.

EUROLITE LED STP-15 QCL BAR

TWIN BROTHER

With the STP-14, EUROLITE has already been offering an LED bar in the product range for some time, which is equipped with three different LED types in large quantities and can be controlled in many individual segments. With the STP-15, a new "twin brother" has now been added to the range, which at first glance appears to be identical to the STP-14. But what are the differences between the two versions?

A second look reveals that the STP-14 uses three-color, warm white and cold white LEDs, while the **STP-15** replaces the three-color LEDs with four-color LEDs. The warm white LEDs are replaced by RGB LEDs, while the cold white LEDs remain the same. Thus, the STP-15 offers more possibilities than the STP-14 in terms of color design.

In return, the STP-14 offers significantly larger DMX modes. This is an advantage if you want to use very large light consoles or Madrix for control. For smaller, simpler controllers, however, the STP-14 offers only two rudimentary modes for calling up



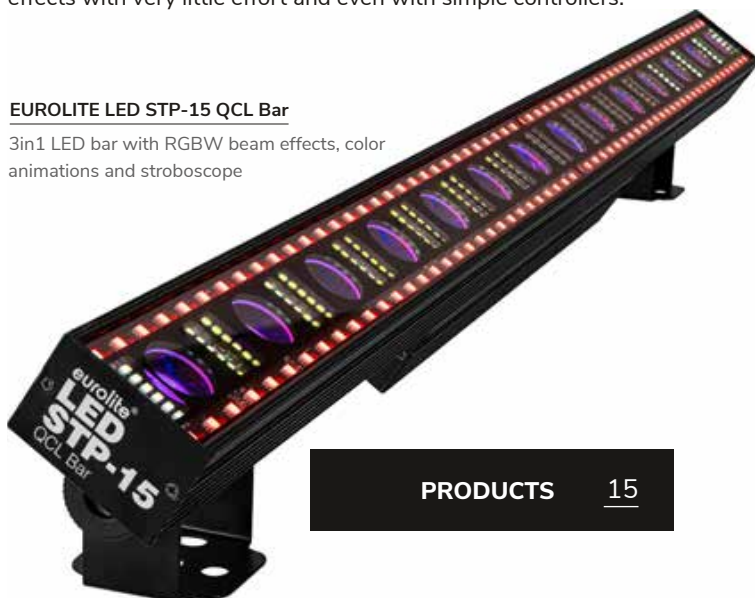
EUROLITE LED STP-14 Sunbar

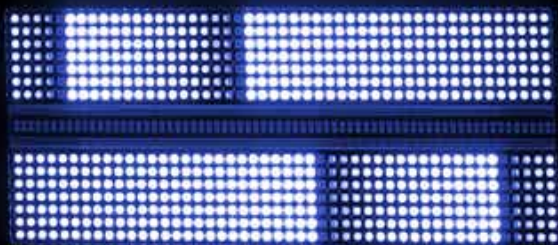
LED sunbar with 3 effects: warm white beam effects, strobe and ambient light

stand-alone programs, which then run in a motley fashion. This is exactly where the STP-15 comes in: While there is no direct pixel control, there are many stand-alone programs that can be combined with directly adjustable color. Thus, you can combine the pixel programs with any color and generate interesting effects with very little effort and even with simple controllers.

EUROLITE LED STP-15 QCL Bar

3in1 LED bar with RGBW beam effects, color animations and stroboscope



SIMPLY
MEGA

These two new **MEGA-STROBES** from EUROLITE are more than just strobes: Running down the center of both units is a thick line of cold white LEDs with a more than impressive light output. These white strobe LEDs can not only flash, but are also divided into several segments that can be controlled individually. In the Mega Strobe 812 panel, there are 140 cold white 3 watt LEDs divided into ten segments. In the Mega Strobe 768 bar, there are 384 cool white 1 watt LEDs divided into 64 segments.

However, both spotlight versions also offer a huge number of colored LEDs, based on RGB color mixing, in addition to the white LEDs. And these can also be controlled in individual segments for beautiful effects. For the Mega Strobe Panel these are 672 LEDs and 96 segments, for the Bar 384 LEDs and 64 segments. You can control all these segments individually by DMX signal, but with smaller DMX controllers you also have good options to use the fixtures. In addition, both versions offer small DMX modes. These make it possible to use macros with a few DMX channels. They support you in using the segments effectively.



EUROLITE LED Mega Strobe 812 Panel

3in1 LED effect light with RGB color mixing and DMX

An absolute eye-catcher is integrated in the Mega Strobe 768 Bar: Via DMX command, you can frost the front screen. This is not achieved via an attachable frost filter, but via a technique that frosts the front screen via an electronic impulse. A surprising and also very helpful effect that makes the bar a versatile effect light.



EUROLITE LED Mega Strobe 768 Bar

Strobe bar with colored and white pixel LEDs and switchable frost



**FROSTFILTER VIA
DMX COMMAND**

GET BLOWN AWAY!

**DISTANCE
IS NO LONGER A BARRIER!**

ANTARI FBN
AF-6



WELCOME TO VISIT US AT
PROLIGHT + SOUND

FRANKFURT AM MAIN

25 - 28 APRIL 2023 / HALL 12.1 D28



ALL CATS ARE GRAY BY NIGHT? NO WAY!

This saying is definitely not true for the new LED CAT-80 lighting effect from EUROLITE. Rather, the effect impresses with a very high brightness and a lot of variety. Its power comes from an 80 watt LED, whose high light output can literally provide bright excitement not only in the party area, but also on concert stages and other larger events.

VARIED LIGHT SHOWS

However, the CAT-80 is not only very bright, but also very versatile. Nine colored gobo images shape the light into interesting shapes, which are then multiplied by a faceted mirror. This mirror can rotate at an adjustable speed, creating movement. The light then hits a mirror roller, which in turn splits the projection – and this roller can also rotate at an adjustable speed, creating a combined movement of facet mirror and roller rotation. In addition, the roller itself can also be adjusted in its inclination and thus the plane of movement can be set.

FLEXIBLE USE

The result of all these possibilities is a large number of fascinating light beams that can be moved in a wide variety of dynamics. From static images to smooth rides to rapid movements: With this effect, there is never a dull moment. Surprising for some users might be the dimensions and the weight of the CAT: The device is much smaller and lighter than you would expect. The DMX control is designed in such a way that it can be controlled very well even with simpler controllers like the EUROLITE Color Chief.





CAT⁸⁰

3 kg

29,00 cm

31,50 cm

SPECIFICATIONS

Power consumption:	110 W
Power connection:	Mains input via P-Con (blue), mounting version power supply cord with safety plug
Lamp type:	LED lamp
LED:	1 x 80 W COB (chip-on-board) cold white (CW)
Flash rate:	0 - 25 Hz
Equipment:	Gobo wheel with static gobos; Focus manual
Gobos:	Gobo wheel with static gobos, 9 gobos and open
DMX channels:	7
DMX input:	3-pin XLR (M) mounting version
DMX output:	3-pin XLR (F) mounting version
Cooling:	Cooling fan

Control:	Stand-alone; Master/slave function; Sound to light via Microphone; DMX; QuickDMX via USB (optional); W-DMX by wireless solution via USB (optional); CRMX by LumenRadio via USB (optional); Light 'J'; Light Captain
Housing color:	Black
Display type:	OLED display
Dimensions:	Width: 29,0 cm Depth: 18,5 cm Height: 31,5 cm
Weight:	3,0 kg



FUTURELIGHT DMB-100
LED Moving-Head

BEAM MOVING HEAD IN A NEW DESIGN

A beam moving head with a new housing design is coming from FUTURELIGHT: The DMB-100 not only features a new look on the outside, but is also a completely new spotlight on the inside. It will gradually replace the DMB-160 from FUTURELIGHT. Although the **DMB-160 is equipped with a 160 W LED, the DMB-100, with its 100 W COB LED, still offers more light output thanks to higher efficiency and new optics.**

The DMB-100 focuses its light to the extremely **narrow beam angle of 1°**. The light can be shaped with **17 gobos**, and of course, extremely narrow iris gobos are not to be missed. Further optical possibilities are offered by the **two prisms, which split the light into eight round or six linear images**. Both prisms can be rotated in both directions and can also be used in combination, resulting in new optical possibilities.

The DMB-100 also features a **frost filter** that softens its projection. Colors are realized via a **color wheel with 15 colors**, and **split colors between two color filters** can also be set.

With the new housing design, FUTURELIGHT also offers new connection possibilities. The power connection is made via **IP T-Con Connectors**, the power can also be looped to other spotlights. The DMX connection is realized with **three-pin and five-pin XLR sockets**. A new addition to the connections is a **USB socket**. This is used for receiving **wireless DMX signals**. Two different USB receivers can be used, which either receive the **EUROLITE QuickDMX** signal or use the **professional CRMX technology from LumenRadio** and are, therefore, compatible with **LumenRadio and Wireless Solution transmitters**.



(optional)
QuickDMX

WIRELESS SOLUTION
MADE IN SWEDEN



lumenradio
Creating Connectivity for a Better Tomorrow

Optionally available WDMX receiver as built-in module:

FUTURELIGHT WDR-TIMO wireless DMX receiver PCB

NEW EDITION

The FUTURELIGHT Eye-740 has been one of the most popular washlights from FUTURELIGHT and now comes in a new version. Enduring with the MK2 version are the high quality, the **extremely quiet operation**, the **absolutely homogeneous color mixing based on red, green, blue and white** and the **possibility of individually controlling the LEDs**. All these factors made this washlight a sought-after fixture in theaters, television studios and concert stages, among others.

However, some things have changed: The zoom range still starts **extremely narrow at 1°**, but can now be extended to **extremely wide 48°**. The brightness is also higher than in the previous version despite the same LED power. The size is also new - **the MK2 version is even more compact than its predecessor** - and the housing design. And while **DMX can still be connected via 3-pin and 5-pin sockets**, the current input and also the forwarding of the current is now done **via IP T-Con**. Also included now is a **USB socket for wireless DMX**. This allows the fixture to be integrated into a **EUROLITE QuickDMX** system or into the professional standards of **LumenRadio** or **Wireless Solution**, depending on the USB wireless DMX connector used.



FUTURELIGHT EYE-740
MK2 QCL Zoom LED Moving-Head Wash



EUROLITE QuickDMX USB Wireless Transmitter/Receiver

Wireless miniature DMX transceiver 2.4 GHz, phantom powered

FUTURELIGHT WDR USB Wireless DMX Receiver

Wireless miniature DMX receiver with LumenRadio technology, 2.4 GHz

LEAVE THEM OUT IN THE RAIN!

These two new moving heads from FUTURELIGHT can be left out in the rain: Both carry the **protection class IP 65**, so they are even protected against water jets. Even in the pouring rain, they can be operated safely. Both are **equipped with very bright 420 W discharge lamps** that provide the necessary brightness even for large open-air productions. The differences between the two versions:

The **PLB-420** is a **fixture specialized in beams**, while the **PLH-420** is a **hybrid fixture** that combines **spot, beam and wash**. The hybrid PLH-420 offers high light output combined with a very versatile feature set: its zoom optics create **beam angles between 1° and 14° in beam mode and between 4° and 25° in spot mode**. In beam mode, it creates a deliberate hotspot for the highest possible light pressure, in spot mode an extremely homogeneous image for uniform projections. The moving head is equipped with **nine rotating, interchangeable gobos** as well as **14 fixed gobos** and has **two rotating prisms**. The **first prism creates eight images arranged in a circle, the second creates six images in a line**. A **frost filter softens** the light for a washlight effect; this feature is also adjustable in size using the zoom. **In addition, there are 14 different colors.**

The **Beamlight PLB-420**, on the other hand, **specializes in narrow beams**. So the moving head is not as versatile as the hybrid. But if you set both versions to the **narrowest beam angle of 1°**, you can see that the PLB-420 is ahead in terms of brightness. It, too, features two rotating prisms, which, however, affect the optics in a different position and therefore offer a brighter and more intensive result. **In addition to the “normal” 8-fold prism, the spotlight also has a very interesting honeycomb prism on board**, which visually creates an interesting effect. Also with the beamlight, there is the option to soften the light with the help of a **frost filter**.

So if you're looking for a pure beamlight for impressive effects in fog, you'll be in for a real treat with the PLB-420. If you are also looking for projections and versatility, we recommend the PLH-420.



FUTURELIGHT IP PLH-420
Moving Head Spot/Beam



FUTURELIGHT IP PLB-420
Moving Head Spot/Beam



WIRELESS SOLUTION
MADE IN SWEDEN



lumenradio
Creating Connectivity for a Better Tomorrow

FASTER, LOUDER, BRIGHTER!

New moving heads
for the popular ride
“Break Dancer”

BREAK DANCER // MANNHEIM

No funfair in Germany should be without it: Rides with a brightly colored look which attract visitors, especially in the evening, with eye-catching lighting, tempting them to take daredevil rides. The popular “Break-Dancer” ride received a visual update in October 2022: With 16 additional XB-280 moving heads from EUROLITE, the company Event Store Mannheim made sure that the attraction will shine even more in the future.



POWERFUL BEAMS AS AN OPTICAL UPDATE



EUROLITE TMH XB-280 Moving-Head-Beam

Bright, narrow beam with OSD
10 280W discharge lamp, color
wheel, gobos and prisms

LIGHT SHOW IN THE CHURCH





CHURCH OF ST. AUGUSTINE // WÜRZBURG

Advent is a special time in the Church of St. Augustine in Würzburg – and not just because it marks the beginning of the church year or because Christmas is approaching: During Advent, the Augustinerkirche in the heart of the cathedral city regularly offers its visitors visual highlights in the truest sense of the word. The reason for this is an annual concert series that attracts hundreds of listeners with classical church music, but also modern jazz and electronic music.

Modern lighting technology is used as the backdrop for the musical performances and to accompany them. In addition to powerful beam moving heads, which span the length of the nave with their bundled beams, colorful washlights and spotlights are also used. The former are mainly used to set the basic mood, while the latter add new accents to the image with gobos.

The fact that the church literally shows itself in a new light during the Advent season always positively surprises new visitors. The Advent concerts are an experience.



FUTURELIGHT DMH-300
CMY Moving Head

PRO beam/wash moving-head with 270 W COB LED, large zoom and CMY color mixing



FUTURELIGHT DMB-160
LED Moving Head

PRO beam moving-head with 150 W COB LED and many features



FUTURELIGHT DMH-160
MK2 LED Moving Head

PRO moving-head with 200 W COB LED and extensive features



FUTURELIGHT DMH-200
LED Moving Head

PRO beam/wash moving-head with 200 W COB LED and large zoom



Whether it's an organ concert or a sing-along evening, the visual support for the musical events is well received by the audience and adds an extra dimension to the concert experience.





Brother Carsten Meister is responsible for the lighting design of the events. When the Augustinian monk suggested to his confreres a few years ago to integrate show technology into the church services and religious events, he met with a divided response. However, the initial doubts gradually dissolved thanks to the convincing implementation of a coherent lighting concept: "Our audience appreciated our chosen path right from the start – in the meantime, lighting design, both static and moving light, is an integral part of our events and is even missed when we switch on the »normal white light.«", says Carsten Meister.



EUROLITE LED TMH-X19
Moving-Head Wash Zoom

Washlight with 19 intense 25 W LEDs (7in1) and unique color mixing



EUROLITE Multiflood Pro IP
SMD RGBW Strobe/Wash

Weather-proof (IP65) 3in1 LED effect light with RGBW color mixing



EUROLITE LED TMH-X25
Zoom Moving-Head

5x5 Matrix Panel, bright 12 W RGBW LEDs, large zoom

NEW HEADS ARE NEEDED

NEW MOVING HEADS IN THE TMH SERIES FROM EUROLITE

A whole series of new moving heads is waiting in the wings at EUROLITE in 2023. We give you an overview of the “new heads”:



TMH
X4

Moving Head
Wash Zoom
black/white

TMH
H240

Beam/Wash/
Flower Effect

TMH
W480

Moving Head
Wash Zoom

TMH
S60

Moving Head
Spot
black/white

TMH
B60

Moving Head
Beam



TMH X4

Moving Head
Wash Zoom

black/white



- Subdivided into 3 segments, which can be controlled individually via DMX
- Stepless color blend, color change
- Strobe effect with adjustable speed
- Electronic dimmer
- Mains input and output for power linking up to 8 units
- 19 powerful 15 W COB (chip-on-board) 4in1 QCL RGBW LEDs (homogenous color mix)
- Positioning within 630° PAN and 270° TILT



New and yet an old acquaintance is the EUROLITE LED **TMH-X4**: The extremely popular washlight is now also available in a white housing. What has remained the same is the proven and popular inner workings with the large zoom range, powerful RGBW LEDs and the robust workmanship.



TMH H240

Beam/Wash/
Flower Effect



- 3in1 moving head beam, wash and flower effect in one device
- Each LED can be controlled individually via DMX
- Motorized zoom, lens rotation, stepless color blend, color change, preset colors, color temperature setting, pattern and flower effects, backlight
- Strobe effect with adjustable speed, random strobe effects



The EUROLITE LED **TMH-H240** is a hybrid moving head that impresses with its versatility. On the one hand, it is a normal washlight with a motorized zoom from 2° to 40°. This allows narrow beams in fog as well as illuminating wide areas. On the other hand, it can also split its light to create a spectacular, high-intensity flower effect that produces dynamic, moving beams. At the same time, each LED can be controlled individually.



TMH W480

Moving Head
Wash Zoom

The EUROLITE LED **TMH-W480** is a large moving washlight with 12 extremely powerful 40 W LEDs. The color mixing is based on red, green, blue and white and in the largest DMX mode, each LED can be controlled individually in each color. But even with fewer DMX channels, very nice effects can be created via macros. Its zoom range goes from extremely narrow 1° to wide 35°.



- Individual control of each LED or in different variations
- Strobe effect with adjustable speed, random strobe effects
- Stepless color blend, color change
- Animated patterns, background colors
- 16-bit resolution for high-resolution dimming
- Mains input and output for power linking up to 4 units



TMH S60

Moving Head
Spot

black/white

A particularly compact and yet powerful spotlight is the LED EUROLITE **TMH-S60**. Despite its compact dimensions, it is not only equipped with a bright 60 W LED, but also with a rotating gobo wheel and a color wheel. The gobos can be changed very easily. The scope of delivery also includes three heart gobos. three Halloween motifs are available as inexpensive accessories. Of particular interest for use at wedding parties is the fact that the spotlight is also available in a white housing.



- 3 gobos with heart patterns for exchange included
- Electronic dimmer
- 1 powerful 60 W COB (chip-on-board) cold white (CW) LED
- Positioning within 540° PAN and 180° TILT
- Color wheel with 7 dichroic filters plus open
- Rainbow effect with adjustable speed in both directions
- Gobo wheel with rotating gobos, 7 gobos and open
- Slot-in gobo system for easy gobo replacement





TMH B60 Moving Head Beam



- Compact lightweight
- Electronic dimmer
- Motion macros can be called up via DMX
- Strobe effects with adjustable speed
- 1 powerful 60 W COB (chip-on-board) 4in1 QCL RGBW LED (homogenous color mix)
- Positioning within 540° PAN and 180° TILT
- 4 integrated Showprograms
- Can be operated in 12; 14 CH mode
- The device is cooled by cooling fan

With the EUROLITE LED **TMH B-60**, there is also a new, very compact beamlight. Here, too, a 60 W LED is used. The beam angle is a narrow 2°, ideal for beams in fog. The colors are generated via RGBW color mixing, which is excellent at displaying pop colors as well as pastel shades and white light.



Did You Know?

By the way, all these new moving heads, but also most of the other new spotlights and fixtures from EUROLITE have the USB socket for wireless DMX signal. For this, there is a EUROLITE QuickDMX stick to receive the QuickDMX signal and a FUTURELIGHT WDR USB receiver that can receive the LumenRadio CRMX signal, which is considered the standard in professional lighting.



**COMING
SOON**



Later this year, the series will be expanded to include a weatherproof moving head wash-light with 19 RGBW LEDs and IP65 protection. The new outdoor head will go by the name EUROLITE LED **TMH-W760**.

THERE'S LIFE IN THE OLD DOG YET

Even though the scanner has been predicted to die for years: **It will not die this year either.** EUROLITE even reported increasing scanner sales figures and therefore released another model with the **TSL-350 Scan**. With a choice of black or white housing, “the new one” is ideally suited to both dark club environments and gala locations. For those who are now wondering what is still in favor of scanners and against moving heads in the year 2023, here are a few general considerations:



REQUIRED SPACE

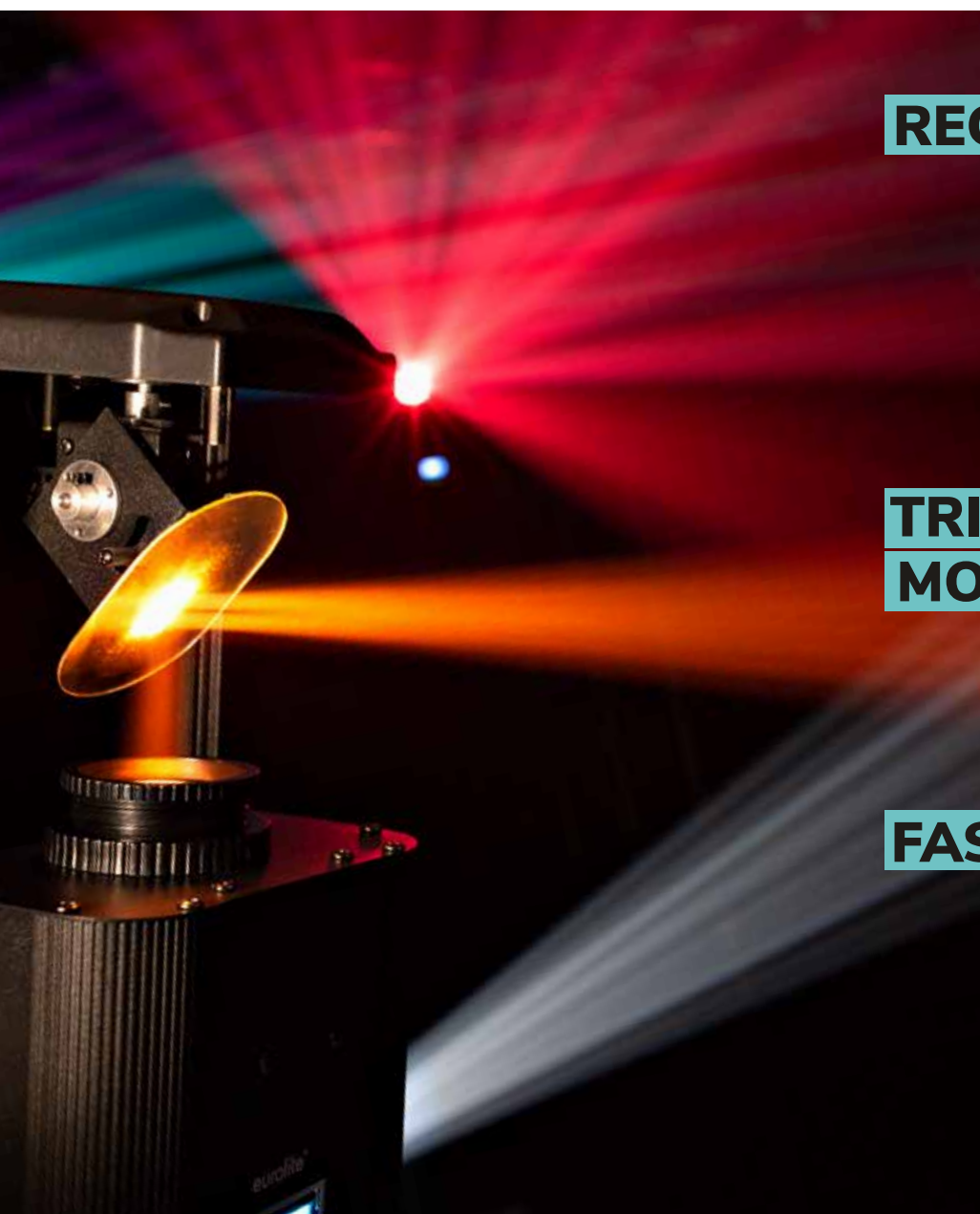
Scanners light up and only move in one direction. In contrast to moving heads, there is no need to restrict their range of motion if they are only to shine in one direction. Scanners, thus, provide moving light with less space requirements and can also be ideally placed in room corners.

TRIPOD MOUNTING

Scanners can easily be mounted on light stands, which is not so easy with moving heads due to their higher moving mass.

FAST MOVEMENT

Since only the mirror moves in the scanner and not the whole head, the movement of the light beam is faster than in moving heads.





LONG LASTING

There is a lot of mechanics and electronics in the head of a moving head, which is in non-stop motion. This stresses the components more than in the scanner, where only the mirror moves. Scanners are therefore less susceptible and easier to repair if necessary.

DMX CONTROL WITH 8 BITS

If you can only control your moving light with 8-bit resolution, you will get cleaner movements with scanners. In 8-bit control, only 255 DMX values are available for one channel. For a moving head with a 540-degree pan range, each step moves the head about 2.1 degrees, but for a scanner with a 180-degree pan range, each step is only 0.7 degrees.

The new scanner from EUROLITE

The **TSL-350 Scan** is equipped with a 60 watt LED. In terms of brightness, it ranks above the TSL-250 Scan. It has a color wheel with eight colors and a rotating gobo wheel with seven gobos. The gobos can be exchanged very easily. Since it has the same gobo size as the TSL-250, there are also two alternative gobo sets for the "new" one, each with three gobos with the motifs Hearts and Halloween. The white version of the scanner, equipped with heart gobos, is therefore ideal for weddings.



**EUROLITE LED TSL-350
Scan COB**

Handy scanner with 60 W COB LED, gobo and color wheel, available in black and white

MODERN BUILDING LIGHTING: energy-saving and colorful

Whether at a city festival or for an art installation, whether short-term or permanent: Tastefully implemented facade lighting attracts attention and creates an interesting atmosphere. Today, energy consumption is more important than ever. Where real power guzzlers with conventional light sources were installed a few years ago, modern LED devices with low energy consumption are used today. As further plus points, they often bring radiant colors and compact dimensions.

If you want to realize permanent architectural lighting, it is best to look for outdoor spotlights in weatherproof metal housings. Compared to devices with plastic housings, these robust spotlights are still in top shape even after several months of outdoor use.



EUROLITE LED IP FL

Flat outdoor floodlight (IP65) with colored and white LEDs

These floodlights with the designation IP FL have bright SMD LEDs, each in only one color: red, green, blue, violet, turquoise, orange, UV, warm white and cold white. This makes the narrow spotlights particularly suitable for fixed installations, for example in the outdoor area of event locations, and for architectural lighting.



FL-50



FL-30



FL-300



FL-200



FL-150



FL-100



FL-50



FL-20



FL-10



BEAM ANGLE
4°

EUROLITE LED PST-40 QCL Spot

LED spotlight with RGBW color mixing, IR remote control and 2 frost filters



FROST FILTER
20°



FROST FILTER
80° (Only indoor version)



IP 65

Also available as IP 65 version:

EUROLITE LED IP PST-40 QCL Spot



Modern LED lighting offers a number of advantages for architectural lighting:

- Energy efficiency: LED lamps consume less energy compared to conventional bulbs, while also having a longer lifespan.
- Flexibility: LED devices can often produce light in different colors and intensities, depending on the product type, which opens up a wide variety of lighting options.
- Durability: Outdoor-ready LED lamps are robust and long-lasting, reducing repairs and maintenance costs.
- Environmental friendliness: LED lamps do not contain hazardous substances such as mercury and have a lower carbon footprint compared to traditional light sources.
- Customizability: Many LED fixtures, such as EUROLITE's IP PST spots, can be easily controlled and programmed via DMX for flexible lighting adjustments at any time without the need for remodeling.

Modern LED spotlights offer a high-quality, energy-efficient and flexible solution, especially for architectural lighting, that serves both practical and aesthetic purposes.

EUROLITE Cablebridge

5 Channels 900x500x50mm

Rugged cable crossover with yellow cover, maximum load 9t



TIP

Cable bridges

If outdoor lighting is to be installed only temporarily, they are indispensable: Stable rubber cable bridges ensure safety and protect the equipment.

ROBUST SPOTS FOR INDOORS AND OUTDOORS

The two new **Tourlight 200** from **EUROLITE** are recommended for several areas of application at once: Their housing complies with protection class **IP 65**, even pouring rain cannot harm these spotlights. Accordingly, the connections with **IP T-Con** for **power input and output** and **IP-XLR** for the **DMX** signal are also up to all weathers. Also included is a **wireless DMX receiver for the EUROLITE QuickDMX system**. The delivery also includes an **IR remote control** that can be used to control the fixtures.

EXTERIOR

The housing has a particularly robust construction, so even hard touring use won't harm the spotlight. Its bracket is designed as a double bracket, it can be used hanging as well as standing. An **eyelet firmly attached to the housing** secures the spotlight not only against falling down, but also against theft.

INNER VALUES

A very **bright COB LED** is used as the light source in both versions. In combination with a reflector, this combines the beautiful retro look of a halogen spotlight with the advantages of **state-of-the-art LED technology**. The beam angle of the spotlights is **30 degrees**, which is suitable for many applications. The spots also **operate without a fan**, so they don't generate any annoying noise, making them ideal for particularly **noise-sensitive environments**.

DIFFERENCES

What is the difference between the two models? The **IP Tourlight 200 WW** is a floodlight that produces white light only. This light is **warm white with a very high color rendering index (CRI)** and represents even complex colors and human skin very naturally. It is therefore very suitable for pure white architectural lighting, but also as a front light for concerts and performances.

The second version with the **RGB+WW** in its name, on the other hand, offers different **LED colors: red, green, blue and warm white**. Thus, you can mix countless **bright colors with this spotlight as well as create warm white light**. And unlike many other spotlights with color mixing, the **white here is of very high quality**. A perfect spotlight for colorful and white architectural light as well as indoor and outdoor concert and performance.

EUROLITE LED IP Tourlight 200 WW

Silent IP65 spotlight with warm white
200 W LED, QuickDMX, CRI >90

EUROLITE LED IP Tourlight 200 RGB+WW

Silent IP65 spotlight with RGB+WW color
mixing, QuickDMX, CRI >90

NEW IP SPOT WITH ZOOM



EUROLITE LED IP Par 7x40 QCL Zoom



Outdoor spotlights are becoming more and more popular. Not only are the weatherproof units ideal for outdoor events, but they can also be used indoors: The waterproof housings also don't let dust and dirt inside. The **IP Par 7x40 QCL Zoom** is a special model among the **IP floodlights**, which not only impresses with its weather resistance (protection class IP65).

Seven powerful LEDs provide comparatively very high light output. The color mixture is based on **red, green, blue and cold white**, enabling beautiful and homogeneous moods. A special feature, however, is the **motorized zoom** of the spot: This can be adjusted by DMX command or via the display and allows a **beam angle between 1° (extremely narrow) and 38° (wide)**. A narrow beam in fog or the illumination of distant objects is thus just as possible as wide-area illumination.

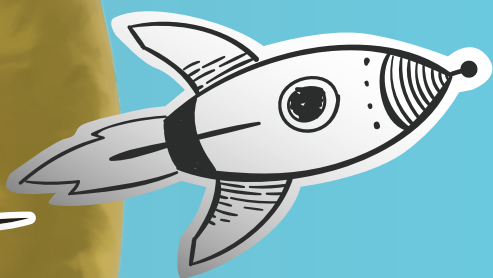
The housing has an attractive and robust design. The **bracket is double**, so it can be used for hanging and direct placement without a floor stand. The connections are realized via **weatherproof T-Con and IP-XLR sockets**, power and DMX signal can be looped through to other devices.



15 YEARS OF SUCCESS

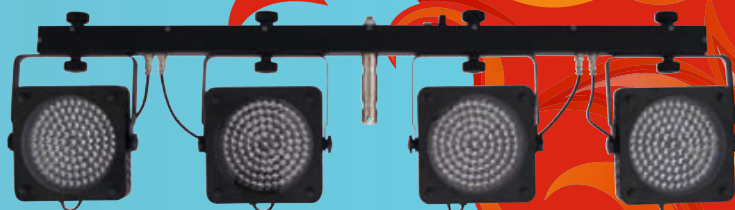
In 2008, a new kind of device was launched at EUROLITE: The first compact light set with LEDs, the original KLS-200. The revolutionary part about it: Four flat LED spots hung together on a bar, through which they were supplied with power and DMX signal. Everything came packed in a handy carrying bag and was unpacked and set up in seconds. This was not only more space and power efficient, but also much more convenient than setting up and wiring four individual PAR spots, as had been the norm up to that point.

Quickly the original KLS (-200 and -100) gained many fans, especially among wedding DJs and small bands. The enormous success of these first compact light sets led to the series being continued and expanded. Even the developers of the KLS had no idea at the time how much their invention would change the market. But soon other manufacturers jumped on the bandwagon and launched their own versions of the compact light set.



KLS-200
Nº1

STILL TODAY, FOR THE
KLS-200 ARE MORE THAN
25 DIFFERENT
SPARE PARTS
AVAILABLE



15 YEARS KLS

Gradually, the series grew over the years, producing more and more versatile models: smaller or larger, with additional effects units or lasers. The basic concept of several spots on a bar with the easiest possible transport and setup always remained the same. The fact that a KLS bag is no bigger than the carrying case for an electric bass makes the sets particularly attractive for musicians and users who rely on mobile lighting technology. **Thanks to the compact dimensions, a small light show fits easily into the trunk of a car!**

THE KLS BAG
IS NOT BIGGER
THAN A BASS CASE

INFO

All lasers in the KLS systems are class 2M lasers. This means that they may be used in Germany without approval and without strict safety requirements. Other regulations may apply in other countries.

NEW
2023

KLS SCAN PRO NEXT

The latest addition to the KLS series in 2023 is the LED KLS Scan Pro Next FX. In addition to the obligatory flat LED spots, this modern light strip offers a derby effect, two individually controllable scanners and LEDs for a UV effect. With this unit, a full-fledged, small light show comes completely pre-assembled out of a bag! The fact that the KLS has arrived in the modern age is also shown by the possibility of wireless control via QuickDMX: To do this, simply plug the receiver for wireless DMX into the bar via a USB socket.

QuickDMX: To do this, simply plug the receiver for wireless DMX into the bar via a USB socket.

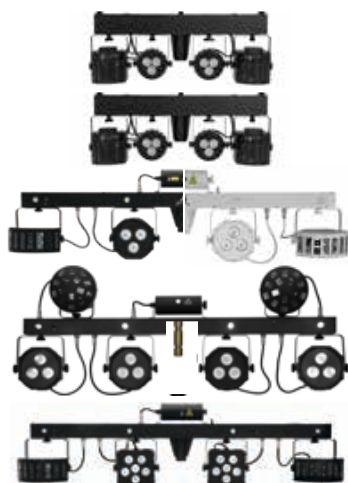
ALL KLS AT A GLANCE

With or without additional effects, with UV or strobe LEDs, with show laser or without: The choice of the KLS from EUROLITE is enormous. For a better overview, we have listed all currently available models with their respective extra functions. Whether for wedding DJs, solo entertainers, small bands or youth clubs - there is a suitable model for every user and purpose.

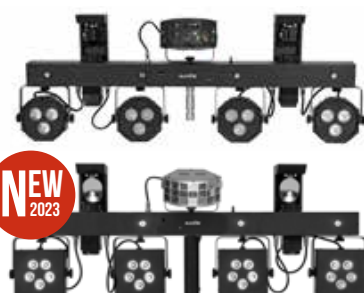
By the way: Even years after the discontinuation of a model from the current range, EUROLITE still offers many spare parts for the KLS. It is often worth asking the manufacturer!



Name	Description	Special Features	USB WDMX
KLS-120	simple KLS with 4 RGBW spots	Affordable, but good quality	✓
KLS-180 KLS-180 wh	Bar with 4 RGBW LEDs and 4 strobe LEDs	Available in white housing	✓ (only white housing)
KLS-170	4 Strobe LEDs	Strobe & UV LEDs	
Akku KLS-180	Bar with 4 RGB spots, cold white and UV LEDs	Battery-powered	✓
KLS-60 WW	Bar with 4 warm white, high-power spots	Warm white spots with high CRI, both very narrow and very wide beam possible	✓
KLS-190	Bar with 4 RGB COB LEDs and 4 strobe LEDs	COB optics, both narrow and wide beam possible	✓
KLS-180/6	Bar with 6 RGBW spots and 6 white strobe LEDs	6 spots	✓
KLS-902 Next	With 4 RGB&WW spot-lights	LEDs with color mixing and warm white TV spigot mount and P-Con power connector	✓
KLS-3002 Next	4 LED spotlights with RGBWA&UV color mixing	Most powerful KLS with infinite color possibilities TV spigot mount and P-Con power connector	✓



Name	Description	Special Features	USB WDMX
KLS-120 FX	2 RGBW spots and 2 derbies	Beginner KLS	✓
KLS-120 FX II	2 RGBW spots, 2 derbies and 2 show lasers	Extremely compact, with show lasers in the derbies	✓
KLS Laser Bar FX KLS Laser Bar FX wh	2 RGB spots, 2 derbies, white strobe LEDs and show laser	Lots of variety, also available in white	✓ (only white housing)
KLS Laser Bar Next FX	Bar with 4 RGB&WW spots, 2 Mushrooms, UV& Strobe LEDs and effect laser	With 4 spots and tailored effects ideal also for bands	✓
KLS Laser Bar PRO FX	Bar with 2 very bright RGB spots, 2 derbies, strobe/UV LEDs and show laser	TV spigot reception and P-Con power connector Bigger and stronger version of the popular KLS Laser Bar FX	



Name	Description	Special Features	USB WDMX
KLS Scan Next FX	4 RGB&WW spots, 1 derby, 2 scanners and UV effects	With 2 full scanners and many additional effects TV spigot mount and P-Con power connector	✓
KLS Scan Pro Next FX	4 RGB&WW spots, 1 derby, 2 scanners and UV effects	More powerful version of the KLS Scan Next FX Bar with more powerful spots, derby and scanners TV spigot mount and P-Con power connector	✓



INTERIOR DESIGN WITH LIGHT

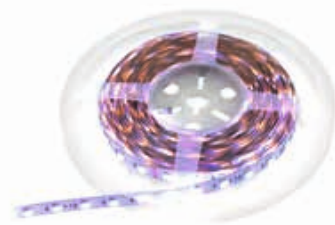


Designing rooms with light is all the rage: whether it's a club or a bar, a cinema or a lounge - LED strips are used everywhere today, serving as indirect lighting or as colorful eye-catchers in room design. For all those who want to integrate their LED strips into the lighting concept or into an entire light show and are looking for a flexible way to control them, there is now something new: the Ambience Control series currently comprises two devices. The two controllers differ in terms of power and the number of LED strips that

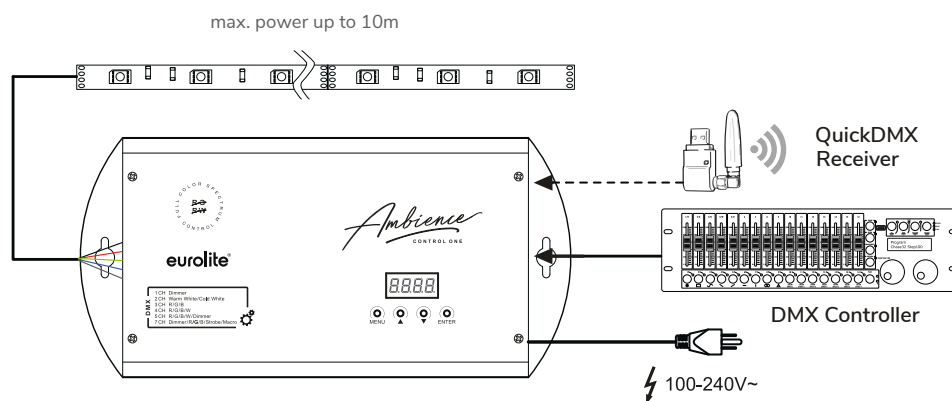
can be controlled. But what they have in common is the basic principle: they allow LED strips to be simply played with stand-alone programs or controlled via DMX (also wirelessly) and thus integrated into light shows with other devices. How is this new control system best used? For example, in a bar where LED strips are installed as indirect lighting and are to be controlled together with additional effect devices or small moving heads via a DMX controller. Here, the larger version of the Ambience Control can be used to control up to



EUROLITE Ambience Control 1 RGBW 24V
Compact controller for RGB/W+CCT LEDs (24V)



EUROLITE LED Strip 300 5m
Flexible LED strip with RGB and warm white LEDs



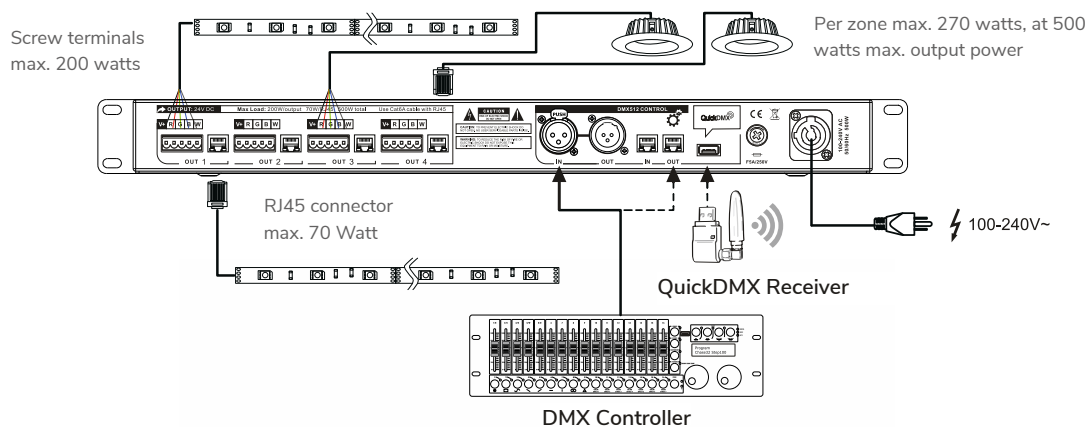
Ambience

CONTROL

4 x 10 meters of LED strip in four different zones. Via DMX control, you can then either use a conventional console or fall back on the modern and wireless app control "Light Captain". In this way, different DMX devices and LED strips can be easily controlled together via an iPad or Android tablet and combined in light shows.

To enable wireless control, all devices of the Ambience Control series feature a USB socket for the QuickDMX USB receiver.

Another advantage of the controllers: The high-quality power supply of the brand Meanwell, which when installed, ensures stable operation of the LED strips without flickering. The devices of the Ambience Control series each offer three functions combined in one controller: They serve as power supply, stand-alone controller and DMX interface for LED strips. With relatively little effort, it is thus possible to implement lighting concepts that span different types of devices.



EUROLITE Ambience Control 4 RGBW 24V
4-zone controller for RGB/W+CCT LEDs (24V)



EUROLITE QuickDMX USB Wireless Transmitter/Receiver
Wireless miniature DMX transceiver 2.4 GHz, phantom powered

Download on the
App Store

GET IT ON
Google Play



FOUR



INFRASTRUCTURE FOR DRY THROATS

Beer stations at the WACKEN festival from hundreds of meters of truss

Interview with Franz-Josef Heimes

The secret stars of the WACKEN Festival are not on stage – but on the pipeline. The beer pipeline, to be precise, which has been supplying the 43,000-square-meter “infield” with a steady influx of beer since 2017, keeping the metal festival’s visitors in high spirits. The underground beer pipes lead into large dispensing stations, where throats that have become dry from roaring along are wetted with the freshly tapped, cool brew. So far, so obvious. But how can these stations be set up and dismantled in the shortest possible time? Which material is robust and at the same time modular enough to be adapted to the various conditions on site? Franz-Josef

Heimes, founder and owner of the company Heimes Media, has the right solution: His team is building the entire bar structure at the WACKEN festival from ALUTRUSS aluminum trusses and the truss4bars counter system. We had the chance to ask him a few questions about the WACKEN project.

You are not only recently engaged in the construction of counter systems for events - can you give us a brief overview of your company history and the development of your counter solutions?

The company Heimes Media was founded in September 2004 with the activity field of event technology and fixed

installation. Shortly after that, I started to build counter and tent constructions with trusses. The trend was relatively new at that time and my focus was to construct especially the counter surfaces in a practical and visually appealing way. This is where our truss4bars truss support came from.

How did it come about that you got the order for the bar stations at the WACKEN festival?

From our side, we contacted the responsible organizers and presented our systems. These were very positively received. At the same time, WACKEN was negotiating with the Krombacher brewery. The complete

set-up of the Krombacher bar stations was also planned and implemented by Heimes Media.

What is the advantage of your counter solutions made of trusses and truss4bars?

The big advantage is the fast assembly and disassembly of our truss systems. For the most part, we work with fixed structures, some of which are already pre-assembled and packed per bar station. Thus, the individual structures can be moved quickly and easily to their places of use. The big advantage of aluminum trusses is their weight, which is why even longer distances can be handled easily.

A TOTAL OF
APPROX. 2,200 M
4-POINT TRUSS WAS
INSTALLED



What was the biggest challenge for you in the WACKEN project?

The extensive terrain and getting around before and during the event. The use of vehicles is not possible everywhere and especially during the event some roads are not passable. In addition, the weather situation plays a big role. Both rain and severe drought and heat make the terrain either very muddy or dry and dusty. In 2022, everything was very dry and brown dust had settled on much of the equipment. Especially the big canvas of the truss tents had to be cleaned thoroughly after the event at the camp.

How many meters of trusses were used for the counters at the WACKEN? How many trucks were used for this alone?

A total of approx. 2,200 meters of 4-point trusses were installed. In addition, there were countless corner and angle pieces, as well as lots of T-pieces. For the transport of the trusses alone, five large 40 t semi-trailer trucks were used. A total of 16 trucks were used.

How long did it take to set up all the bars and bar stations for WACKEN 2022?

It took around 2.5 weeks to set up. However, this was also based on sound planning, which we had worked out in great detail well in advance.

What do you wish for the coming years?

Balanced good weather conditions and good communication with the other trades.

Thank you very much for the interview and we wish you continued success!



ALUTRUS QUADLOCK
6082-4-Point-Truss

alutruss

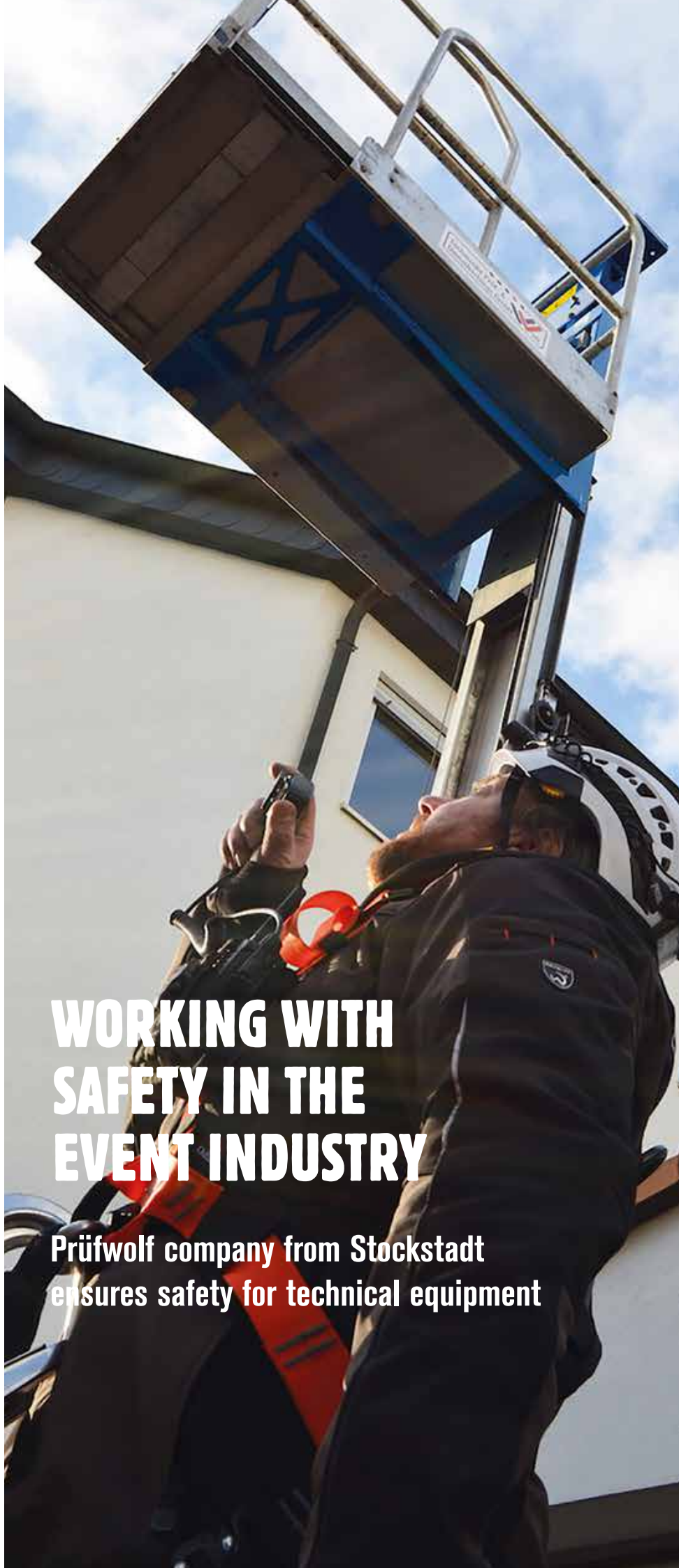
For 30 years, the ALUTRUS brand has been offering its customers reliable trusses for professional stage, trade fair and store construction.



INTERVIEW

with Matthias "Prüfwolf" Wolf from
Technische Prüf- & Dienstleistungs GmbH Wolf

Occupational safety is at the top of the agenda in companies – and rightly so: After all, it is not just about the safety of people and equipment, it is also about a company's reputation, because accidents can have serious consequences – especially on and around the world's stages. Matthias Wolf and his team from "Prüfwolf" – the Technischen Prüf- und Dienstleistungs-GmbH from Stockstadt – therefore put general technical equipment, as well as that from the event industry, through its paces. We were able to interview the founder of the company.



WORKING WITH SAFETY IN THE EVENT INDUSTRY

**Prüfwolf company from Stockstadt
ensures safety for technical equipment**

Hello, Matthias! Thank you very much for being available for an interview. Your company is fully committed to occupational safety. Can you briefly introduce “Prüfwolf” to our readers and describe what exactly the areas of responsibility are that you are concerned with?

The “Prüfwolf” is a company that specializes in the occupational safety regulation prescribed by law. This means that we actually test all operating equipment that is present in companies. These tests are based on the rules and regulations specified by the employers’ liability insurance association, such as tests on electronics or lifting equipment. Other items requiring testing, which we encounter every day at work, include personal protective equipment (PPE) such as safety helmets, safety shoes, safety harnesses or even forklifts, elevating work platforms, and so on.

You also test equipment from other industries, but you have a connection to the event industry and event technology. Where does this come from? Can you give us an insight into your activities in working with your customers from the industry?

With my company PA-Light, I have been active in the event industry for over 20 years. Therefore, I am very familiar with the requirements for occupational safety in event technology and the corresponding tests, especially from a customer’s perspective. It is often the case that before or during the set-up of an event, the person responsible for a location wants to see proof of equipment tests and the corresponding certificates. This experience gave me the idea of offering and conducting training and testing in the area of occupational safety for players in the event industry. As a state-certified mechanical engineer, I am also a certified expert and a member of the

German “Bundesverband Deutscher Sachverständiger des Handwerks e.V.” (BDSH). I have passed my examinations as an electrician and specialist in event technology as well as the corresponding training license at the IHK (Chamber of Industry and Commerce). In addition, I am authorized to carry out individual UVV inspections in accordance with the requirements of the employers’ liability insurance association.

What aspects are important in a safety inspection of equipment? What do you pay particular attention to?

That varies depending on the test. However, official and CE-certified material and operating instructions in German should generally be available. In addition, the manufacturer and type should be visible on the equipment. After that, it gets a bit more specific, because electrical equipment has to be tested according to its

given a barcode for recognition. All inspection points are checked or measured and documented with photos so that they can stand up in court. The customer receives all test reports digitally. This way, he has these important documents with him on every job and can produce them. In addition, the inspection sticker must be clearly visible with the next inspection date on the equipment. We also fill out the inspection book and stamp it.

What should a customer pay particular attention to in order to pass a test successfully?

Documents such as the inspection book and manufacturer’s documentation should be available and type plates should be legible. It is also advisable to repair any obvious damage in advance. Everything else can be seen in the course of the test.

How long does such an inspection take and where does it take place?

Duration and scope depend very much on what is being presented for inspection. A round sling, for example, is tested more quickly than a forklift or an elevating work platform. It is best if the test is carried out in our new company building, which has been specially adapted to the testing processes. Here we can also carry out small repairs sometimes. Our test stands are also mobile. We often pick up equipment with our trucks and test it overnight if it is needed again quickly. Racks, hall doors, forklifts or other large components are tested by us with a service vehicle directly on site.

“ THESE TRAINING COURSES CAN BE HELD EITHER AT OUR ACADEMY OR AT THE CUSTOMER’S SITE. ”

intended use. In addition, chains and chain hoists always come to the test stand for tensile force measurement. Lighting and speaker stands are also subjected to measurements regarding their load-bearing capacity as well as material tests.

How does such an inspection work?

We have programmed an app for our company in which all the inspection points are stored for each individual piece of equipment. Each piece of equipment presented to us is then



You also offer training and courses. Which training courses and topics are particularly interesting for event technicians? What are the main areas of focus?

For event technicians, our training courses and driver's license tests for forklifts, aerial work platforms and cranes are definitely of interest. These training courses can be held either at our academy or at the customer's site. We also offer training courses for the annually prescribed instruction. These can be booked online with us and completed via e-learning. By the way: Even for industrial trucks operated by an attending person, so-called "ants", a driver's license according to the "DGUV Guideline 308-001" is necessary. Of course, this can also be done in our academy.

Thank you very much for taking the time to talk to us! We wish you and your company all the best for the future!





PURE POTENZA

NEODYMIUM COMMON HF/LF MAGNET COAXIALS

Coherently aligned with precision crafted optimized flux motors, patented Next Generation compression driver technology and smooth transmission interfaces between LF - HF - Horn. 12" or 13.5" models available with 60°x40° coverage horn (CAN123.00TH / CAN143.00TH) or 80° coverage using LF cone (CAN123.00T / CAN143.00T).

These are just a few examples from our comprehensive and elegant range of high-performance HF and LF transducer products, all designed at our state-of-the-art R&D Center in Potenza Picena, Italy.

- 75 mm (3 in.) LF COPPER VOICE COIL
- 75 mm (3 in.) HF EDGEWOUND CCA VOICE COIL
- 800 W LF PROGRAM POWER HANDLING
- 160 W HF PROGRAM POWER HANDLING
- 45-18000 Hz FREQUENCY RANGE
- 1200 Hz RECOMMENDED Crossover
- HYBRID TITANIUM/POLYIMIDE HF DIAPHRAGM
- DOUBLE ALUMINIUM DEMODULATING RINGS



WWW.LAVOCESPEAKERS.COM

YOUR GLOBAL PARTNER
FOR TRANSDUCERS:
FROM CONCEPT TO DELIVERY

Lavoce
I T A L I A N A

FULL POWER!

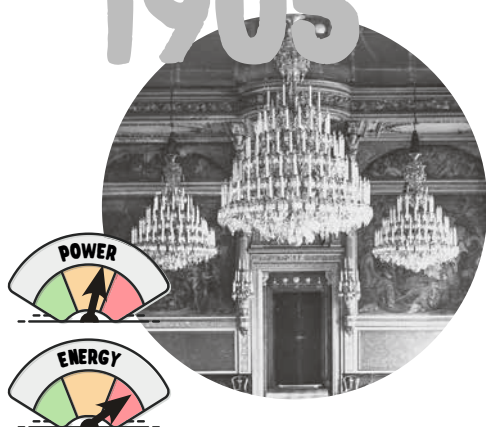
Energy consumption in lighting technology over the course of time

Light sets the mood. So it's no wonder that from the days of brightly lit dance halls in the 1920s to today's clubs, every venue has relied on appropriate lighting. While dance halls were still illuminated with magnificent chandeliers, nowadays people tend to resort to indirect lighting, surface lights and lighting effects. But all these mood-setters

have one thing in common: they need energy, and often not in short supply.

We take a look at one aspect that is particularly important today: the energy consumption of a location and how it has developed over the past hundred years.

1905



Let's take a look at a ballroom of the Belle Epoque: At the beginning of the 20th century, elegant chandeliers, curved wall lamps and ornate table lamps dominated the appearance there. An expansive chandelier could easily have 32 lamp bases, each fitted with a 60 watt candle-shaped lamp. This alone corresponded to an energy consumption of 1920 watts per chandelier. In addition, there were several wall sconces, most of which were also equipped with 60 watt lamps, but mostly in the form of drops, and for each table a light fixture equipped with a 40 watt lamp. A ballroom, for example, illuminated by 12 chandeliers, 40 wall lamps and 60 table lamps, thus already had a combined energy demand of **27.84 kilowatt hours**.

1950

We jump ahead a few decades and land in the 1950s. After the end of World War II, many of the representative buildings with dance halls were damaged or destroyed, so that rather smaller clubs and music pubs established themselves in the cities. Of course, the twist and rock 'n' roll also contributed to this. The small clubs were not equipped with much technology and lighting, but rather offered a dim atmosphere. Even a larger club, which could serve with 60 tables, a dance floor and a stage including lighting, thus only achieved an energy consumption of about **five kilowatt hours**.



1980



In the 70s, a new phenomenon developed: the discotheque. With it came effect lighting, which still shapes our image of show technology today. Initially equipped with light organs and strobes, turntables and active speakers, many more lighting effects were added over time. As the number of effects increased, so of course did the energy requirements; and so in the 1980s, the first discotheques surpassed the peak values of the ballrooms of earlier years. Stage lights consumed up to two, central effects up to five and skybeams up to 18 kilowatt hours at that time. Large discos with several dance floors even reached a total consumption of over **100 kilowatt hours!**

2000

At the beginning of the 2000s, LED technology also took on an increasingly important role in the area of show technology and, thus, ensured a significant decrease in power consumption, especially in the segment of effect lighting. LEDs also enabled completely new design possibilities due to the compact size of the diodes. With the advent of SMD and later COB technology, adequate, power-saving and in some cases innovative alternatives to conventional light sources were found in all segments of show lighting. Stage and theater spotlights, some of which previously consumed 2000 watts, were replaced by COB-based models that required just 100 watts and offered not only the same luminous intensity but also many new possibilities: for example, the integration of multicolor LEDs in the same module.























2020



And today? With the current trend in energy prices and the ever-improving efficiency of LEDs (> 200 lumens per watt), most conventional lighting effects will probably be completely replaced by LED-based devices sooner or later. A discotheque completely converted to LED already manages to get below the consumption of a ballroom again.

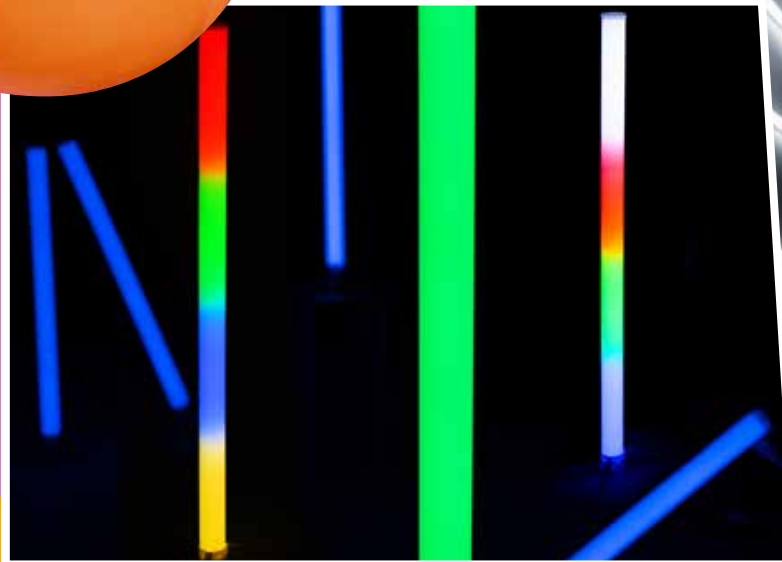
At the same time, LED strips, panels and flexible light tubes allow unprecedented freedom in the design of a club, discotheque or even an event hall. More creative freedom with less energy consumption - if that's not a win-win effect!

COMPARISON OF OLDER AND CURRENT DEVICES

Theater spots	Effect spots	Moving heads	Strobes	Spotlights
1000 W   EUROLITE Theatre Spot 1000 Fresnel	360 W   EUROLITE RFL-6 Light Module Set	900 W   FUTURELIGHT MH-860 Moving-Head Spot	1500 W   EUROLITE Superstrobe 2700	1000 W   EUROLITE PAR-64 Spot Long with Cable
100 W   EUROLITE LED THA-100F MK3 Theater-Spot	30 W   EUROLITE LED KLS-120 Compact Light Set	285 W   FUTURELIGHT DMH-160 MK2 LED Moving Head	175 W   EUROLITE LED Strobe SMD PRO 864 DMX RGB	100 W   EUROLITE LED PAR-64 COB 3000K 100W Zoom

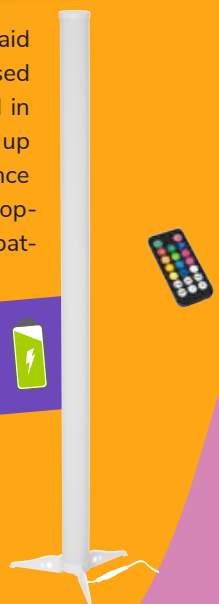
GET THE PARTY STARTED!

With the new **PARTY-TUBES** from EUROLITE nothing stands in the way of a spontaneous party.



Both tubes are just under one meter long and can either be laid down, attached to a wall with clips or set up with the enclosed feet. The pleasantly soft light of the Party Tubes is emitted in a range of 300°. An IR remote control can be used to call up 12 colored moods as well as ten programs, and the sequence speed and brightness can be adjusted. The wired version is operated via an included power supply at a normal socket, the battery version can be used wirelessly for up to eight hours.

ALSO AVAILABLE AS BATTERY VERSION



EUROLITE Softbag
for 6x LED Party Tube IR

EUROLITE LED Party Tube IR

LED color tube with IR remote control also available as battery version

These two **BEAM EFFECTS WITH RETRO FLAIR** are based on eight colors that they can produce simultaneously.

AVAILABLE NOW!



EUROLITE LED D-4000
Beam Effect

Extremely bright derby
with 3 W LED in 8 colors



EUROLITE LED Z-4000
Beam Effect

Extremely bright derby
with 3 W LED in 8 colors

The beams travel through the room in red, green, blue, white, amber, cyan, pink and yellow. That's about as "colorful" as it gets. However, the two modern effects can also be used discreetly in one or two colors if desired; there are no limits to creativity. They also generate a decent amount of light: each color is produced by a very effective three watt LED.



EUROLITE LED DMF-5 Hybrid Flower Effect

Effect spotlight with flower and blacklight
effect, incl. IR remote control

Two in one: **BEAMS AND UV**

The EUROLITE DMF-5 Hybrid is a basic effect spotlight with two functions. The first effect is formed by two small transparent "disco balls" that refract the light into many beams, which creates a nice effect especially in fog. This effect can create six different colors, which can be used individually or together to provide different atmospheres. The second effect is formed by eight black light LEDs, which make fluorescent materials glow in the room. Control is done either via the spotlight menu, the included remote control or via DMX signal. Power is supplied via an included IEC cable and can be looped through to additional spotlights via optional IEC extensions. The DMX signal is either connected via 3-pin DMX sockets or can be sent wirelessly to the spotlight. For this purpose, there is a special USB socket for which there are corresponding DMX radio receivers.





A new addition to the entry-level class is the **LED PARTY SPOT COB**



**EUROLITE
LED PARTY Spot COB**

Compact spotlight with DMX control and one 15 W COB LED in RGB

It has a 15 watt COB LED that sits centrally in the spotlight and distributes its light via a reflector. A nice alternative to the usual LED optics, where many individual LEDs can be seen. The PARTY Spot COB has RGB color mixing, which can be used to create many different color moods. It can be operated via the display, adjusted via a supplied remote control or controlled via DMX. The DMX signal can be supplied via cable, but there is also a USB socket for wireless DMX available.

NEW VERSION

One of EUROLITE's **MOST POPULAR LIGHTING EFFECTS**, the B-40, is now available in a new version.



New is the USB socket, which allows wireless DMX operation in seconds. For this, there are two USB wireless adapters, one based on EUROLITE's QuickDMX system, one on LumenRadio's CRMX technology.

Also new is the LED segmentation. There is now an additional, large DMX mode in which the LEDs can be controlled separately in three segments. This results in further, diverse possibilities for the play of colors. By the way, in this mode, the effect can be controlled excellently with the EUROLITE Color Chief or the app Light Captain. Compared to its predecessors, the six LED colors have remained the same for this popular effect, with which it can create countless colors and also a black light effect. The **B-40 HCL MK2** is available in black or white.

**EUROLITE LED B-40 HCL
Beam Effect MK2**

LED beam effect with RGBWA+UV color mixing, incl. remote-control



Künstler-Magazin

Fachmagazin für die Show- und Eventbranche

Jetzt die aktuelle Ausgabe online lesen unter:

www.gedu.com



Künstler-Katalog als
eKatalog lesen unter:
www.gedu.com

Tipps, Trends, News und Videos





This is how to party!



Mirror balls have been creating a party atmosphere since the 70s. Latest since the movie "Saturday Night Fever" conquered the cinema screens, they symbolize the glitter and glamour of a long party night.

The concept behind mirror balls is that the light hitting the disco ball is refracted in many directions, turning the surroundings into a sea of colorful

light reflections. This creates a magical atmosphere on the dance floor. The larger the sphere, the more light can be reflected from the mirror facets and the more spectacular the result.

So that even large mirror balls hang crash-proof, the models from EUROLITE have a second eyelet to which a safety rope or a so-called safety chain can be attached.

EUROLITE Mirror Ball 50cm or 30cm

Safety mirror ball with second eyelet



DISCO

feeling



However, the effect of a mirror ball is only really impressive when the ball is illuminated with colored light. So-called pinspots are ideal for this purpose: they illuminate the reflective surface in a targeted manner and, thus, provide thousands of dots of light in the room. Thanks to their compact design, the small spotlights can be set up or hung without taking up much space.

The LED PST spots from EUROLITE are such pinspots. A 4in1 LED with RGBW color mixing provides these spotlights with bright colors, dimmed light as well as rapid strobe effects. The spots can be controlled in sound control or automatic mode or by music control via the integrated microphone. This turns any location into a disco in no time!



EUROLITE **LED PST-5 QCL Spot**

Narrow beam pinspot with 5 W 4in1 LED in RGBW

The adjustable bracket ensures quick and easy wall or ceiling mounting.



The unit is conveniently operated by the IR-7 remote control supplied.



EUROLITE **LED PST-10 QCL Spot**

LED pinspot with COB LED and DMX control



EUROLITE **LED PST-40 QCL Spot**

LED spotlight with RGBW color mixing, IR remote control and 2 frost filters

If you are looking for a pinspot with higher light output for professional use, you are well advised to go for more powerful models such as the PST-40 or the TCL-150 from EUROLITE.



EUROLITE **LED TCL-150 Color Changer COB**

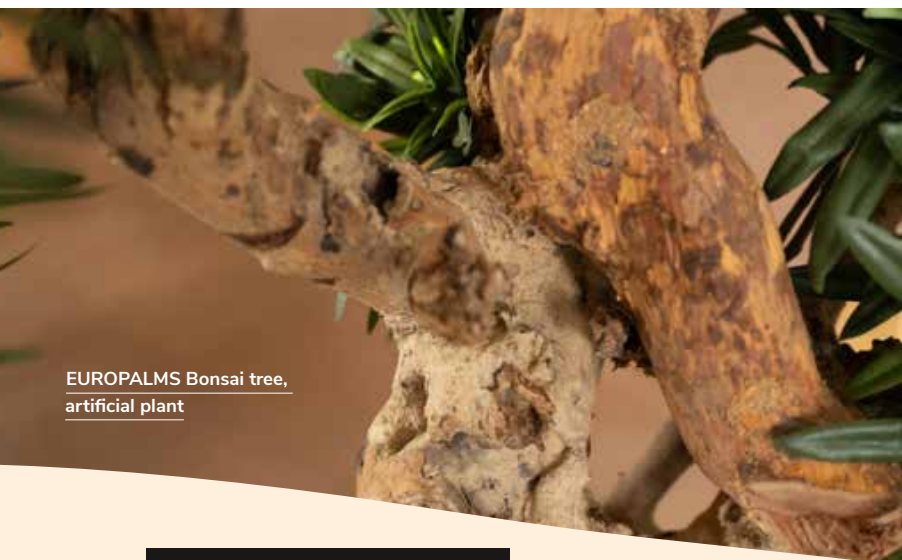
Bright LED color changer with 30 W LED, gobo and color wheel

ARTIFICIAL PLANTS

Anything but dusty!



EUROPALMS Chinese
silvergrass, artificial



EUROPALMS Bonsai tree,
artificial plant

MODERN ARTIFICIAL PLANTS: EASY-CARE DECORATION IN TREND

First of all: Fortunately, there is not much left of the dusty image which artificial flowers and plants used to be associated with. On the contrary, artificial plants are now very much in vogue. No wonder, because they open up an almost limitless variety of designs in decoration – and with minimal maintenance. To make even the last fears of contact with artificial plants disappear, let's take a look at the advantages of artificial room greening together.

WHAT MAKES MODERN ARTIFICIAL PLANTS?

In the production of modern artificial plants, nature serves as a model. Even the smallest details are therefore implemented true to nature. The best example of this are the grass perennials made of new types of plastic, which are very much in vogue for decorating hotels, offices and wellness areas: Their filigree grass leaves display natural color gradients, stalk by stalk, right up to the tips of the leaves. The processing of dried natural materials, such as moss or palm fiber material, which is mainly used in the production of artificial palm trees, also significantly supports the lifelike impression of the artificial plants. Thus, even for a trained eye, hardly any differences to the natural models can be recognized.



WHERE ARE ARTIFICIAL PLANTS USED TODAY?

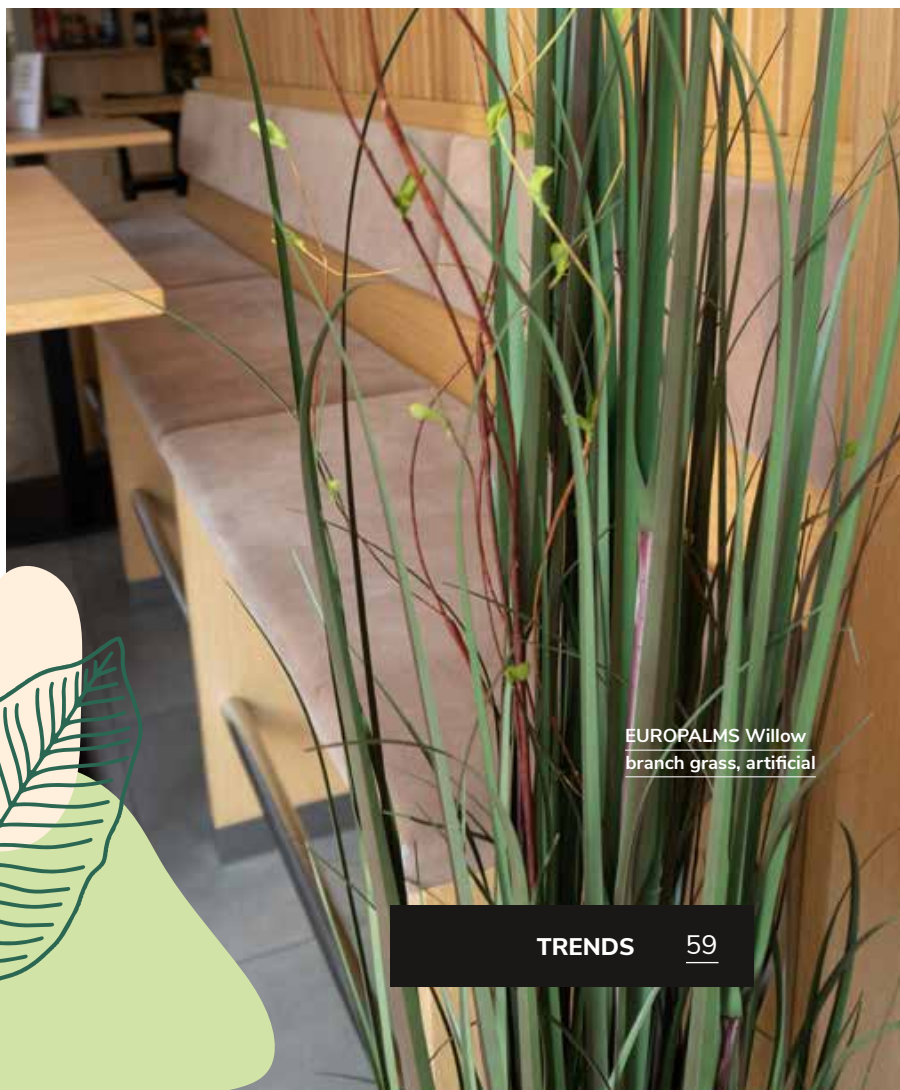
Not only in your own four walls, but also in vacation homes, hotels or restaurants, it plays a major role to make rooms beautiful for the long term. With artificial plants, room concepts and living trends can be implemented in a completely uncomplicated way. They bring low-maintenance, fresh greenery into sparse environments, provide a sense of well-being and make no demands on location, watering or light incidence. At trade fairs and exhibitions, green eye-catchers liven up the overall picture immensely and create an inviting, harmonious overall impression. And even in offices they provide a productive and pleasant working atmosphere.

DUSTY? TAKE A SHOWER!

An almost unbeatable argument for opting for artificial plant decorations when designing interiors is the amount of care required, which is not to be underestimated with real plants. With their artificial counterparts, there's no watering, no repotting, and no plucking of wilted leaves and flowers, as the only maintenance required is limited to an occasional dusting or showering of the leaves.



EUROPALMS Hop
Garland, artificial



EUROPALMS Willow
branch grass, artificial

EUROPALMS Ficus
spiral trunk, artificial
plant

EASY TO TRANSPORT

Artificial plants are usually true “lightweights” compared to real plants, since no soil or expanded clay weighs down the planting. Artificial grasses and trees are often delivered already in a plain gardener’s pot, which serves as a standing aid when placing them in a planter.



PERFECTLY “IN SHAPE”

Even without experience in decoration or a green thumb, artificial plants can be perfectly staged, because many artificial plants (grasses) fall into shape by themselves when placed. No cumbersome plucking is necessary.

THE ICING ON THE CAKE: MATCHING PLANTERS

Artificial plants look particularly stylish when presented in a matching planter. Pots made of brushed stainless steel exude timeless elegance and fit seamlessly into a variety of interior design styles.

Tip: With the “Steelecht” planters of the EUROPALMS brand, the castors on the bottom of the planter become almost invisible due to the extended bottom edge. A part of the castors is equipped with parking brakes. Thus, both a safe stand of the planters and an uncomplicated rearrangement of the room greening is possible, which is of great advantage especially in the commercial sector.



EUROPALMS
STEELECHT,
stainless steel pot

Artificial plants therefore offer some unbeatable advantages, especially for commercially used rooms. And don’t worry: Even without a green thumb, this decoration will stay fresh for more than one summer! So there is nothing more to say against, but a lot in favor of relying on high-quality artificial plants for interior design in 2023.



EVENT Rookie



Abo + Prämie

Beim „Event Rookie“ werden Produktionen jeder Größenordnung in ausführlichen Reportagen behandelt. Bei den Produkttests werden neue Geräte der Veranstaltungstechnik unter die Lupe genommen und die technischen Eigenschaften anschaulich erläutert.

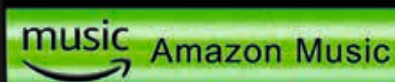


Podcast

Das Team von EVENT Rookie ist ständig auf den unterschiedlichsten Events unterwegs, führt Interviews und trifft viele bekannte Persönlichkeiten aus der Veranstaltungsbranche. In diesem Podcast berichten wir von unseren Erfahrungen und geben euch einige Hintergrundinfos aus der spannenden Welt der Veranstaltungstechnik.



Jetzt anhören



Showlicht



Sofort bestellen

Mit diesem Buch zeigen die Autoren, welche Schritte man von der ersten Idee bis zum fertigen Design durchleben muss.

„Showlicht ist ein tolles Buch, das zeigt, wie man mit Kreativität und Effizienz zu einer guten Show kommt.“ – **Jerry Appelt**



Entdecke jetzt die Medienvielfalt auf www.eventrookie.de



CREATIVE HYBRID EVENTS AS A CHALLENGE

INTERVIEW

with Alexander Kölling,
ADK Media Agency

Livestreaming has become an important pillar of the event industry over the past three years. Where “real” meeting is not possible, technology steps in and overcomes the distance. One company that specializes in streaming is ADK Medienagentur from Leipzig. Owner Alexander Kölling tells us in an interview how it came about and what the biggest challenge was for the agency:



Hello Alexander, thank you very much for the opportunity to interview you! Can you please briefly introduce yourself and your company?

Our company has developed constantly since 2006. Starting as a media production service provider, after taking over a technical service provider, we were also able to integrate the area of event technology as part of the company, which has proven to be very beneficial due to the seamless communication of the areas. Of course, presence events, i.e. congresses, conferences, company events, fashion shows, concerts and festivals etc., were initially the main day-to-day business.

How did your media agency come to specialize in streaming?

The topic of digital presentation via livestream was certainly in demand in isolated cases [even before Corona, editor's note] at customer events, but the acceptance of this was rather restrained. Like many other companies in the industry, however, we were directly affected by the restrictions of the pandemic. We supported the "Night of Light" campaign with partner companies but noticed that our industry was not really supported at first. This meant that we had to get involved ourselves.

Initially, it was certainly unfamiliar to present digital formats as an "event", but thanks to our many years of experience, where we had already realized live broadcasts for press conferences during the 2006 FIFA World Cup, we were able to quickly familiarize ourselves with the situation there, and were thus able to make ad-hoc technical plans.

You now offer streaming solutions for large events. What was the biggest challenge for you during this changeover?

Basically, the reliability of the components and the quality of the media, sound and lighting technology to be used are now important for such events. Here, the experience with professional components was in demand, and of course the ability to deliver. In some cases [during the pandemic period, editor's note] we had to wait almost a year for special video technology, and we only got certain things through "relationships" – so good contacts are still the be-all and end-all (laughs). Digital, or hybrid events, are now more and more the order of the day, in addition to the pure presence events – and I think the mixture will continue in this way and brings exciting possibilities for every customer event. Thus, we know the challenges for creativity to implement such events and what modern media means professionally for our partners.

"ALL PROJECTS NOW REQUIRE A COMBINATION OF LIGHTING, SOUND, VIDEO AND STAGE TECHNOLOGY."

Is there anything you would do differently in retrospect?

I would say "no" 90% of the time. Of course there are some things that you would optimize in retrospect, but I think that our employees and partners worked very well together, and that gave us new perspectives on work-

flows. The time of the "handbrake" [the pandemic, editor's note] was certainly also a time to pause and also reassess business processes.

Which event has been the most exciting so far that you have supported with your technology?

Actually, there have been many exciting projects. From the digital-interactive Christmas party of a major corporation, sports broadcast formats with live transmissions from the track, to international internet governance events, which we were first entrusted to realize from Italy, then this year from Finland and next year from Portugal. All projects now require a combination of lighting, sound, video and stage technology. This means that we have to coordinate many different teams, which makes it very exciting every time and never boring.

From your point of view, what is important when implementing a livestream? What is often underestimated?

I think it's most comparable to TV formats. The viewer has to be entertained. Sound and picture should be adapted for the final formats, though. After all, a large part of the audience obviously watches the streams on digital devices such as cell phones or tablets. Accordingly, the content should also be adapted so that one can still recognize something, of course, especially in presentations. Furthermore, redundancy, i.e. fail-safety, is an important topic, both in the area of the Internet connection and the main components as well as the power supply via UPS, for example.



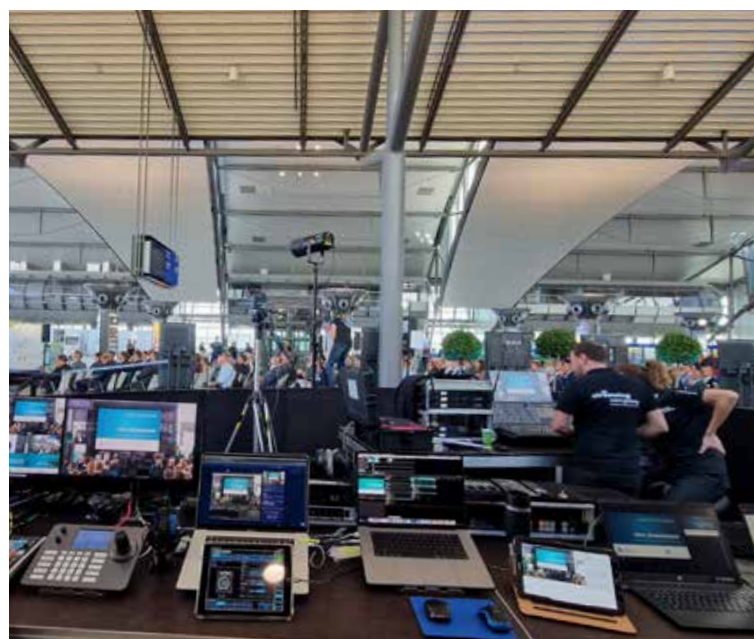
To what extent does classic event technology (lighting, sound, stage, etc.) play a role in your projects?

As already mentioned, it is now a close interaction of all components. Flicker-free lighting is just as important as the clear intelligibility of speakers. Professional equipment is essential here. That's why we have been working with Steinigke Showtechnic technology for years in many areas and are also in very good hands here in terms of support. You wouldn't believe how complex the topic of procurement and logistics is, but together we always found a way and that is important for professional work.

Where do you see yourself and your company in five years?

I think we are experiencing healthy and steady growth. We are growing with our clients and partners and are optimistic to continue to inspire our clients with our creativity and commitment, hence our slogan, a quote from Raymond Walden: "The creativity in enthusiasm can only be generated by the enthusiastic."

Alex, thank you very much for this interview and the insight into your exciting working world! We wish you all the best for the future and much success with all your future projects.



CHRISTMAS CAROL SINGING // BAD FRANKENHAUSEN



EUROLITE AKKU IP PAR 14 HCL QuickDMX

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



On 12.21.2022, a public Christmas carol singing event took place on the market square in Bad Frankenhausen. During the three-hour event on the market square, pupils from the local school performed Christmas carols for over an hour. Afterwards, the evening ended with music by DJs. The traders in the "Kräme" (Bad Frankenhausen's shopping arcade) also invited shoppers. To create a Christmas atmosphere, **Licht Produktiv** from Bad Frankenhausen illuminated the arcade with 50 EUROLITE AKKU IP PAR 14 HCL QuickDMX.





Dancing in seventh heaven

The use of artificial fog at weddings

Even the ancient Greeks knew that artificial fog creates a special mood: Depending on density and position, fog has a mysterious, eerie or even romantic effect on the viewer. In any case, the atmosphere created in this way is special. Therefore, it is only understandable that wedding couples

increasingly often plan on using fog effects for “their day”. We take a look at what options are available for this and how a fog effect can push the mood to its peak during the wedding day.



Wedding pictures in a romantic atmosphere



The use of a fog machine can provide that certain something for fancy wedding photos and make for unique pictures. This is because fog not only “veils” people, landscapes and objects, but specifically directs the gaze of a viewer. In this case, a light haze makes the background disappear, while, for example, the bride and groom appear in the foreground of the picture. The scene appears mysterious and romantic at the same time. In consultation and cooperation with the wedding photographer booked for the event, it is quite possible to provide the bridal couple with such special shots by using a hazer or fazer.



EUROLITE NH-20 Tour Fazer
Built into a robust flight case

The advantages of using a fazer for photo shootings: On the one hand, the fine haze produced by a fazer can be used to soften backgrounds, and on the other hand, it allows light rays to come into their own particularly well – this includes both natural sun rays and artificially produced, colored light. Thus, even artistically sophisticated wedding pictures can be realized.

Flying sparks without
pyrotechnics:
A highlight for every party



EUROLITE Spark Master

DMX spark effect without pyrotechnics for indoor fireworks

Romantic on cloud nine

A highlight of any wedding celebration is the first dance of the newlyweds. Ground fog, which floats in dense white clouds over the dance floor, sets the wedding couple romantically in scene and creates the impression that the couple is literally dancing on cloud nine. A ground fog machine is best used here. It works in part like a conven-

tional fogger. The fluid is heated and made to evaporate. Before discharge, the mist is cooled by a built-in cooling unit, with the aid of (dry) ice or with ultrasonic technology. The result is impressive: Since the fog is cooler than the warmer ambient air, it "billows" on the dance floor. It looks as if the couple is dancing on clouds.

TIP

The **EUROLITE NB-150 ICE** ground fogger is ideal for being used at parties where dry ice should not be used for safety reasons. With the help of a conventional fluid and ice cubes, the device generates a large amount of ground fog. Equipped with carrying handles and transport wheels, the ground fogger is quickly moved from place to place. Good to know for further festivities: The ground fog disappears without leaving almost any residue. Neither the dance floor nor the equipment of the location will be damaged by the fog.



EUROLITE NB-150 ICE Low Fog Machine

Simple floor fogger with 1500 W, remote control, ice cube cooling

Let's Party

Once the dance floor is opened, the combination of fog and light effects is more than beneficial to the mood among the wedding guests. A classic fog machine in particular makes light effects visible and, by slightly obscuring the view, ensures that inhibitions fall and the first dancers spring into action. Now the party can really start!



IMPORTANT: Clarify use beforehand

However, there are a few things to consider before using a fog machine. In the run-up to the wedding festivities, it is therefore essential to contact the person responsible (often the janitor or house technician) for the selected location. In such a preliminary discussion, it is then possible to clarify whether fog machines may be used at all in the event location and what conditions there are for their use. Here, it is particularly important to discuss the smoke detectors installed, because fog machines can trigger optical smoke detectors, since the devices bring small smoke and fog particles into the air. If nothing stands in the way of the basic use of fog machines, it makes sense to discuss other aspects regarding the operation of a fog machine, such as the best position for setting up the device.

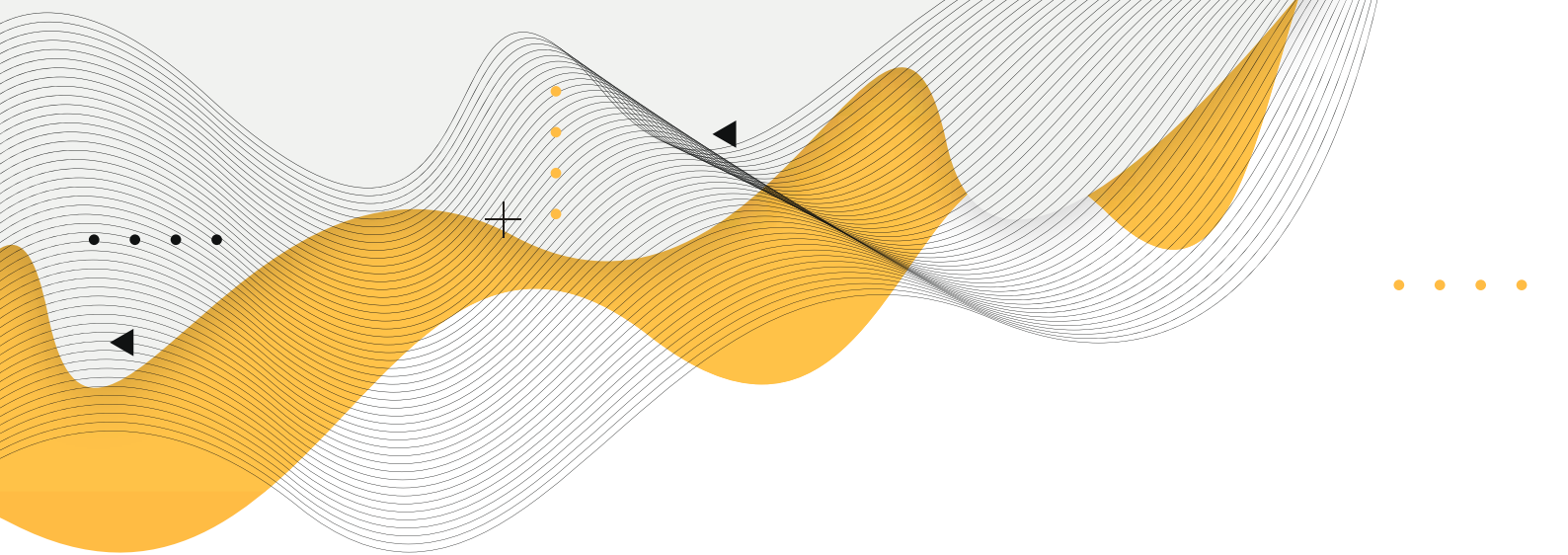
Light and compact: the **EUROLITE N-19 fog machine**. It is ideally suited for use at smaller festivities. A short warm-up time and the output range of almost 2.5 meters also speak for the compact machine. On the dance floor "the crowd goes wild", while wedding guests, who are for example talking at their seats or enjoy a small snack, are not disturbed.



EUROLITE NSF-100 LED DMX Hybrid Spray Fogger

DMX fog machine with
850 W, LED illumination,
vertical fog output

By the way: There are also alternatives for the classic fireworks as the highlight of an evening wedding celebration! So-called hybrid foggers, colorful glowing fog fountains, persuade with low safety requirements, are cheaper to purchase and more flexible in handling and transport than real pyrotechnics. Integrated into a light show or the performance of the band or DJ, they provide a real wow effect even where no fireworks can take place.



WARM, WARMER, RGB+WW!

For years, RGBW was the standard for LED configuration in show technology. With this color mixture, great, poppy mixed colors were possible, but they had a cool color cast because of the cold white LEDs. If you wanted to achieve warmer mixes, you had to fiddle around and often didn't get the desired result.



This is where EUROLITE comes in with its new LED equipment, which is already used in some new spotlights: **RGB+WW**, i.e. red, green, blue and warm white, ensure harmonious and warmly mixed colors on the one hand. On the other hand,

this equipment also enables the spotlights to produce pure warm white light.

What is this useful for? The classic front light on small and medium-sized stages is warm white. This is due to the history of light sources - for decades it was simply not possible to illuminate stages in cold white. Since man is a creature of habit, warm white light has become the standard for stage lighting.



EUROLITE LED Theatre COB 200 RGB+WW

LED theatre spot with 200 W COB LED,
RGB+WW

EUROLITE LED Theatre COB 100 RGB+WW

LED theatre spot with 100 W COB LED,

So if you're looking for a spotlight that can produce both colorful light and usable white light, RGB+WW spotlights are a great choice.



In fact, in many RGB+WW spotlights, such as the **Theatre-100 & -200**, **TMH-W400** and **PLL-384**, the warm white light is extremely good. The **CRI value**, which indicates how high the quality of the white light is, reaches an excellent **CRI of over 90** in these, so they can meet professional demands and still produce colorful light as well. Should the need for cold white light arise at some point, the white light can be “cooled down” with the help of the blue LEDs.



EUROLITE LED TMH-W400

Moving Head Wash Zoom

Bright washlight with 400 W COB LED and motorized zoom



EUROLITE LED PLL-384 RGB/WW Panel

DMX-controlled surface light with RGB/WW color mixing, QuickDMX port, frost filter and barn doors



NEWCOMERS WITH RGB+WW:



EUROLITE LED CLS-18 QCL RGB/WW 18x7W

LED floodlight with RGB/WW color mixing, barn doors, IR remote control and frost filter



EUROLITE LED CLS-9 QCL RGB/WW 9x7W

LED floodlight with RGB/WW color mixing, barn doors, IR remote control and frost filter

New edition

EUROLITE's popular CLS fixtures are entering a new round: as compact fixtures, they are popular for mobile use, in installations, and on larger stages. Now **EUROLITE** introduces a new version of **CLS-9 and CLS-18**.

What has changed here compared to the previous spots? The most important change concerns the LED colors. The spotlights are again equipped with **four-color red, green, blue and white LEDs, but the white is now a warm white**. This allows the user to create a good warm white in addition to countless mixed colors. The CLS-9 is equipped with nine of these high-power LEDs, the CLS-18 with 18 LEDs. The small version is designed without a fan, so that it can also be used in noise-sensitive environments.

Some changes have been made to the connections: **The power connection is now made via P-Con sockets, which are available as input and output.** So several spotlights can be easily connected in series. The **DMX connections** are now **3-pin and 5-pin** and there is the **USB socket to equip the spotlight with wireless DMX.** For control, the spotlight has five different DMX modes. Also new is a **frosted cover**. Without this, the light has a **beam angle of about 11°, with it, it becomes softer and radiates with 18°.**

What has remained is the popular bracket, which allows operation in both standing and hanging positions. An optional bracket is also available, specifically designed for mounting on a lighting stand, so you can tilt the device way down. The CLS units both feature barn doors that provide good transport protection as well as help prevent side glare.

Ideal for small and medium stages:

The new spotlights of the Silent Slim PAR series from EUROLITE bring the best features for lighting small and medium-sized theater and show stages: RGB+WW color mixing meets fanless design and powerful light output.

Externally, the new spots come unobtrusively either in white or black housing.



EUROLITE LED Silent Par 6 QCL Floor black

LED floor spot with RGB/WW color mixing



EUROLITE LED Silent Par 6 QCL Floor white

LED floor spot with RGB/WW color mixing

...

 **LEaT Jobs**
Der Stellenmarkt der Entertainment Industrie

ES GEHT NICHT UM EINEN JOB. ES GEHT UM DEINEN JOB!

**JETZT
TRAUMJOB
FINDEN!**



jobs.leadcon.com

PERFECT WHITE THANKS TO RGBL



There is something new in the THA series from EUROLITE:

The spotlight has a stepped lens and is equipped with a bright 450 watt LED. Its color mixture is based on the colors red, green, blue and lemon. The broadband light of the lemon color closes the large gap between red and green. This enables the spotlight to produce white tones in all color temperatures with a high color rendering index. The color mixing is absolutely homogeneous and in the larger DMX modes the colors and brightnesses can also be controlled in high-resolution 16 bit. The dimmer frequency can also be adjusted so that the spotlight works flicker-free during filming.



EUROLITE LED THA-450F

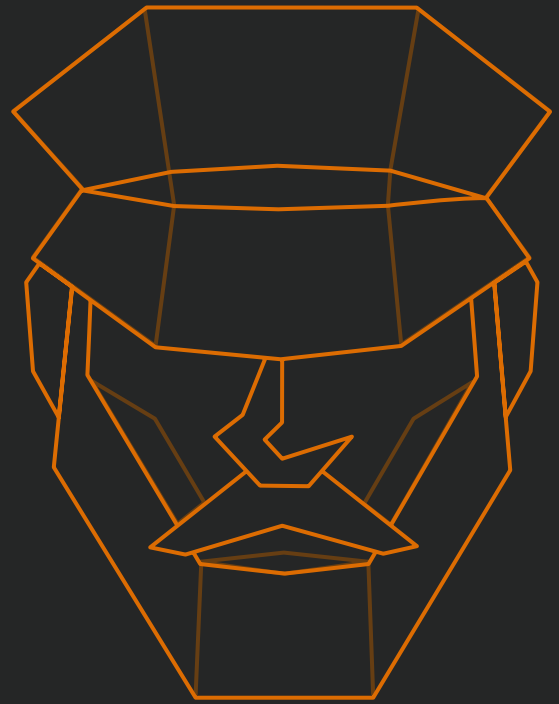
But the spotlight can convince not only with high CRI values and harmonious color mixes: with its beam angle, it covers a very wide range from 5° to 50°. The zoom for the beam angle is motorized, so it can also be adjusted from the console. The spot is additionally suitable for noise-sensitive environments, its fan is temperature-controlled and there is also a whisper mode.

For control, the spotlight has 3-pin and 5-pin DMX connectors and also a special USB socket. A DMX wireless receiver can be plugged into this, which is available in both the version for the EUROLITE QuickDMX system and the Wireless Solution/LumenRadio systems. The power is connected via P-Con and can also be looped through to other devices.



EUROLITE LED THA-450F Theater-Spot

Fresnel spotlight (fresnel lens), 440 W RGBL LED, quiet, DMX



GOOD TO KNOW:

News about the EUROLITE “Light Captain” app

Use with a cable

The Light Captain app can also be used in a wired manner if required: You therefore need the EUROLITE DXT PoE Art-Net Node I and a standard USB Ethernet adapter for your tablet or iPad. Wired operation is ideal for applications where absolute transmission security is required. Of course, Light Captain can also be switched between the two options. For example, you can use the wireless version to be mobile and position your spotlights from the stage, or to judge the scene from the audience area. During the show, the lighting control will then use the wired version to ensure a safe run.



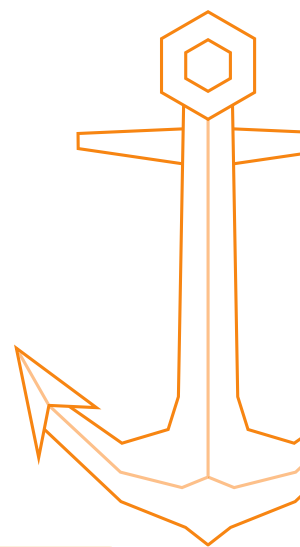
Theater mode

Long awaited: With the Theater Mode, the Light Captain now offers another way to control lighting. While the previously available option of controlling via chases was more for use at parties and spontaneous operation, the Theater Mode is ideal for creating fully programmed shows. In this mode, you can create six scenes. Each scene can consist of

more than a hundred cues. Using the Go button, you can switch to the next cue in Theater Mode; for each individual transition, you can set an individual transition time for color and dimmer values as well as for positions.

Two scenes can be active at the same time, with an individual brightness control available for each. In addition, three

so-called moods can be used, which are independent of the actual show. They are excellent for calling up the hall light, a haze machine or the front light at any time.



Download on the
App Store



GET IT ON
Google Play



The leap into the deep end:

Starting out self-employed as an event technician



In the event industry, more often than in almost any other sector, you will find self-employed people working on their own account for various companies and event organizers. The model of “freelancers” ranges from trained event technicians and master craftsmen, who are responsible not only for set-up and dismantling but also for the technology during the event itself, to riggers and lighting technicians, to sound engineers who work freelance as sound technicians for concerts. But at the beginning of self-employment, there are always the same questions and challenges you must fight through. Together with you, we will take a look at the most important points for working as a self-employed event technician in Germany.

Freelance work or commercial business?

In Germany, there are two types of self-employment that are treated differently under tax law: Freelance work and commercial business.

The freelancer has the advantage that he does not have to pay trade tax and that a simple income statement is sufficient for the annual tax return, regardless of the amount of income. In contrast, the businessman must pay trade tax if his profit exceeds €24,500 (as of December 2022); if his profit exceeds €60,000, he is required to file a balance sheet. As a freelancer, you must inform the tax office of the start of your activity in an informal letter - business people, on the other hand, must officially register their business using the appropriate forms.

However, you cannot simply decide for yourself whether you are pursuing a business or a freelance activity: Freelancing is regulated by law. According to §18 EstG, a freelancer is someone who carries out a “scientific, artistic, literary, teaching or educational activity independently” and in doing so “acts in a managing and autonomous manner on the basis of his or her own specialist knowledge”. To better delineate what falls under the liberal professions, there is a catalog that can be viewed online. If one’s own job does not or not entirely fall under the “catalog professions”, it is better to register a commercial business: If the tax office notices after a few years that you have wrongly classified yourself as a freelancer, this can result in high additional tax payments.

In our industry, the question of freelancing is not entirely clear-cut. While the profession of sound technician belongs to the catalog professions, the event technician who, for example, supervises the set-up and dismantling or the technical execution of events is not a freelancer. The decisive factor here is the test criterion of “artistic activity”. In case of doubt, this question can be clarified directly with the responsible tax office.

Business registration and tax

If you have decided to register a business, you will receive a tax number from the tax office and are thus self-employed. From now on, it is also necessary to file an income tax declaration every year, which shows exactly how much prof-

Overview: Here's what you need to think about when starting your own business!

- Freelance work or commercial business? Both have to be registered.
- Correct invoicing with consecutive invoice number
- Tax declaration
- Compulsory insurances and useful supplements
- Old-age provision

it the self-employment has brought in and how much tax, therefore, has to be paid. In the case of a trade where the annual turnover remains below €600,000 and the profit below €60,000 (as of December 2022), an income statement as an attachment to the tax return is sufficient for this purpose.

Usually, you start your self-employment with a so-called small business – this is the case if you make less than €22,000 turnover in one year. Thanks to the so-called small business regulation, you are not required to include sales tax in your invoices and do not have to pay it to the tax office.

Important: If an invoice does not contain a VAT statement due to the small business regulation, this must be indicated and clearly visible. In addition, the full name and address of the self-employed person and the invoice recipient, the tax number or VAT identification number of the business person, the invoice date, a consecutive invoice number, the type and scope of the service and the date of service must be included on every invoice.

Insurances

Insurances are often a tiresome topic, in which one quickly loses the overview. However, depending on the size of the business, various insurances are mandatory, sensible or recommendable.

In Germany, health and long-term care insurance is mandatory and required by law for all self-employed persons who work full-time and therefore do not have health insurance through an employer. You can choose whether you want to take out voluntary public health insurance or prefer private health insurance. Both have advantages and disadvantages. However, once you have decided to switch to private health insurance, it is not easy to return to public health insurance. While having public health insurance automatically includes long-term care insurance, if one chooses private health insurance, one must additionally cover oneself with private long-term care insurance.

Business liability insurance falls into the “very sensible” category: it protects the self-employed against damage to property or people that occurs during the course of their work. After all, it happens quickly: someone falls from a poorly bolted stage element and breaks their leg; in an inattentive moment, someone spills coffee and damages the lighting console. Business liability insurance protects against the financial damage caused by such mishaps. It makes sense to take out this insurance at the beginning of your self-employment. Often, potential clients require such insurance as a prerequisite for a contract.

Even if you don't wish it on anyone and work as safely as possible: accidents are not uncommon and can have nasty consequences, especially if they happen when handling heavy technology or trussing. Company accident insurance protects the self-employed and their employees from the financial consequences of such an accident.

Anyone who acquires their own pool of technical equipment during self-employment may want to consider electronics insurance for the equipment. Especially in event technology, equipment worth several thousand euros quickly accumulates in the warehouse. An electronics insurance helps where the sensitive technology is damaged, for example, by theft, vandalism or even operating errors. Often, this insurance also reimburses the rental fee if, for one of the aforementioned reasons, technology no longer functions and a replacement therefore needs to be borrowed quickly. What exactly the insurance covers varies from provider to provider. A comparison is worthwhile!

Finally, legal protection insurance is also worth considering for every self-employed person. Especially for technicians who take on responsibility at larger events and are involved in various contractual relationships, legal protection insurance can make sense. After all, if a dispute goes to court, the costs can quickly run into the thousands. Legal protection insurance is also a good investment if your company is growing and serves many different clients.



Retirement provision

Finally, we take a look at a topic that is often overlooked, especially at the beginning of self-employment: Pension provision. As a self-employed technician, you are not legally required to take out a pension plan. But especially those who work physically hard in the event industry – riggers, for example – need financial security for the times when they can no longer pursue this profession.

One way to provide for retirement is through a private pension plan, where you pay in a certain amount each month and then receive either a one-time payout or monthly pension payments when you retire. In contrast to the statutory pension insurance, here you determine yourself how high the contributions should be – the payouts are then of course correspondingly higher or lower than the statutory pension that you would receive as an employee with the same number of years of work.

As an alternative to pension insurance, you can obtain information from your bank about investment opportunities that will yield returns later on – when you can no longer pursue your profession as a self-employed person – and thus secure your standard of living.

Another form of retirement provision for event technicians is a disability insurance. It is correctly called “occupational disability insurance with incapacity clause”. On the one hand, this insurance fills the financial gap that arises for the self-employed person in the event of temporary incapacity to work, for example in the event of a sprained ankle. On the other hand, it protects against financial loss in the event of permanent occupational disability – i.e. if you are permanently unable to perform your job due to physical or mental limitations.

Regardless of which path you choose: It is important to be aware that when you are self-employed, you are also responsible for your own security in old age.

Advantages of the German small business regulation

- The biggest advantage of the small business regulation is probably that no monthly advance sales tax return has to be submitted – this saves a lot of time and means less effort.
- No advance sales tax return: This reduces the bureaucratic effort enormously
- End consumers can be offered lower prices; this can be a competitive advantage.

Disadvantages of the German small business regulation

- As a small business owner, VAT cannot be claimed as a deduction for your own purchases. Especially when high investments are involved, sales tax cannot be deducted from the invoice total. The procurement of equipment and working material is thus more expensive.
- You have to check annually whether you are still covered by the small business regulation and, if necessary, pay tax in arrears.



MADRIX

Training

New Courses In 2023

In-House — Online — German — English
LED Lighting Control With MADRIX 5

www.madrix.com



OMNITRONIC MIC SHC-2 Gooseneck Microphone

Electret gooseneck microphone



OMNITRONIC ODP-206 Installation Speaker 16 ohms white 2x

2 weatherproof 6" wall speakers with mount, 80 W RMS

PROTESTANT PARISH // HÖCHBERG

The Protestant parish of St. Matthew in Höchberg has renewed the sound system in its parish hall over the past two years. To ensure that speech and music recordings are equally well received by visitors to the church services, the congregation opted for installation loudspeakers and mixing amplifiers from OMNITRONIC and a radio microphone system from RELACART. With their discreet design, the wall-mounted speakers blend unobtrusively into the surroundings and provide good sound without distracting the eye.



RELACART WAM-402 4CH Digital UHF Automatic Mixer

Digital UHF automatic mixer with DSP for up to 4 microphones



EUROLITE Distributor R19-8 1U bk 2.7m

Attachable power distributor



OMNITRONIC EM-312 Entertainment Mixer

Microphone line mixer, 6 mono channels + 3 stereo channels



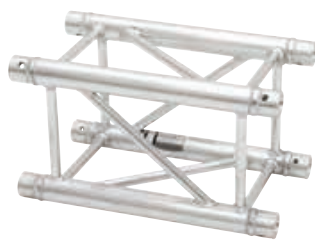
OMNITRONIC MPVZ-350.6 PA mixing Amplifier

6-zone PA mono mixing amplifier, 350 W, zones switchable



ROADINGER Steel Rack SR-19, 10U

Powder-coated steel rack, ideal for permanent installations



ALUTRUSS TOWERTRUSS TQTR 4-Way Cross Beam

4-point tower cross beam



FUTURELIGHT PRO Slim PAR-12 MK2 HCL

Flat PRO LED spotlight with 12 x 10 W 6in1 LED (RGBWA+UV) without fan



EUROLITE LED SLS-12 QCL Floor

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



SALVATOR CHURCH // DUISBURG

On the occasion of the kick-off event of the Protestant church year on November 20, 2022, the Salvator Church in Duisburg was bathed in colorful light with the help of event technology. Responsible for the implementation of the colorful lighting was the company Unlimited Service from Duisburg under the direction of Werner Ginters. Against this backdrop, a lecture by Dr. Mark Benecke on the subject of "What happens after death" took place. Static LED spotlights mounted on a scaffold of 4-point trusses were used here to colorfully illuminate the high ceiling of the nave.



EUROLITE LED IP FL-10 SMD orange

Flat outdoor floodlight (IP65) with colored LEDs

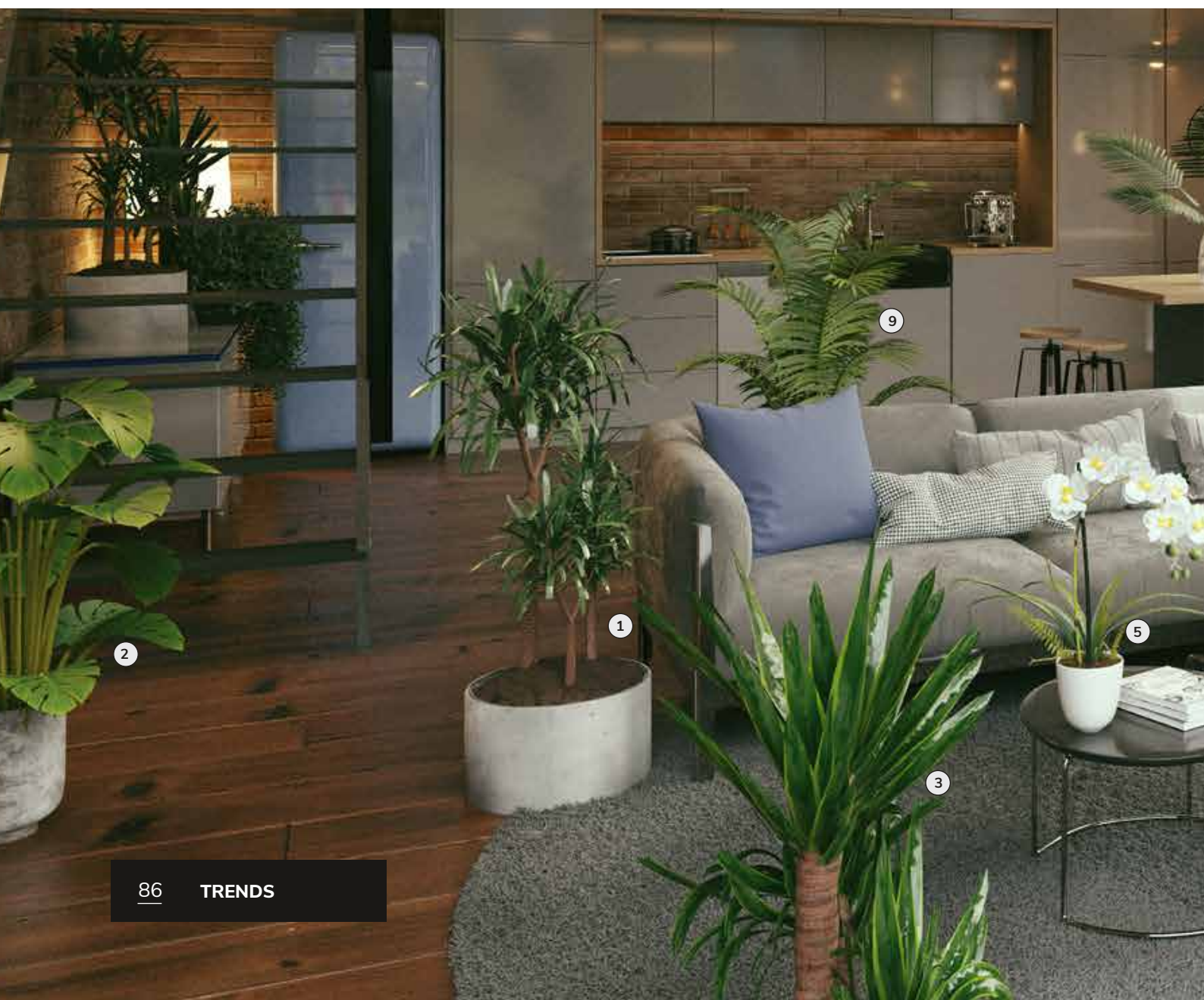


EUROLITE LED PAR-64 HCL 12x10W Floor black

PAR spot with 12 x 10 W 6in1 LED in R, G, B, A, W, UV



URBAN JUNGLE





URBAN JUNGLE: What sounds like an absolute contradiction at first, is becoming more and more accepted as a living trend. But what is an URBAN JUNGLE? We dare to look outside the box and take a closer look at the decoration trend.

An almost impenetrable thicket of high-rise buildings with concrete facades and wide, busy streets conveys the impression of a hectically pulsating big city: this scenario aptly describes the term “urban space”, which stands for the typical building structures of a big city. In contrast, we inevitably associate “Jungle” with the lush, untamed green of a rainforest.

What at first sounds like an absolute contradiction, therefore, results in a wonderful symbiosis in the URBAN JUNGLE living trend: Especially in cities, we long for places that convey peace and harmony. Since very few people in the city have a garden or a lush balcony, it is a challenge to create a green oasis of relaxation there. However, the following examples of an “Urban Jungle” concept for commercial and private areas show that it is certainly possible. Psssst: For the implementation you do not even necessarily need a green thumb! High-quality artificial plants are just as suitable as real plants for adding a touch of jungle to residential and commercial spaces.

- ① EUROPALMS Dracena bush, artificial
- ② EUROPALMS Monstera deliciosa, artificial plant
- ③ EUROPALMS Yucca palm
- ④ EUROPALMS Cycas Fern, artificial plant
- ⑤ EUROPALMS Orchid arrangement 1, artificial
- ⑥ EUROPALMS Anthurium, artificial
- ⑦ EUROPALMS Sansevieria (EVA), artificial
- ⑧ EUROPALMS Ivy garland classic, artificial
- ⑨ EUROPALMS Kentia palm tree, artificial plant
- ⑩ EUROPALMS Dieffenbachia, artificial
- ⑪ EUROPALMS Holland ivy bush tendril premium, artificial



CALIENTES		TÉS	
Capuccino	2.50	Chai	2.50
Café con leche	2.00	Chai con leche	2.50
Café solo	1.50	Chai con leche y miel	3.00
Café solo con leche	2.00	Chai con leche y miel y canela	3.50
Café solo con leche y miel	2.50	Chai con leche y miel y canela y cardamomo	4.00
Café solo con leche y miel y canela	3.00	Chai con leche y miel y canela y cardamomo y jengibre	4.50
Café solo con leche y miel y canela y cardamomo	3.50	Chai con leche y miel y canela y cardamomo y jengibre y vainilla	5.00
Café solo con leche y miel y canela y cardamomo y jengibre	4.00	Chai con leche y miel y canela y cardamomo y jengibre y vainilla y especias	5.50
Café solo con leche y miel y canela y cardamomo y jengibre y vainilla	4.50		
Café solo con leche y miel y canela y cardamomo y jengibre y vainilla y especias	5.00		
FRÍOS		JUGOS	
Capuccino frío	2.50	Jugo de naranja	2.50
Café con leche frío	2.00	Jugo de manzana	2.50
Café solo frío	1.50	Jugo de uva	2.50
Café solo con leche frío	2.00	Jugo de piña	2.50
Café solo con leche y miel frío	2.50	Jugo de melón	2.50
Café solo con leche y miel y canela frío	3.00	Jugo de sandía	2.50
Café solo con leche y miel y canela y cardamomo frío	3.50	Jugo de pepino	2.50
Café solo con leche y miel y canela y cardamomo y jengibre frío	4.00	Jugo de kiwi	2.50
Café solo con leche y miel y canela y cardamomo y jengibre y vainilla frío	4.50	Jugo de mango	2.50
Café solo con leche y miel y canela y cardamomo y jengibre y vainilla y especias frío	5.00	Jugo de papaya	2.50
		Jugo de melocotón	2.50
		Jugo de fresa	2.50
		Jugo de arándano	2.50
		Jugo de limón	2.50
		Jugo de lima	2.50
		Jugo de naranja con limón	2.50
		Jugo de naranja con limón y miel	3.00
		Jugo de naranja con limón y miel y canela	3.50
		Jugo de naranja con limón y miel y canela y cardamomo	4.00
		Jugo de naranja con limón y miel y canela y cardamomo y jengibre	4.50
		Jugo de naranja con limón y miel y canela y cardamomo y jengibre y vainilla	5.00
		Jugo de naranja con limón y miel y canela y cardamomo y jengibre y vainilla y especias	5.50

URBAN JUNGLE IN RESTAURANTS

Monstera deliciosa meets good coffee. Take a break from the hectic work-day with a good coffee or for a snack during the lunch break in a relaxed, green environment.

In cafés and restaurants, decorative greenery can be used to create a lively, airy and relaxing atmosphere. This invites guests to take a breather and linger. Of course, just like in the real

jungle, there can be a bit more GREEN. A combination of hanging and climbing plants is particularly suitable for the catering trade, because in this way, despite the hectic activity of the staff, neither walkways are blocked nor work processes obstructed. For bare and dark corners, slender, half-height green plants are the ideal choice. Artificial plants clearly show off their advantages here: Unlike their real-life

counterparts, artificial room greenery doesn't need to take light conditions or drafts into account. Even a quick redecoration for events is no problem for the artificial versions – they always look fresh.

Maintenance is limited to occasional dusting or washing. So you can concentrate completely on the guests: an almost unbeatable argument for the hospitality industry!





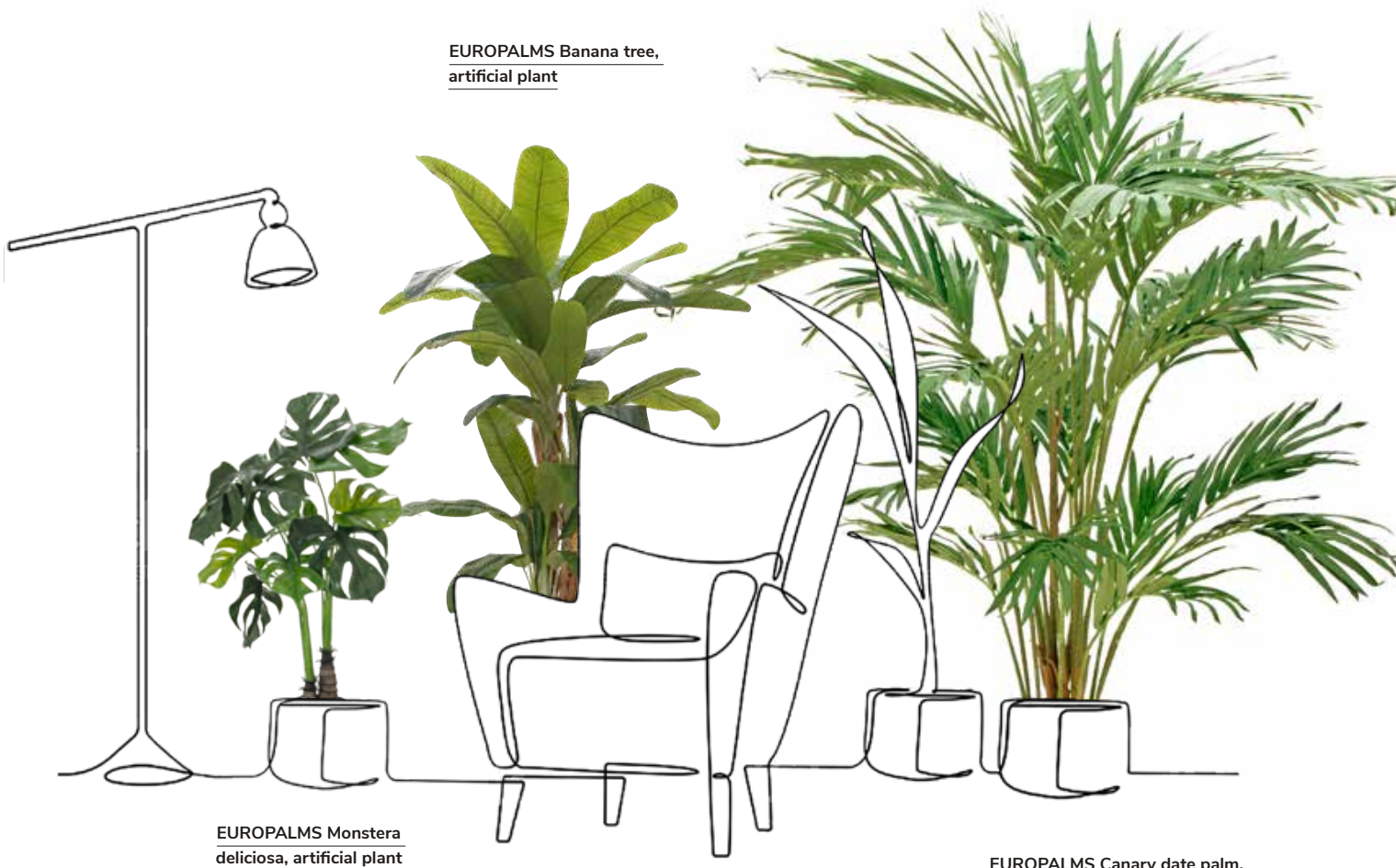
URBAN JUNGLE HOME

GREEN sets the tone here! With the help of a wide variety of artificial green plants, the perfect jungle feeling can also be brought into your own four walls. Vertical planting systems and hanging plants in conjunction with potted plants placed on the floor create an ideal mix visually and can be im-

plemented even in the smallest space. In addition, strelitzie, rubber tree & Co. get style-conscious support from pictures, cushions, blankets and wallpaper with floral prints. There are no limits to creativity here, because URBAN JUNGLE can be much more than “just” plants!

Those who want the relaxing effect of a green look, but do not have the appropriate talent for natural plants, can also resort to artificial decoration in private rooms. This way, even in the middle of the big city, you can create your own green oasis where you can relax and recharge your batteries.

EUROPALMS Banana tree,
artificial plant



EUROPALMS Monstera
deliciosa, artificial plant

EUROPALMS Canary date palm,
artificial plant

URBAN JUNGLE PLANT MIX



Small plants

Small plants find their place of application mostly as table or counter decoration and thereby bring green accents into commercial or privately used rooms in no time at all. Small visual “gaps”, for example on shelves, can also be hidden well with the smallest representatives of their species.



Hanging plants

Hanging plants are particularly suitable for incorporation into plant hanging baskets or shelf systems. They bring vertical elements to the decoration, creating the impression of a real jungle.



Large plants

Large plants are the eye candy of any room greenery. Their eye-catching green surfaces offer real islands of calm to the eyes. In addition, barren corners, visually rather detrimental to the overall picture, can be hidden behind large plants.



Garlands

Garlands are the true all-rounders in room greening. They are flexible and can be easily integrated into any room concept. Whether artfully looped around a hanging lamp or draped around a column, used horizontally or vertically: Green garlands bring a jungle feeling to any room in no time.

MIX IT!

No modesty: With the “Urban Jungle” concept, it’s okay to have a little more, because the living trend only really comes into its own with greenery in abundance, with plants in a wide variety of sizes and leaf structures.

INSPIRATION WHEN & WHERE YOU WANT

for all Producers, DJs & Musicians



12 MAGAZINES + 2 WORKZONE ISSUES FOR 83.88 EURO / YEAR

KEEP YOUR PLUGIN LICENSES FOREVER

ACCESS ALL BACK ISSUES

GET OVER 800 GB OF INSTRUMENTS & SOUNDS



Want it?
Get your subscription here:
www.plugins-samples.com



Quiz:

WHICH ONE IT IS?

DID YOU PAY ATTENTION? ON THIS DOUBLE-PAGE, YOU'LL FIND **SEVEN** OF OUR PRODUCTS FEATURED IN THIS ISSUE. CAN YOU GUESS THEM ALL **WITHOUT** A SECOND LOOK?



A



B



C



D



E



F



G

A: LED TMH-S60 Moving Head Spot | B: BDT-5.0 Bluetooth 5.0 Transceiver | C: ALP-6A Active Speaker Set | D: KEY-2816 MIDI Controller | E: DMB-100 LED Moving Head
F: LED Mega Strobe 768 Bar | G: LED CAT-80 Beam Effect

CLEAR SOUND

Diversity technology for high quality
S/N ratio >100 dB

FLEXIBLE

Sender and receiver are also available separately

PERFORMANCE

Wireless system with extremely low latency

PM-320 IN-EAR SYSTEM

626-668 MHz

A wireless in-ear monitoring system with superior sound quality for live musicians, actors or interpreters. Diversity technology guarantees the highest level of security and avoids interference and dropouts. The system can be operated in mono or stereo. It offers a reach of up to 100 meters. Weighing just 100 grams, the bodypack receiver offers the greatest possible wearing comfort.





Ignite your passion

It's time to light up

The power of light calls on artists and designers to create a spectacle of pure emotion. From the thrill of bright light effects to the captivating feeling of the shadowed silhouette, it all begins with the right light. It's time to light up the show!

osram.com/entertainment

amun OSRAM



Imprint

Publisher:

Steinigke Showtechnic GmbH
Andreas-Bauer-Straße 5
97297 Waldbüttelbrunn
Germany
info@steinigke.de

Managing director:

Matthias Schwab

Responsible for content and advertisements:

Anja Metz, marketing@steinigke.de

Print:

AKONTEXT s.r.o.

Editor in chief:

Anja Metz

Editors:

Anja Metz, Andreas Zöllner, Simon Alsheimer,
Petra Spanheimer, Lena Klinkenberg, Boris
Schneider

Art director:

Daniel Bergauer

Graphic:

Tatjana Franz, Nadine Page,
Marlon Kuchenmeister, Daniel Bergauer

Project manager print:

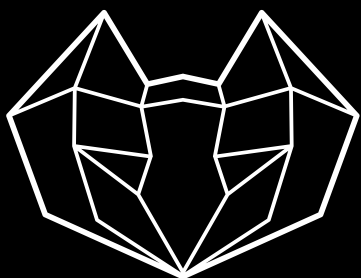
Christian Hold

Photos:

Own production, istockphoto.com,
shutterstock.com, unsplash.com, pexels.com,
pixabay.de, freepik.com

The content pages of this MOVE magazine were printed on environmentally friendly recycled paper.

Availability, technical changes and errors exempted. All images similar, some symbol photos.



CAT-80

Beam effect

ALL CATS ARE GRAY BY NIGHT? NO WAY!

This saying is definitely not true for the new CAT-80 lighting effect from EUROLITE. Rather, the effect impresses with a very high brightness and a lot of variety. Its power comes from an 80-watt LED, whose high light output can literally provide bright excitement not only in the party area, but also on concert stages and other larger events.



eurolite®



Steinigke Showtechnic GmbH
Andreas-Bauer-Straße 5
97297 Waldbüttelbrunn
Deutschland

Telefon: +49 931 4061 600
info@steinigke.de
www.steinigke.de