

# AWL WORLD



EUROPE | MIDDLE EAST | AFRICA | AMERICAS



No.93 / MAY 2023

Powerful Visuals For The Thorn  
From Elation Professional

AYRTON Spotlight Underoath's  
Blind Obedience Tour

GLP impression New  
X5 Compact & X5 IP Bar

Cameo OTOS B5 & SP6

ROBE iFORTE FS

Photo @ Lumias

## The Right Time For Robe And Gibonni

ROBE



SEE MORE

# iFORTE®

OUR RELIABILITY™  
IN ALL WEATHERS

TRANSFERABLE ENGINE





# THE STADIUM TRIO

*"THE POWERHOUSE  
IS IN THE HOUSE!"*



## THE WASH BEAM FX

**PROTEUS BRUTUS™**

75000 lumens of  
cutting power!



## THE BEAM

**PROTEUS EXCALIBUR™**

Brightest IP65 full-featured beam  
fixture ever!



## THE PROFILE

**PROTEUS MAXIMUS™**

Market-proven all-purpose  
power luminaire!



PROTEUS

THE **ULTIMATE POWERHOUSE TRIO** FOR  
LONG THROW IMPACT **INDOORS** OR **OUT!**

[www.elationlighting.eu](http://www.elationlighting.eu)

**ELATION**  
PROFESSIONAL



# ZONDA 3

ready to create

Some luminaires have the power to transform the ordinary into the extraordinary.

AYRTON's latest creation is a luminaire with so many advantages... able to transition from beam to wash light with the greatest of ease. A versatile fixture with amazing, creative effects that makes you want to go even further, to dare, to experiment, to explore... The combinations are endless!

This newcomer to the ZONDA family line comes in an incredibly compact format. Its speed of movement and reduced dimensions increase its dynamic potential. And because of its size, it can be easily used in compositions with light curtains or matrices.

3 Series - Source  
**7 RGBW LED**

Lumens  
**5,200**

Zoom aperture  
**4° to 56°**

Frontal Lens  
**7 x 50 mm**

Weight  
**11.1 kg**



SCAN  
FOR  
MORE



[www.ayrton.eu](http://www.ayrton.eu)



**AYRTON**





**iFORTE<sup>®</sup>**

OUR  
**RELIABILITY**<sup>TM</sup>  
IN ALL WEATHERS

**TRANSFERABLE ENGINE**





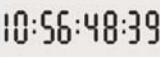

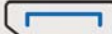















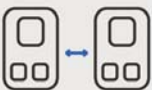
**ROBE<sup>®</sup>**



New Series  
for All kinds of Events  
**COMING SOON**

- ✓ 4K Multi-Screen Management Presentation Switcher
- ✓ Event Controller



 <b>JOINT CONTROL</b>	 <b>ONE CONTROL MULTIPLE</b>	 <b>TIMECODE</b>	 <b>HDMI 2.0</b>	 <b>DP 1.2</b>	 <b>60Hz 4:4:4 10bits</b>	 <b>MULTIVIEWER</b>
 <b>KVM</b>	 <b>PTZ</b>	 <b>ULTRA-WIDE SCREEN</b>	 <b>HDCP</b>	 <b>12G-SDI</b>	 <b>UP TO 48 INPUTS</b>	 <b>HDR</b>
 <b>PROGRAMMABLE LCD BUTTONS</b>	 <b>ENCODERS &amp; FADERS</b>	 <b>ATMOSPHERE LIGHT</b>	 <b>10km Distance</b>	 <b>UP TO 16 OUTPUTS</b>	 <b>LINK</b>	 <b>VPU</b>



# ORION

## FEATURE PACKED HYBRID LUMINAIRE



- CMY COLOR MIXING SYSTEM
- FIXED COLOR WHEEL
- 2 GOBO WHEELS
- 3 + 1 DOUBLE WHEEL PRISMS
- 2 LEVEL FROST EFFECT
- ZOOM 2° - 42°
- ANIMATION EFFECT





# The AVL Team



**Aleš Gřivač**  
CEO, AVL Network s.r.o.  
[Ales.grivac@gmail.com](mailto:Ales.grivac@gmail.com)



**Design** : C.A. Editorial Consultants

**Digital Marketing** : byte:ME

**Publisher** : C.A. Editorial Consultants



**Clarence Anthony**  
Managing Editor  
[Clarence@caeditorial.com](mailto:Clarence@caeditorial.com)



**Disclaimer:** All rights reserved. No part of this magazine or content may be reproduced or used without the written permission of the publisher: C.A. Editorial Consultants. All information contained in this magazine is for information only, and is, as far as we are aware, correct at the time of going to press. The views, ideas, comments, and opinions expressed in this publication are solely of the writers, interviewees, press agencies, and manufacturers and do not represent the views of the editor or the publisher. Whilst every care is taken to ensure the accuracy and honesty in both editorial and advertising content at press time, the publisher will not be liable for any inaccuracies or losses incurred. Readers are advised to contact manufacturers and retailers directly with regard to the price of products/services referred to in this magazine. If you submit material to us, you automatically grant C.A. Editorial Consultants a license to publish your submission in whole or in part in all editions of the magazine, including licensed editions worldwide and in any physical or digital format throughout the world.



## IMPRESSION X5

The next generation of high performance professional LED washlights



**ADVANCED ZOOM**  
3.5° beam to 60° wash  
super fast zoom mechanics



**HIGH CRI**  
natural color rendering  
CRI: 90 | TLCI: 90



**UNIQUE DESIGN**  
super quiet operation  
Baseless Design, only 13 kg



[/GLP.German.Light.Products](https://www.facebook.com/GLP.German.Light.Products) [@/GermanLightProducts](https://www.instagram.com/GermanLightProducts) [glp.de](http://www.glp.de)





## The Right Time for Robe and Gibboni

**Croatian singer-songwriter, composer and legend Gibboni played two major arena concerts in Zagreb that sold out in minutes, with over 40,000 fans flocking to see the showman where they were treated to a spectacular stage and lighting design by Sven Kučinić involving 140 Robe moving lights and plenty of imagination!**

A series of scenic set pieces was designed by Neven Stojakovic based on the theme of clocks – an idea from Gibboni himself – and time, loosely related to and translated from the title of the last album. Using these as references, Sven added the trussing and lighting, and in collaboration with Neven, developed the shapes and placement of the fragmented LED screens.

For these shows and the subsequent tour, he wanted the lighting to have a more theatrical and dramatic feel and be closer stylistically to a musical theatre performance than a pop show.

He created five inverted T-shaped pendulum-like trusses hanging down from the roof to get lighting positions spread out at different levels, with five different sized and shaped ‘fragmented’ LED screens, part flown, and part ground supported, filling in the lower half of the upstage wall behind the set.

The lighting supplier, Promologistika, is one of Croatia’s leading and biggest rental and production companies, which has a large Robe inventory that Sven was happy to use as Robe is one of his go-to moving light brands.

He was especially excited to be using 24 brand new FORTES which arrived just in time for Promologistika to get on the gig, together with 24 new Spiders which were delivered at the same time via Robe’s Croatian distributor, LAV Studio.

Sven positioned the FORTES on the over-stage trusses where they were primarily used as FX spots. While they didn’t physically move much, they were a key visual ingredient of the show and Sven made full use of their power. “They were perfect for animating the clock set pieces down below,” he declared. FORTES were also used to project gobos onto the backdrop which brought extra depth and width to the stage, and they were key fixtures in what Sven was determined to keep as a straightforward design – for the practicalities of getting in and out expediently – but also one that was required to do a complex job!

Twenty-four of the 40 x MegaPointes were rigged on four of the pendulum cross bars with the rest on the floor, so they were spread out for those stunning beam effects. As you would expect, they were the main effects lights of the show, and they worked all the time to create the numerous big, bold looks that matched and contrasted with the video content and characterised the performance.





The central pendulum bar was populated by six Spiiders. Sven had been bugging Promologistika to buy these fixtures particularly since last year's Fusion World Music Festival, and he was delighted when they did! The other 12 were positioned along the main front truss in the roof, trimmed at 19 metres. On full zoom they covered the stage and set effortlessly in high quality colour. Sven, known for thinking out-of-the-box, likes using Spiiders for front key lighting, an application at which he's become adept and been particularly successful.

One of the initial ideas was to have 24 x BMFL Spots upstage blasting through the scenic clocks from behind, but the fixtures ended up being moved to the top rig, right above the backdrop from where they produced some amazing effects shooting down from this lofty and heaven like position on the rig!

MMX WashBeams – still a favourite Robe classic in Croatia – were scattered around the front truss for specials, and to boost the cross stage side lighting each side, there was a bar of six LEDWash 600+s.

Sven also used two FORTES as manually controlled follows spots, fitted with the LightMaster handle kits, and linked to his grandMA3 console for controlling of most parameters. He remarks on how impressive the intensity was from right at the back of the venue.

Sven ran all the lighting, which also included some LED washes, blinders and strobes, from the grandMA3. He is also working as a commercial pilot, so he took leave from the equally demanding day job to focus on designing and delivering these shows.

He is the first to praise his "fantastic" team from Promologistika. "I definitely could not have done it without all of them! The kit was in great condition, everyone worked hard and was enthusiastic, which always helps!" Added to that, they ordered the 48 new FORTE and Spiider fixtures for these shows, which made Sven feel very special! The crew included head of



lighting Boris Zigic and Promologistika CEO Zoran Biškupić, who is frequently on site for major projects and loves to work hands-on in the field with his technicians.

Video was also supplied by Promologistika. The playback content was designed by Marina Uzelac, and the playback co-ordinated, programmed and operated by Promologistika's head of video, Kristina Bengez.





## IPS supports drama of “The Thorn” with powerful visuals from Elation Professional

**Illuminate Production Services (IPS) plays an integral role in creating the visual magic that is “The Thorn” and again this year enhanced the drama using a large package of Elation Professional lighting. Lighting Designer Caleb Franke of IPS uses the dynamic lighting to help sculpt the inspiring story while wowing audiences with a variety of visual effects.**

### **Passion of the Christ meets Cirque du Soleil**

“The Thorn” is a modern day Passion play, a theatrical depiction of the life and death of Jesus, yet with a modern touch. The immersive theatrical show combines modern dance, music, martial arts, aerial acrobatics, and emotionally powerful performances, with state-of-the-art lighting and visuals. The play is known for its stunning visual effects and has been staged yearly since 1998. The current 10-city tour launched on March 1 in Loveland, Colorado, and ends on April 8 in Miami.

This year, IPS provided audio, video, lighting, staging and special FX for “The Thorn,” their 10th year working with this incredible theatrical production. IPS Vice President of Design & Operations,

Caleb Franke, served as lead lighting designer on the project. He comments, “This show is often affectionately described as ‘Passion of the Christ meets Cirque du Soleil’ so it’s truly a theatrical journey filled with moments ranging widely from subtle to celebratory. The Elation fixtures we use give us the dynamic range we need to help tell the story.” Elation has featured in IPS’s visual design for the show for many years.

Fuze MAX Profile™



### **A better experience**

“The Thorn” has toured in churches for nearly a decade but this year the production has made a significant jump and moved to performing arts centers and arenas. According to Caleb, the move has made many aspects of the show more consistent and efficient. “In the past, because church venues vary so much in design and layout, we were redesigning and deploying new custom solutions for the show every week. This took a lot of time and creative solutions to accommodate. Now that we are in larger open spaces, we’ve reduced many of these challenges. Keeping a similar design from venue to venue translates into faster load-in and load-out, a more prepared crew and cast, and most importantly, a universally better experience for attendees.”

### **Versatility**

Designed to be inspirational and motivating, visually stunning beams, color-changing scenes with pattern projection, and changing background graphics add an extra element of visual drama and intensity to the production that both wows and engages the audience. “The rig is versatile and has the ability to do ‘big’ heavy gobo and



beam looks with lots of energy like in the Battle or Heaven scene, but we can also tone things down for beautiful, dramatic looks like when Jesus is entering Jerusalem, or when Jesus is on trial by Pilot in the Mob scene,” Caleb shares. “That versatility is also key in the Resurrection scene. There are some fantastic subtle theatrical looks in the beginning, but then when Jesus rises, there are a lot of beams and the rig just explodes with energy!”

Design staples and lighting additions Used to flood the stage in color and break-up textures, as well as provide striking mid-air beam looks were a variety of lights in Elation’s Fuze, Proteus, Rayzor and SixPar series along with other luminaires. Many have been staples of previous productions but new to this year’s rig are Fuze MAX Profiles™, which Caleb calls fantastic fixtures. “Because The Thorn is now touring in large theaters and arenas, we needed more power and the Fuze MAX was the right tool for the job! These fixtures replaced the Artiste DaVinci moving heads that have served the tour for a few years. The Fuze MAX Profiles serve as the primary stage profiles, but also back light, side fill, and even feature somewhat in the floor package.” Another Fuze series light that Caleb singles out is the Fuze Wash FR™, an automated LED Fresnel fixture with framing that is used as the primary followspot fixture.



Photo © Jeffrey Miller



Magmatic Therna Tour 800™

primary profile front light fixtures as well as the downstage center light that we call the ‘cross light’” Caleb states. “This light makes the cross scenes and anything central and downstage pop and look incredible!”

**Lighting enhancement**

Passion plays lend themselves to creative use of haze and fog effects as an important aspect of atmosphere creation, as well as providing a midair projection canopy for light beams. For “The Thorn,” a pair of Therna Tour 800™ hazers from Magmatic effects provide an exceptionally fine, long-lasting atmospheric haze. Capable of creating a fine particulate that hangs in the air for long periods, the Therna Tour 800 excels at enhancing light beams and mid-air effects for higher impact visuals.

“What a fantastic fixture! We love the softness of the edges and the great color temperature control.”

A host of Proteus series lights are used in the production including Proteus Maximus™, Proteus Lucius™, Proteus Hybrid™, and Proteus Rayzor 760™. “The Proteus Maximus are used as the

**“The Thorn” film**

In order to reach an even wider audience, “The Thorn” was filmed for the first time, playing in theatres across the U.S. in early March. IPS played a role in the filming, handling lighting design and providing audio, video, lighting, staging and special FX. “Many of the Elation fixtures used in the live show were used in the film and were integral in creating the cinematic look and feel of the film,” Caleb said. “We use Elation fixtures for our video lighting every day. The results are always stunning and highly praised by our client partners.”

- Elation gear
- 12 x Fuze MAX Profile™
- 6 x Fuze Wash Z350™
- 1 x Fuze Wash FR™
- 6 x Proteus Maximus™
- 6 x Proteus Lucius™
- 8 x Proteus Hybrid™
- 15 x Proteus Rayzor 760™
- 8 x Rayzor 760™
- 8 x Rayzor 360™
- 8 x Platinum HFX™
- 14 x Platinum Beam Extreme™
- 8 x SixPar 100™
- 4 x SixPar 200™
- 6 x Cuepix 16 IP™
- 8 x Protron 3K™
- 161 x EPT6 IP™
- 2 x Magmatic Therna Tour 800™

Lighting Designer: Caleb Franke  
 Lead Production Manager: Rick Franke  
 Lead Tour Rigger: Joshua Gerstenberg  
 A1 and Production Manager: Joe Bettis  
 Lighting Tech and Lighting Operator: Creighton Stack  
 Led Video Wall Tech and Show Control: Bryce Adams

Photo © Creighton Stack

[www.elationlighting.com](http://www.elationlighting.com)



## Ayrton Mistrals turn the spotlight on Underoath's Blind Obedience Tour

**American rock band Underoath has hit the road on its Blind Obedience tour featuring Ayrton Mistral fixtures from Sonus Pro. ACT Entertainment is the exclusive distributor of Ayrton lighting in North America.**

Based in Moorestown, New Jersey and with offices in Raleigh, North Carolina, Sonus Pro is a lighting, video and audio rental, production and design house specializing in touring, anime and gaming, and conventions. For Underoath's Blind Obedience tour the company is furnishing all the lighting and audio equipment and Sonus Pro's Director of Touring Accounts, Lenny Sasso, is serving as the Lighting Designer and Programmer.

Underoath kicked off the 24-city, cross-country tour, which features special guests Periphery and Loathe, in Silver Spring, Maryland on March 3 and ended in Nashville on April 2.

Sasso has a history with Underoath having previously worked with band management and on lighting design for some of Underoath's festivals and European dates.

The Blind Obedience tour is the first with Sasso's own lighting rig and design. "We're using Ayrton Mistrals on this tour, and they look great," he reports. "Mistrals have become my go-to spot for larger club tours like this one. The band loves them!"

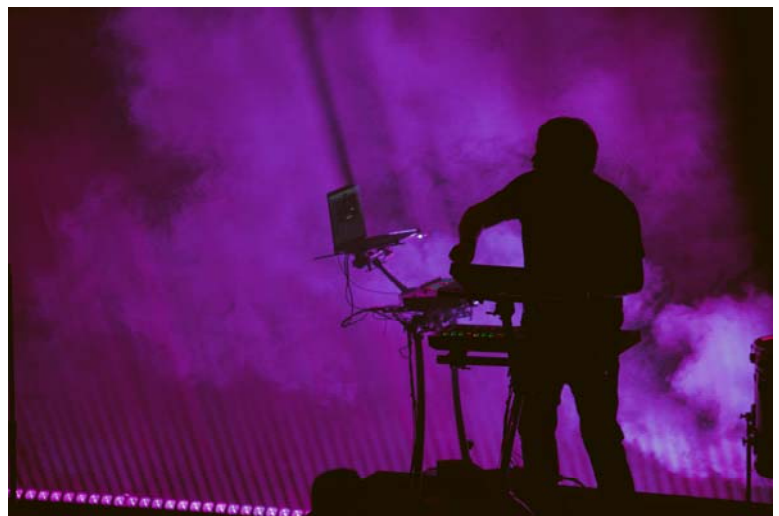
Sasso says Sonus Pro is "a big Ayrton fan" with Mistrals and Eurus currently in its inventory; the counts of each will grow this year. The company is also

considering adding MagicBlade FX and Zonda fixtures. "I like the Mistral's color a lot and the way they quickly snap through colors," Sasso explains. "I don't tend to use a lot of color – the majority of this show is monochrome or two-tone – but Mistral can snap so quickly to different colors that house rig fixtures can't keep up with them.

"I also like how tight I can get the beam, and I love the gobo package. Mistral







Mistral

may be small in size but it packs a nice punch for performances in these larger-size clubs.” Sasso has the Mistrals stacked two each on six U-torm towers upstage of the band. He explains how the Mistrals act as bridges in certain

songs. “In ‘Dangerous Business’ there’s a big audience chanting moment where we point every Mistral to the audience, and they go pure white with a big gobo look. It happens two or three times during the set and fills the room with a beautiful look.” The band’s performance of “Too Bright to See, Too Loud to Hear,” starts low with a guitar. “The Mistrals slowly fade in to match the guitar then open wide so a gobo fills the stage and complements the the rising swell of the music,” Sasso adds. He notes that the tour marks the first time that “we have no DMX on stage. We go straight from CAT5 to a Ubiquiti switch on stage so each fixture is its own node; we cut the amount of cabling and theoretically there’s zero latency. It’s working very well.” Sasso believes this method will become more widespread as the DMX count for many fixtures becomes increasingly high and unwieldy.

Sasso has a grandMA2 light controlling lighting for the tour. ACT Entertainment is also the exclusive distributor of

MA Lighting products in North America. The lighting designer and programmer moved to MA about half-a-dozen years ago and says he’s never looked back. “I’ve never thought about using another console. I can’t say enough about grandMA. This platform is able to replicate what I want to do. It gets out everything I have in my head and computes with me.” Sonus Pro owns a grandMA3 light, which just finished “Trixie and Katya Live,” a new tour starring the legends from “RuPaul’s Drag Race.” A second grandMA3 light is on order. Sasso plans to use grandMA3 for the upcoming Spiritbox tour for which he will handle lighting design and programming.

“Although we didn’t need any special support from ACT for Underoath, we have a close relationship with them and have only the best things to say about the ACT team,” Sasso concludes.

[www.ayrton.eu](http://www.ayrton.eu)

[www.actentertainment.com](http://www.actentertainment.com)

[www.avlimes.com](http://www.avlimes.com)





## impression X5 the key to RÜFÜS DU SOL's touring rig

**Lighting designer Matt Smith (of Colourblind) again took full advantage of GLP's fixture versatility when plotting the scenography for the American leg of RÜFÜS DU SOL's tour.**

The Australian creative used a selection of impression X5, JDC1 and impression X4 Bar 20 from the German company's catalogue, deploying them in mission-critical roles. All were sourced from Volt Lites in Los Angeles, where Smith is now partly based, and who have been supplying inventory to him since the band's Live from Joshua Tree project back in 2019. While the impression X5 took on key light duties, the JDC1 and Bars peppered the set with multiple complementary effects. Sydney-based indie-dance trio RÜFÜS DU SOL had been the first client that Colourblind founder Lyndon Gare worked with when he and Smith began their collaboration back in 2014.

It didn't take the designer long to sense how GLP's fast-expanding LED portfolio could be an asset to his concepts. "I've been a big fan of GLP products for a long time and we have had a rich history using them on our tours with

RÜFÜS DU SOL since 2016," he says. "We were one of the first tours in Australia to use the X4 Bar 20s along with a substantial number of X4 atoms and impression X4 Wash."

He has followed the journey right through to the latest impression X5 washlight, to which he was introduced by Matt Shimamoto at Volt Lites – the company that now services all their lighting and rigging requirements "with a level of service and professionalism that's second to none." His reaction to the X5? "I loved them, and we immediately substituted all our usual LED wash fixtures. They are very bright, with a super-versatile zoom range and fantastic colours. Although we use them as key lighting only on this show, I am intrigued to use them in the future in the full-pixel mode."

Scaling the rig to accommodate both indoor and outdoor stages – with capacities ranging from 8,000 to 25,000 – he deployed 36 of the impression X5s. He uses six fixtures on each flank as side lights, with six on the truss for key light (two for each band member). A further 12 are positioned underneath the risers

to shoot through the perspex tops, with the remainder on the front truss for general stage wash purposes. This saw them successfully through a US itinerary highlighted by such iconic venues as Red Rocks, Hollywood Bowl and The Gorge before returning to their native Australia for their first headline tour since before the pandemic.

Matt Smith had a specific reason for choosing the JDC1 as his marquee hybrid strobe. "It's the original and the best," he says, "and I've always used the Key Light profile and MA3D model from fellow Australian Anthony Petruzio. It makes it super simple for a previs in MA3D and, to be honest, super simple for cloning when I don't have them!"



Impression X5



*“Colourblind LD Matt Smith also favours JDC1, the “original” hybrid strobe”*

He has purposed 51 in total – many as truss-mounted overheads – with further fixtures on the floor and three-per-side underneath the IMAG screens, all run in SPix (68 DMX channels) mode.

This has proved the ideal backdrop for the trio to show off their moves, with the dance music style being the perfect medium to animate the lighting, choreographing it accordingly. As the LD explains: “Creative director Alex ‘Katzki’ George and the band like to

accent the music as much as possible with lighting and visuals, but at the same time we always want to keep it thoughtful and classy. A show needs peaks and dips and shouldn’t be ‘at 11’ all the time!”

As the band’s touring LD, Matt himself is responsible for bringing this to life. For the band’s album campaign he was joined by fellow programmers Steven Mills and David Fairless.

[www.glp.de](http://www.glp.de)

Photos © Michael Drummond





## Radiant Carnival – Cameo highlights the alternative Stunksitzungen in Cologne

The cabaret-style Cologne Stunksitzung is the original father of the "alternative carnival session" and the largest format of its kind. From December 7 2022 to February 21 2023, 46 Stunksitzungen took place at the E-Werk venue, including a TV broadcast on February 16 on the WDR channel. The lighting technology for the Stunksitzungen was once again provided by the Cologne-based event and media technology service provider al-media. Together with lighting designer Jojo Tillmann, the team relied almost exclusively on Cameo spotlights.

The al-media firm has been active as a technical service provider for the Stunksitzungen for many years and is located in the immediate vicinity of the famous E-Werk and Palladium venues. In 2021 and 2022, al-media owner André Lyrmann invested in a broad Cameo portfolio ranging from ZENIT W600 washlights to OPUS SP-5 profile moving heads and OPUS H5 beam moving heads, to F-Series LED Fresnel spotlights. After the 2021/22 stunt sessions were cancelled due to the Corona situation at the time, the spotlights finally came into their well-deserved use.

### Stage lighting

A total of 15 OPUS SP5 profile moving heads serve as front light, back light and for gobo use; the EVOS W3s are used as lighting for the live band and as side and effect lights. The Elferrat, placed on a gallery above the stage, is illuminated from behind by four compact F1 T Fresnel spotlights with Tungsten LEDs and additionally staged with eight F2 T PO (rod-operated), which are simultaneously intended for various individual positions and offer even more power than the F1 T with their 12,500 lm luminous flux. Eleven more F2 T POs are used as general front lights to bathe the stage in bright light when required. Furthermore, al-media integrated 20 ROOT PAR 6 WH PAR spotlights (RGBAW+UV) at various positions in the stage setup. The stage lighting is rounded off by powerful beam effects from six AZOR B1 Beam moving heads.



15 x Cameo OPUS SP-5 Profile Moving Head  
28 x Cameo EVOS W3 Wash Moving Head  
08 x Cameo F1 T LED Fresnel Spotlight

19 x Cameo F2 T PO LED Fresnel Spotlight  
28 x Cameo ZENIT W600 LED Wash Light  
06 x Cameo AZOR B1 LED Beam Moving Head  
20 x Cameo ROOT PAR 6 WH LED PAR spotlight

### Hall lighting

For flexible and atmospheric illumination of the hall, including the audience, Jojo Tillmann and al-media relied on 28 ZENIT W600 washlights. The E-Werk's permanently installed equipment also includes numerous Cameo Q-SPOT LED spots, which were also integrated into the lighting design. "The contact with Cameo and Adam Hall came about through Jojo Tillmann," explains André Lyrmann. "We felt we were in the best possible hands here right from the start. The advice and support are excellent, and the spotlights work very reliably. Over the entire playing time of the Stunk sessions, we only had one defect, which we were able to fix quickly and effectively ourselves thanks to the help of Cameo Support."

OPUS® SP5  
Profile



[www.cameolight.com](http://www.cameolight.com)  
[www.al-media.com](http://www.al-media.com)





## Robe stages successful Lir Open House event + expands Irish operation

**Robe lighting staged a recent busy and successful Open House event in partnership with The Lir National Academy of Dramatic Arts at Trinity College Dublin. The Lir Academy offers conservatory training for the theatre, film and television industries.**

The Open House platform proved ideal for showcasing some of the manufacturer's latest products and technologies - including its PAINTE, iFORTE and LEDBeam 350 moving lights, the T11 static luminaire range, the T11 Profile manual follow spot and the popular RoboSpot system.

These were showcased to a range of lighting professionals plus students on the Lir's renowned Stage Management and Technical Theatre course.

The Lir's main studio provided a fantastic venue space and backdrop for the event which built on a similar one last year, the first since Covid. It is the intention to once again make it an annual benchmark and networking experience, focussed on new products and ideas and connecting people from assorted industry fields and disciplines. Visitors travelled from all across Ireland – northern and southern – a lively mix

of lighting designers, rental companies, venue managers and others from educational and commercial worlds, reflecting the general current industry buzz and interest in live music and entertainment in Ireland.

The set-up day further facilitated an opportunity for students from other local schools to look more closely into the world of entertainment lighting and train on some of the kit. Robe's very flexible RoboSpot remote follow system

was highlighted again this year, together with the many advantages it brings to theatre / performance installations including quietness, accessibility and adaptability in terms of which fixtures can be used, when and where. This attracted a lot of interest as people could see the benefits of the system first hand. It also proved a great opportunity to showcase the first production unit of Robe's Manual Follow Spot (MFS) which attracted some keen interest.





The Lir / Robe relationship now spans seven years, and one of its cornerstones has been to enable Lir students access to training on Robe equipment. "It's important for our students to learn on some of the best kit, and equipment they are likely to encounter when working professionals," explained Eve D'Alton, Lir's head of lighting. She believes events like the Open House are also a great chance for students and future industry professionals to meet and integrate and swap experiences and expectations. Obviously, there was a big emphasis on LED technology this year, with the fundamental role it plays in any lit environment.

With business currently expanding in Ireland, now is seen as the right time to develop the strong ties with the UK's closest European neighbour. Robe UK's sales director Ian W Brown was a key presenter at the Open House, together with Gavin Mooney, Robe Ireland's new sales and business development representative.



Gavin Mooney on the left is Robe Ireland's new sales and business development representative, and Will Blackie on the right has joined Robe UK's technical sales support team

Gavin himself is one of the Lir's Stage Management and Technical Theatre course alumni and a great example of how a career can launch and grow from this dynamic academic space. Whilst at the Lir, he became involved in the NRG (Next Robe Generation) programme which led to the opportunity of working as sales support on Robe's PLASA stand, among other events. He's now delighted to have this opportunity of working directly for the brand in a very special market he already knows well and loves so much. The scope of his work will include facilitating Robe users / customers in Ireland as well as developing Robe's business in exciting, new and different areas.

To Gavin, "Robe is a leading manufacturer in moving light technology. Our products are very sustainable, well known for their robustness and longevity and uniquely they are wholly made in Europe at our factory in the Czech Republic which makes quality control much easier.

"I'm looking forward to working with such an amazing team and with many people around Ireland in this exciting new venture!" he declared.

Will Blackie, who also recently joined Robe UK in a technical sales support capacity, was heavily involved in the Open House delivering onsite training and product demonstrations, and will also provide pivotal technical support to the sales team at large.

Theresa Gibson, head of marketing for Robe UK concluded, "We are delighted to continue to strengthen our long-standing partnership with the Lir Dublin and build on the success of our Open House events. "The opportunity to spend time with students on the Stage Management and Technical Theatre course was hugely beneficial as it gave them the chance to get hands-on with the new kit and up to speed with some of Robe's latest products and innovations. Returning so soon into the New Year and using the event as a platform to welcome Gavin Mooney to the team as the new face of Robe Ireland – and key contact on the ground – is a hugely exciting flying start to 2023, underlining our commitment to the market and our business in Robe Ireland."

[www.robe.cz](http://www.robe.cz)







## Ayrton Khamsins and Dominos light up Adele's Las Vegas residency

Ayrton Khamsins and Dominos dominated the rig designed by Cory FitzGerald for “Weekends with Adele,” the first concert residency by the British singer at The Colosseum at Caesar’s Palace in Las Vegas. FitzGerald is a Senior Partner, Lighting Designer and Creative Producer at Silent House Studios, Burbank, a global award-winning design and production agency. ACT Entertainment is the exclusive distributor of Ayrton lighting in North America.



FitzGerald previously worked with Adele when he served as the lighting designer for her appearance at British Summer Time in Hyde Park, London last July. Coming on board for her Las Vegas residency he knew “from the beginning that it would be a very theatrical show. It would build quite a bit physically and in intensity starting with a small concept and growing to fill the stage with a full orchestral extravaganza with scenery, moving elements, and projections. The lighting needed to complement that and still give a theatrical feel and concert vibe.”

FitzGerald mounted 192 Khamsin LED moving head profiles in three moving trunks independent of the three moving projection layers on the show, as well as in three main overhead rows of truss for top and side lights and on two house truss positions. “Khamsins were the workhorse for this show: They were the principle light used everywhere,” he says. “I had worked with them before and knew they were very bright and punchy, as well as offered a lot of options. I wanted uniformity in the rig – all the same lights in different locations for better, cleaner visuals – but that

meant the fixtures had to be versatile.” FitzGerald also opted for 25 Domino LED moving head profiles, which were evenly distributed on the floor to create a horizon of light for the show. London-based Neg Earth Lights provided the rig. “Weekends with Adele” also used two full-size grandMA3 consoles to control lighting with a grandMA3 light for focusing. ACT Entertainment is also the exclusive distributor of MA Lighting products in North America.

[www.ayrton.eu](http://www.ayrton.eu)

Photos © STUFISH





## Datum Creative selects IP-rated Elation lighting to carry 'no video' production for We Belong Here

One of the festival season's more unique early gatherings took place February 25-26 when Miami's Virginia Key Beach transformed into a pop-up beach club for We Belong Here. Datum Creative was responsible for the site, production and lighting design and turned to Elation Professional's industry-leading range of IP-rated luminaires to carry the production visually and fulfill the festival organizer's unique 'no video' brief. Technical Arts Group (TAG) served as lighting vendor

### Nightclub feel

The no video brief, while uncommon for shows of this stature, allowed for a 360-degree design that fully immersed guests in the music and gave the audience room to wrap around what was essentially an island main stage. "The brief was to create a nightclub feel with space rather than a festival look where people are looking at video walls and the stage all the time," explains Datum Creative Principal Dave Singleton, who handled production and site design on the project.

### IP rig

Datum Creative's involvement in We Belong Here extended beyond the lighting design. They were responsible for designing the entire layout of the site and consulted on production management. "The client let us know that the show went on rain or shine so lighting had to be IP rated," said Singleton. "Because there was no video on the show, lighting carried the entire production all weekend." The rig consisted of 68 Proteus Hybrid™ moving heads, 34 Proteus Rayzor 760™ LED wash/ beam lights, 60 SixBar 1000 IP™ LED battens, 60 DTW Blinder 350 IP™ LED 2-lite blinders, and 36 Paladin Panel™ LED flood and effect lights, plus other lighting.



### Containers / Palm trees

The 360-degree design centered around shipping containers, which formed the entire circular outline of the site and helped to create the sense of space. The containers, painted purple, is where most of the production was located with additional lighting gear also working from two truss 'palm trees' located in the middle of the site. Singleton explains that due to the 360 design, it was crucial to have illumination throughout the area, not least to provide an interesting background for the multitude of posts that flooded social media. To achieve a variety of visual aesthetics across the site, lighting was dispersed across four container locations, utilizing different container heights, a straightforward strategy of delineating the space that was highly successful. In order not to lose the container concept after dark while helping to light the entire site, 20,000-lumen Paladin Panel LED floodlights were used to uplight each container, two per container. A further eight fixtures were used to uplight each palm tree (one fixture per branch).



**Proteus Hybrid**

The Proteus Hybrid moving heads were used for their powerful punch and were put at every container location, including along the stage and in each of the truss palm trees. "I had used the Proteus Hybrids before in a controlled environment with haze," Singleton says, "but here with the breeze from the ocean I wasn't sure what to expect. When we turned them on, we were happy to see a clear solid beam that had a long throw. We did some big gobo aerial work with them and even with minimal haze coverage, we still got nice defined beam work. There were a lot of unknowns but it worked great."

**Pixel mapping possibilities**

The Proteus Rayzor 760 LED lights were employed to create wash and visually captivating effects throughout the event space, as well as to border the stage. Moreover, the edges of the containers were lined with one-meter long SixBar 1000 LED battens, producing an alluring pixel effect. The designer took full advantage of the pixel-mapping capability of both types of fixtures. Singleton comments, "Normally on a festival we wouldn't necessarily do all the washes in a pixel mappable mode but because lighting was the main visual here we wanted to give any guest LDs the possibility to do something with their show that perhaps they normally wouldn't. We had two guest LDs, from the two headliners Kaskade and Lane 8, who loved it and

Proteus Rayzor 760™



Production & Site Designer: Dave Singleton for Datum Creative  
 Festival Production Manager: Ian Gotts  
 Lighting Directors: Matt Palumbo & Kevin Labitan  
 Datum Creative Production Coordinator: Emili Fletcher  
 Datum Creative Project Managers: Ben Gilbert & Ryan Deverill  
 Lighting Vendor: TAG (Technical Arts Group)  
 TAG Account Manager: Kevin Mignone  
 TAG Project Manager: Daniel Evanko  
 Head Electrician: Amilcar Fernandes  
 Lighting Tech: Monique "Cat" Mejia  
 Lighting Techs: Riad Feratovic, Chris "Cuba" Peraza  
 Structures Vendor: Guardian  
 Shipping Containers: Arca Build  
 Engineering: Clark Reder Engineering



thought it was such a different concept. They told us that they can get a bit nervous when they can't do their normal show [with video], but when they saw the level of planning and detail that went into this and the possibilities with the pixel mapping, they thought it was amazing and had much more confidence in it."

New York and Miami-based production and rental company Technical Arts Group (TAG) served as lighting vendor on the project. TAG, formed in 2021 when several production and rental companies joined forces, holds a large inventory of Elation IP65 lighting.

Like all projects, Singleton says the job had its share of challenges. A short 48-hour build schedule and a limit on how

many containers could be delivered to the site each day proved difficult but Datum Creative met the challenge and had the site ready on time. Hotter than normal temperatures, nighttime bugs and even alligators actively roaming the site were easier to deal with. Despite the hurdles, Singleton reports that the project went really well and the festival was a big success. "It was a big fast build but it was a lot of fun and in the end it all worked out," he concludes. And the Elation gear? "It was super reliable. It was on and exposed for 4-5 days in dust, heat and salt air and we didn't have a single fixture go down the whole time."

[www.elationlighting.com](http://www.elationlighting.com)

[www.taglive.com](http://www.taglive.com)





## GLP helps DJ BoBo celebrate 30 years with Evolut3on tour

**DJ BoBo is a phenomenon. After 30 years on stage and 15 studio albums behind him – many of them gold and platinum – the Swiss artist is still selling out major venues. In 2023 there will be another anniversary tour (which is already almost completely sold out) with Evolut3on. Starting in May, 56 GLP XDC1 IP Hybrid strobes will travel with him.**

The two-and-a-half-week tour rehearsals – including four advance preview shows – took place in January at Europark Rust. Here lighting designer Thomas Gerdon had the opportunity to put his design through its paces. “Video mapping is actually very much in the foreground,” points out Gerdon. “This means that the huge stage – with a backdrop 50 metres wide – is completely white and serves as a projection surface for video content of all kinds. In terms of lighting, a highlight show was required for the occasion, but not in competition with the video mapping. That was one of our great challenges.” The other element is that there is a total of three stages. A B stage sits in front of the large main stage, and even further back in the hall, at FoH level, is the C stage in the form of a huge turntable.

“If you don't want to install hundreds of moving lights, which always comes down to a question of cost and efficiency, the choice of devices quickly becomes very thin. With moving lights you would have to rely on very large devices. But then I remembered the XDC1 IP Hybrid on the Ed Sheeran tour: high-power strobe tubes plus three rows of narrow-beam RGBL LEDs ... Eureka!” Gerdon comments. After discussions with Oliver Schwendke and Michael Feldmann from GLP, Gerdon was certain that he had found the ideal solution for the planned application. And so 56 of the new GLP XDC1 IP Hybrid strobe/wash lights found their way into the design. The XDC1 offers impressive light output and colour reproduction quality in combination with two extremely powerful white strobe lines. 18 wash LEDs, each with 40W light output in three rows of six pixels each, can also be controlled on two levels. Even at long distances, as at the DJ BoBo Show, the device still makes a huge impact with its enormous output, even when using the frost filter. The integrated Tungsten Simulation channel also allows it to be used as an effective audience blinder. The two strobe lines of the XDC1 IP Hybrid offer up to 1,100 W of power, which can



effortlessly light up entire stadiums and arenas. Exactly what Gerdon had in mind for this project. “Two trusses, each 62 metres long, stretch from the stage to the end of the halls, which contain 60 moving lights in addition to the 56 XDC1s evenly distributed. However, it is the XDC1 IP Hybrid that allows us to illuminate the entire audience area brightly and evenly, even in large arenas such as the Lanxess Arena in Cologne.”

[www.glp.de](http://www.glp.de)

Photos © Julian Huke





From left to right: Markus Jahnel, CEO Adam Hall Group & Jörg Stöppler CEO NicLen GmbH  
Photo © Adam Hall Group

## Soft light and hard beams - NicLen invests in Cameo S4 soft lights, OTOS® series and more

In recent years, NicLen has successively expanded its inventory of Cameo fixtures. Today, all of the manufacturer's major series are part of the portfolio of the leading DryHire provider. Recently, NicLen GmbH and NicLen UK - as an independent offshoot in the UK - have once again stepped up and invested in large numbers of the Cameo S4 IP LED softlights, the new OTOS® models SP6 (Profile Spot) and B5 (Beam Moving Head) as well as the compact spot moving head AZOR S2.

The S4 IP is an IP65-certified LED soft panel for indoor and outdoor use and the first representative of the new S series, which is explicitly aimed at lighting engineers, lighting technicians and content producers in the areas of TV/film, events, live streaming and more. The compact softlight is based on 544 single SMD LEDs per colour (RGBWW) arranged in a cluster of 4. In combination with the integrated calibration chip, the S4 IP has an

extremely natural colour rendering (CRI 95, TLCI 91) as well as an exceptional coverage of the extended Rec. 2020 colour space of 85 percent. In addition, the adjustable colour temperature with its wide range of 1,800 to 10,000 Kelvin enables use in all environments. In the development of the S4 IP, Cameo not only placed the highest value on the inner light values - the housing concept and handling also convince with well thought-out functions: permanently installed handles for transport and quick alignment, waterproof and lockable powerCON TRUE1 device connectors and versatile control options via DMX, W-DMX, ArtNet, sACN or RDM.

"With the S4 IP, Cameo has once again meaningfully expanded its lighting portfolio," explains NicLen Managing Director Jörg Stöppler. "We are pleased that the new softlights were able to prove directly what they can do at this year's Fashion Week in Paris." In addition to the S4 IP LED Soft Panels, NicLen has also continued to expand its

OTOS® inventory. After being the first in the world to invest in the OTOS® H5 Beam-Spot-Wash Hybrid Moving Head in 2022 (and successfully providing it for the christening of the AIDAcosma cruise ship in Hamburg), NicLen is now moving forward again and setting the next mark with the purchase of the new OTOS® SP6 (IP65 Spot Profile Moving Head with 600 W LED) and OTOS® B5 (IP65 Beam Moving Head) models. Also new to NicLen's DryHire stock is the compact Cameo Spot Moving Head AZOR® S2.

Markus Jahnel, COO of the Adam Hall Group: "We are very pleased that NicLen, as one of the largest DryHire providers in Europe, has been relying on our lighting solutions for years. We are excited about what the future holds and where we will see the different Cameo models in use in the coming months."

[www.cameolight.com](http://www.cameolight.com)



# Ayrton appoints Topstage – and a familiar face – as its new, exclusive distributor for Sweden

**Ayrton is very excited to announce the appointment of Topstage – and a familiar face – as its new, exclusive distributor for Sweden. Linnea Ljungmark will be leaving her position as Ayrton Regional Sales Manager to form a new company, Topstage, which will be the new Ayrton distributor for Sweden from April 2023.**

“After years of travelling and working for the international markets, the time is right for me to bring my experience back to Sweden, and distribution is in my DNA,” says Linnea. “You could say it runs in the family. This is such an exciting opportunity.” After almost 5 years with Ayrton, and an even longer association with the brand which stretches back to the early days of the company, Linnea is one of Ayrton’s own, and with an enviable industry lineage she brings a wealth of product and market knowledge. “Ayrton is considered a top brand internationally and the time has come to properly introduce the product line and brand to the Swedish market, which is generally very quality- and design-aware, so there is great potential for a perfect match,” Linnea says. “I am really looking forward to dedicating more time and focus exclusively to our Swedish customers to ensure they get the best support possible.”

“When Linnea broached this idea I admit to being a little torn,” says Ayrton CEO, Chris Ferrante. “Linnea has not only been an incredibly valuable member of the Ayrton team, but has brought us so much more than just sales. Her brilliant championing of Women In Lighting from an entertainment lighting perspective shows how multi faceted Linnea is.”

“Women In Lighting is important because it generates change and there is a need for it,” she says. “Hearing the stories of other industry women and the encouraging words from male supporters is empowering. To remain



as part of Ayrton’s extended team and continue the work with WIL means a lot to me because, together, we can make a difference. Iceland, Sweden and Finland are top three on The Economist’s glass-ceiling index this year, yet still, I am the first woman in Scandinavia to found a stage technology distribution company. I hope I can inspire others to follow.” “The impending change is very exciting,” adds Michael Althaus, Global Sales Director of Ayrton. “It will most certainly further Ayrton’s long term goals of driving premium, exclusive distribution, and give the Swedish market the level of attention it deserves and has been lacking. We wish Linnea

all the best in this new endeavour, and will be doing absolutely everything we can to deliver success!”

Linnea is now looking for a sales person to join the Topstage team, and will see the company’s first official appointment as distributor at the Ayrton Open Days in Paris. “I hope to see many Swedish customers and designers there at Ayrton HQ to give them a real insight into what Ayrton has to offer, and where the magic happens!” she says.

[www.ayrton.eu](http://www.ayrton.eu)

[www.topstage.se](http://www.topstage.se)





## Gearhouse Splitbeam chose Tetra2 for We Will Rock You

**Robe Tetra2s supplied by Gearhouse Splitbeam have made their debut on Ben Elton's rock musical, We Will Rock You which opened at the Teatro at Montecasino, Johannesburg in March, moves to the Artscape Theatre in Cape Town in May 2023 and visits a few other countries as part of the world tour. Gearhouse Splitbeam has supplied all technical elements, lighting, rigging, AV (projection and LED) as well as the main PA system.**

Gearhouse Splitbeam has played an instrumental role in the entire production right from the start, with the show kicking off in Singapore and the Philippines, to its current full houses in South Africa and then ending in Israel. The company's Managing Director, Alistair Kilbee, is also the Tour Technical Director who is heavily involved with the crewing for the full tour as well as the local crew in South Africa.

"The greatest challenge for this show has been the 'new' style of touring where the production has a full physical set, props and costumes but pick up technical elements including lighting, audio, AV and rigging locally in each country," explains Alistair Kilbee. "This creates major equipment challenges in each and every set-up. So being back in South Africa where we can have one rig for both Johannesburg and Cape Town from Gearhouse Splitbeam makes the life of the touring crew a lot easier."

An exciting new addition to the rig in South Africa includes 16 Robe Tetra2 LED Bars supplied by DWR Distribution. The Tetra2 is a linear bar built on the Spider and Tarrantula technology. Generating an ultra-tight 4° beam from each of the 18 pixels, they combine to produce a bright, defined "sheet" of light, desired by lighting designers. Seamless curtains of light can be constructed using several fixtures as the detailed design allows any combination



Tetra2™





The Gearhouse Splitbeam crew delighted with their new Tetra 2 fixtures

of TETRA1™ and TETRA2™ to be placed end to end on stage or truss, whilst maintaining equal spacing between pixels. With the addition of two exclusive Robe patented MCFE™ – Multi-Coloured Flower Effects, the Tetra2 sets itself apart by projecting charismatic in-air animations.

Alistair's first introduction to the Tetra2s was at the Robe Theatre Workshop, held across South Africa in 2022. It was the single product that caught his eye. "We had been planning on buying the Tetra2s for a while now, and when We Will Rock You came along at just the right time, we made the purchase," he says.

The Tetra2 fixtures are rigged on three lighting bars in a straight line with seven units on LX2, five units on LX4 and three units on LX6, to give the designer an even wash across the stage.

"The broad blades of light generated by LED battens remind me of the old digital light curtains (DLC), which I loved and we used on the original We Will Rock You about fifteen years ago," Alistair reminisces. "Luckily the Tetra2 is way more advanced than the DLC which makes them a joy to work with. The tilt movement sets them apart from the other LED battens in our stock holding and gives you so much more flexibility when designing your show. As always the services we received from DWR was nothing short of amazing and they managed to deliver the units in a very short lead time, which in this Post-Covid world is not easy. Duncan Riley and Kevin Stannett have always been there when Splitbeam needs anything and are fast to react, so just a great team to deal with."

DWR's Kevin Stannett was in the audience when We Will Rock You kicked



off in Johannesburg. He adds, "I have been working with Alistair in some way or form since 1996, and it's always good. It is wonderful to see Gearhouse Splitbeam back on the map with big shows and buying new gear. There are numerous Tetras in the country and it's a nice little unit that can work as a wash light, give you the curtain effect, added flower effect and gives full pixel control. They worked really well on the production. The Tetra2 was actually a swap out for an unavailable fixture on the technical rider for this show, and apparently, the international programmer was very happy and impressed with the fixture." Ends Duncan Riley, "I'm very happy for Gearhouse Splitbeam. "It's wonderful to see theatre on the road again! Thank you for your support."

[www.splitbeam.co.za](http://www.splitbeam.co.za)

[www.dwrdistribution.co.za](http://www.dwrdistribution.co.za)

[www.robe.cz](http://www.robe.cz)





## Luminis deliver large Elation KL lighting system for ultra-modern Bulgarian broadcast studio

Leading Bulgarian media company Nova Broadcasting Group recently opened an ultra-modern studio complex of nearly 17,000-square meters in the capital of Sofia. To ensure top-quality, professional illumination in the new facility's multiple studios, Nova Broadcasting Group worked with Elation distributor Luminis Ltd. on a broadcast-optimized lighting solution. Luminis worked with a local lighting designer on the specification and design of the system, which is made up of 202 KL Fresnel 8 FC™, 20 KL Profile FC™, 137 KL Panel™, and 89 KL Panel XL™ fixtures, along with 36 Arena Zoom Q7IP™. The lights are spread across a large 1000-square meter television studio plus two smaller studios of around 350 square meters each. A further requirement was a simple yet reliable DMX/RDM splitter, a need fulfilled by Obsidian Control Systems' NETRON RDM6XL, which Rábay says are easy to work with and work very well. Some 114 RDM6XL splitters are used across the lighting control network. Luminis installed the luminaires working with lighting personnel from Nova TV and programmed initial lighting scenes for the studio. Elation's Bulgarian distributor, Pro Audio Ltd, works with Luminis to provide local support when needed.



[www.elationlighting.eu](http://www.elationlighting.eu)

## Bullseye! Elation KL Panel™ hits the mark on PDC European Darts Tour

The sport of darts has been enjoying increasing popularity in recent years with fans packing large-capacity arenas for competitions and many more tuning in at home. German company Audio Werft Veranstaltungstechnik turns to Elation Professional KL Panel soft lights to provide high-quality game lighting at European darts tournaments across Europe. Audio Werft has been the technical service provider of Professional Darts Corporation (PDC) European Tour and Gala events for several years, which are broadcast in Germany via streaming service DAZN. For the current tour, the Audio Werft team employs KL Panel™ soft lights and the larger, even more powerful KL Panel XL™ to illuminate the on-stage action for both the live audience and television cameras. Six KL Panel XL fixtures are used in the front truss, approximately two and a half meters in front of the stage, with another four in a truss directly above the downstage edge. Left and right of the stage are other KL Panel XL fixtures, while four of the standard models are installed in the back truss. Two more KL Panels travel as spares. With its RGBWLC LED array, the KL Panel covers the full color spectrum and also allows for continuous selection of color temperature in a range from 2,000 to 10,000 Kelvin. It outputs 24,000 lumens and has a high CRI (95), which means that it offers high-quality and true-to-nature color reproduction. The KL Panel XL offers the same features but with an output of 44,000 lumens and the addition of multi-zone control for dynamic effects. Elation lights are sold in Germany exclusively by LMP Lichttechnik.

[www.elationlighting.eu](http://www.elationlighting.eu)

Photos © Audio Wert Veranstaltungstechnik





left to right: Alexandre Cadren (lighting designer), Christophe Pawliszko (managing director), Alexis Terrier (lighting tech), Guillaume Pawliszko, Pierre Vaillant (technician) and Geoffroy Croquefer (lighting designer)



## Creatiq gets PAINTE-ing with Robe

**Creatiq celebrated 2023 in style as the very first company in France to offer Robe's new compact and powerful PAINTE moving light in a rental fleet based in Noeux-les-Mines in the Hauts de France. The 12 new PAINTES are joined by 16 x new Robe LEDBeam 350s ordered simultaneously to complete a flexible and dynamic new investment package which has already been busy on numerous shows and events.**

Driving this move was Creatiq's Christophe Pawliszko, now the sole owner of the company he originally founded in 2006, then as one of six partners. Creatiq is known for its imagination and attention to detail. It supplies full production packages – backline, sound, lighting, structure, stages and video – for a diversity of shows and events from concerts to corporates, awards shows and other presentations and ceremonies. Typically Creatiq will also provide stage, lighting, sound and production design as part of

their full production service package, and this is what prompted Christophe to purchase the PAINTEs and the LEDBeam 350s. The small size, speed and enhanced features and versatility of both types of fixtures – and their compatibility to work in tandem as hard-edged and wash luminaires – make them ideal for the company's workflow and MO. Christophe already knew Robe fixtures were tough and reliable, as they had previously invested in some LEDWash 600s a few years ago, so he and his team of 5 full time employees plus regular freelancers were all certain that these newer products were “a safe bet.” “These lights are also in high demand,” he noted, adding that investment decisions are partly informed by demand. “People are definitely asking for them – PAINTE is an adaptable and well-engineered product that adds great value to our company.”

Another big bonus is that the PAINTE has been specifically designed for

lighting camera and video based environments with features like Robe's Cpulse™ flicker free management for HD and UHD cameras. Most events now will involve some degree of recording, streaming or broadcast element. They also liked the possibility of two gobo wheels and the framing shutters and the quality of light coming out of the fixture. Christophe is also very happy to be the first PAINTE rental fleet in France! “It's always exciting to be at the forefront of trends, and we are convinced that these products will soon be prolific!” he commented, qualifying that sometimes taking the risk on a new range of equipment can be outweighed by re-investing in kit with which you are familiar. “This is where we absolutely trust in Robe, the quality of their equipment, and naturally the excellent backup and support we receive from Robe France. We knew that PAINTES and LEDBeam 350s were absolutely the right move!”

[www.robe.cz](http://www.robe.cz)



## ETS Pro Lighting acquires innovative ROXX Cluster B2 FC LED Blinders



Corona, California-based ETS Pro Lighting, which specializes in concert touring, professional lighting, and equipment rentals, has invested in 24 ROXX Cluster B2 FC LED audience blinder/strobe/wash fixtures. The purchase marks the first acquisition of ROXX lighting by ETS. ACT Entertainment is the exclusive distributor of ROXX products in North America. "We're always looking to buy innovative products, and the Cluster B2 FC caught our attention at LDI 2022," says ETS Owner and President, Juan Alegria. "The first thing we noticed was their very clever interlocking system, which means the lighting designers we supply and support can be really creative with different configurations of the product. We also saw how extremely well built and how robust they are – they're really well made



German technology that will stand up to touring. Most of these fixtures on the market are only Warm White with no option for full color, so having that flexibility was great. And we didn't know of a similar fixture that was any brighter." Juan Alegria also liked the fixture's low power draw and its IP65 rating. Juan Alegria notes. "For companies like ETS, which do a lot of outdoor festivals, that's really important. It's essential not only for protection against the weather but also desert dust conditions. I know that an IP65-rated fixture will come back to me in the same shape as it left our warehouse."

[actentertainment.com](http://actentertainment.com)

## Jetbuilt bridges the silos in the AV industry

Jetbuilt, the global leader in AV project sales and management software, has announced a strategy to bridge the silos existing within the AV industry. While industry professionals recognise their software as the go-to tool for fast and efficient proposal generation and 360-degree project management, Jetbuilt's platform possesses more comprehensive capabilities. Ushering in a new era, Jetbuilt is focused on bridging the silos within the industry to foster better communication and collaboration, all within one easy-to-use and purpose-built platform. Along with providing the tools to build, sell, and manage projects with speed and efficiency, Jetbuilt's platform is designed to enable real-time communication across various roles. "Our software is not just for integrators and designers. End-users, manufacturers and distributors greatly benefit from Jetbuilt as well," explains Paul Dexter, chief executive officer for Jetbuilt. "Our company roadmap for 2023, and the demos we have planned for ISE, are focused on bringing project stakeholders together for the good of the project and the benefit of every party involved." Several scenarios highlight the power of Jetbuilt's software to bring isolated parties together. An end user can use the platform to outline functional needs on a room-by-room basis and share this request directly with a manufacturer or their independent consultant. Request for quotes are delivered within the platform to integrators. The discussion area allows requests for information to be privately shared among the bidders, consultants and clients. Manufacturers can engage through product fit, suggesting new values and offering incentives, while receiving insights on how and where their products are being installed.

[jetbuilt.com](http://jetbuilt.com)



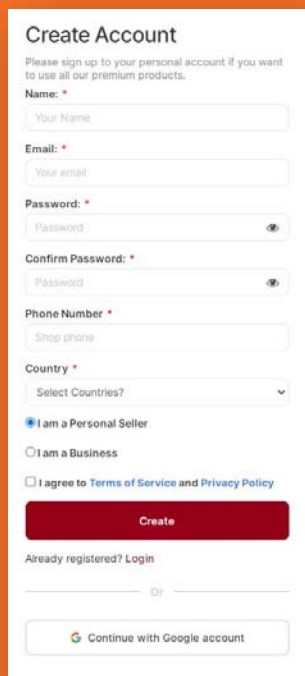


# NOW YOU CAN START SELLING ONLINE AS EASY AS 1, 2, FREE ... on buynsellAVL.com

## Introducing buynsellAVL.com, the easiest step to taking your business online with your own e-commerce store

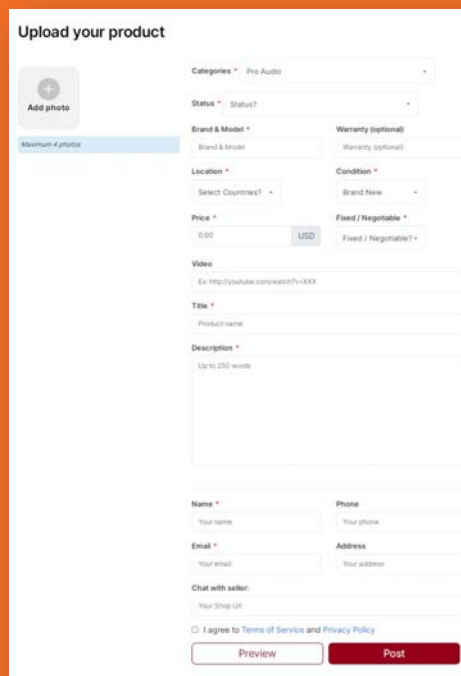
Unlike the usual Pro AVL (Audio/Video/Lighting) marketplace websites, buynsellAVL.com is not a strictly "used-gear" site. You can choose to create your own store as a personal or business account. In fact, this site is ideally suited for brands and distributors to have a very affordable e-commerce presence for directly sourcing the interest of new customers. And the best part is, we do it for a ZERO (0%) percentage commission. Stop waiting for the perfect time to start ... **START SELLING TODAY!**

### Step 1 — Create Account



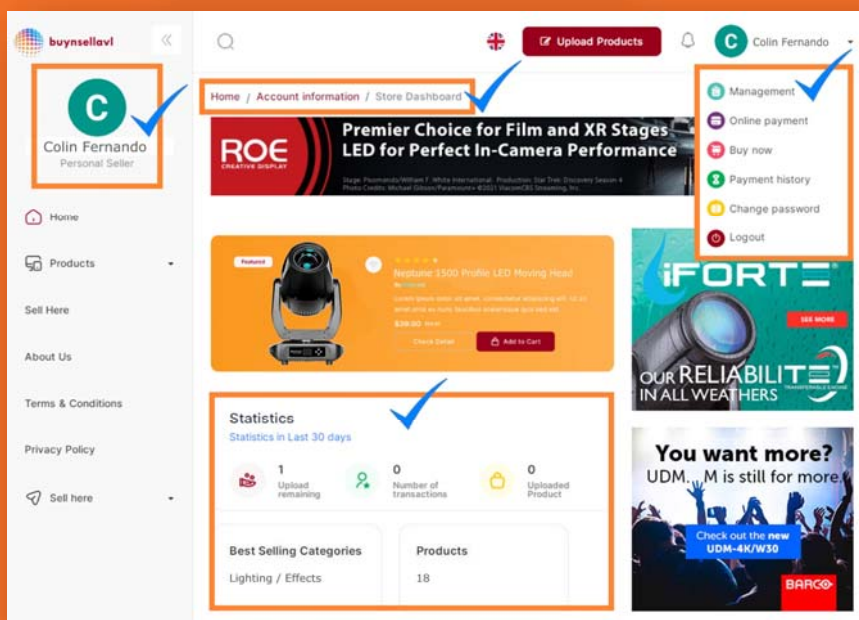
- Create your own Store for free
- Choose to have a Personal or a Business account
- NO credit card information and payment needed
- Click CREATE
- You are ready to start selling!

### Step 2 — Upload your product



- Up to 4 images
- Link a video
- List as:  
Brand New  
Like New  
Lightly Used  
Well Used
- Include your contact details for the buyer to contact you directly
- Click POST
- Your item is now looking for a buyer!

As a Personal or Business Seller, your Store Dashboard offers you with simple navigation tools so you can easily maintain and monitor all your previous and current sales transactions.



Click here

[WWW.BUYNSELLAVL.COM](http://WWW.BUYNSELLAVL.COM)





## Vari-Lite VL1600 Profile works psychedelic effects into El Monstero's Pink Floyd tribute



The much-loved St. Louis-based Pink Floyd tribute group El Monstero played seven sold-out nights at the city's The Pageant Theater backed by a fittingly psychedelic lighting design by Chip Self using Vari-Lite VL1600 Profile luminaires from Signify. Self, who is the founder of Midwest lighting production specialist Logic Systems, has been working with El Monstero for more than eight years. "The shows were very production intensive, incorporating audio, video, lighting, lasers and pyrotechnics," says Self. "Logic Systems invested in the VL1600 Profile, and I wanted to use them on this show because I needed a high CRI key light fixture that could keep up with the overall intensity of the show and maintain a stable look in a very wide variety of colors and light levels." Self's design included maximalism effects and hugely saturated colors for some of the most standout setlist tracks. "This can often make it very difficult to render skin tone," he says. "But the VL1600 did so extraordinarily well. The effects wheel combined with color mixing



allowed me to create an old school projection feel that was really cool. I try to push the limits of just how saturated and dramatic I can make a look, and the net result is some gorgeous overall looks."

[vari-lite.com](http://vari-lite.com) Photos © Keith Brake

## TD SYNEX Maverick appoints Andy Evans as Commercial Director

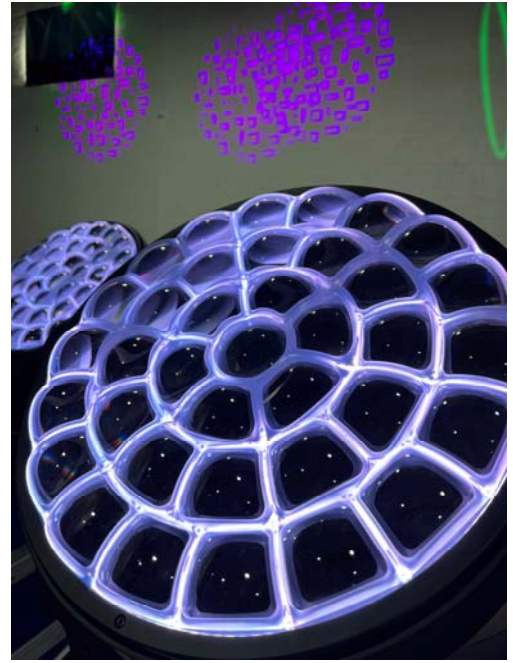
TD SYNEX Maverick, a specialist business of TD SYNEX has appointed Andy Evans as Senior Commercial Director for its European business. With over 30 years' experience within the AV/IT industry, Andy will lead the business strategy for TD SYNEX Maverick, working with a portfolio of best-in-class brands including Logitech, Absen, Crestron, Samsung, Lenovo, Avocor, Epson, Microsoft, Sony and now Zoom. Andy Evans, commercial director at TD SYNEX Maverick explains: "After years of working with



Maverick as a customer I'm very excited to be joining the European team at this pivotal time for the industry and business. Maverick holds the number one position for smart meeting and smart signage technology with an unrivalled portfolio within the channel. My focus will be to work with our partners to maximise the huge opportunities ahead."

[tdsynnex.com](http://tdsynnex.com)





## Kinetic Lighting expands rental inventory with Ayrton's Zonda 9 FX

Glendale, California-based Kinetic Lighting, Inc. has added 80 Ayrton Zonda 9 FX fixtures to its lighting rental inventory. ACT Entertainment is the exclusive distributor of Ayrton lighting in North America. Kinetic Lighting provides theatrical and studio lighting services worldwide in studio, corporate, exhibit, theatre and live-event markets. The company's range of services includes equipment rentals, sales, lighting design, Previz and related show services.

Zonda 9 FX is a versatile fixture that combines the main features of the Zonda 9 Wash with stunning 3D volumetric effects and complex LiquidEffect™ graphic effects.

"We hadn't been actively searching for new wash fixtures when Eric Abad, Western Regional Sales for ACT Entertainment, demo'd the Zonda 9 FX for us," recalls Kinetic Lighting President, David Rosen. "We loved it and realized it would be a great replacement for wash lights we had for years and were looking to phase out. When we evaluated the Zonda 9 FX purely as a wash light, it checked all the boxes. Then when we looked at its effects features, it checked all the boxes there, too with some effects we'd never



seen before. Zonda 9 FX is a really unique product: a good wash with beautiful eye candy. We felt a lot of designers and clients would be interested in it."

The fixtures recently arrived at Kinetic Lighting and have already been quoted on several projects. Rosen and his colleagues have been introducing the Zonda 9 FX to clients and the community and getting the word out on their availability. "We think their usage will run the gamut from corporate theatre and touring to film and television," says Rosen. "Part of their appeal to us was that we didn't feel the Zonda 9 FX was pigeon-holed to a certain segment of the market."

Kinetic Lighting has also boosted its first ever Ayrton purchase of Diablo-S fixtures to more than 120 units. "Diablo has absolutely proven to be the workhorse we thought it would be for theatrical, corporate, and film and television projects," notes Rosen. "Everybody is impressed by its output in a compact and lightweight fixture that doesn't compromise on features. We expect to continue expanding our inventory of Diablos."

In addition to its rental fleet, Kinetic Lighting is now selling Ayrton as well. "Ayrton is highly regarded in the industry and recognized as a real innovator, so we're proud to add Ayrton products to our line card," says Rosen. "People continue to be impressed with each new Ayrton product."

"ACT has been a great partner with us in both our rentals and sales," he adds. "We appreciate their support and keeping us updated on all the latest introductions and innovations from Ayrton."

[www.kineticlighting.com](http://www.kineticlighting.com)

[www.actentertainment.com](http://www.actentertainment.com)

[www.ayrton.eu](http://www.ayrton.eu)



## FC Production in Sweden invests heavily in PROLIGHTS

FC Production, an events supplier based in Sweden, has invested heavily in a mixture of brand-new PROLIGHTS fixtures, including 36x Jet Wash7, 16x Astra Hybrid420, 24x Smart BatPlusG2 and 8x EclFresnel fixtures. The new kit will go straight into FC's rental fleet and is already booked out to go on shows for the end of the year. "We decided to go with PROLIGHTS because of their vibrant and beautiful colour rendering, with high CRI values across all fixtures," said Christoffer Carpvik, Founder of FC Production. Christoffer added: "PROLIGHTS has a great sturdy and well-thought hardware design and the user interface between fixtures is very similar, making it an efficient workflow." When asked about the feature that impressed the most, Christoffer commented: "For me, it's the great design and the building quality. It's a well-made product made by professionals for professionals." Even though it's not the first time FC Production used equipment by the Italian manufacturer, it was their first significant investment into the brand: "For us, PROLIGHTS is a safe and reliable choice for our needs, as they put quality and good performance and the forefront of their research and development, and invest a lot in making lights with fantastic colour output. Not only that, but PROLIGHTS' price is very reasonable with a very fast delivery time, and we get great support from Gobo A/S, PROLIGHTS' distributor in Sweden. They have become our go-to brand for new equipment," said Christoffer.



[prolights.it](http://prolights.it)

## ArcPod fixtures illuminate Navantia Ferrol's shipyard

The Navantia shipyard in Ferrol, Spain, has used PROLIGHTS' ArcPod fixtures to illuminate their cranes. The public company has done lighting tests on one of the machines, which went from having the usual grey tone to varying shades, including blue, green, red and purple. The installation features 20 PROLIGHTS ArcPod 27Q and 7 ArcPod 15Q. In recent years, Navantia had already chosen to place lights in its Ferrol factory, although more straightforward and far from this year's display, which has triggered comments from the city's residents



who were able to see the splendour of the changes of colours on the crane. Navantia is very aware of the environment and for this reason for this project, they have chosen LED luminaires with extremely low energy consumption. There will be three lighting shows every day of the year and on special days such as Christmas Eve, New Year, Three Kings Night, Galicia Day, Saint Patrick's Day, Women's Day, etc. The system will be connected to a control centre where music and other cranes will be synchronized. The ArcPod series are compact, high-power exterior wash lights with a punchy output. The fixtures have 10W RGBW LEDs (twenty-seven on the 27Q and fifteen on the 15Q version) and a wide range of optics that shape the beam's angle to cover broad surface areas.

[prolights.it](http://prolights.it)





## LD Bobby Grey and KL Fresnel™ give retro vibe to Stephen Sanchez "Late Late Show" performance

**Lighting designer Bobby Grey of Notan Creative was brought in by 24/7 Productions to design a series of late night talk show appearances for singer-songwriter Stephen Sanchez and chose to incorporate Elation Professional's KL Fresnel 8 FC™ soft light as a retro look fixture in his design for a February performance on "The Late Late Show With James Corden."**

For the performance, LD Grey placed 10 KL Fresnel 8 FC fixtures on C stands for a vintage Fresnel backdrop look. "I just love a Fresnel and feel it really personifies light as art. A big Fresnel has this great vintage Hollywood feel," Grey stated, explaining that he originally tried to retrofit a classic 10" Fresnel with LEDs inside to get a color-changing glow but gave up on the idea. "Then I looked at another brand that has a similar light to the KL Fresnel but comes in a blue and silver casing. This wouldn't have worked for us as we wanted a clean, vintage feel," he says. "When my friends at Volt Lites told me about the KL Fresnel 8 FC and I saw the beautiful black casing and the rich color mixing, I knew this was the direction we needed



KL Fresnel™ 8 FC



to go." Ideal for broadcast applications that require high-quality, high-output soft light, the KL Fresnel 8 FC employs a 500W RGBMA LED engine (CRI 92) to emit a beautifully diffused wash of full-spectrum light that includes dynamic whites. Grey says the feature of the

fixture that was most important in achieving the look for Sanchez's performance was the "big beautiful lens that just gets soaked with color and light. We could glow it and keep it in bokeh as an art piece or blast them down the camera bathing the background in light and getting nice bloom on the camera."

Sanchez's "Late Late Show" performance was the designer's first time using Elation's KL Fresnel series but, he states, "it certainly won't be my last." He goes on to say that it is the company's penchant for listening to the needs of the market that has resulted in useful products like the KL Fresnel. "Elation has really made impressive strides by bringing in and promoting some key folks from our industry like Matthias Hinrichs, Eric Loader and John Dunn. They get our business and they get the people in it. We're a finicky, demanding lot who operate in a little niche industry and Elation's willingness to listen to our needs and preferences has resulted in the creation of some exceptional products."

[www.elationlighting.com](http://www.elationlighting.com)



## Daniel Thibault creates big looks on a small stage for BIG SOMETHING with CHAUVET Professional

A lot of lighting designers looked for ways to stay busy and productive during the pandemic lockdown. Daniel Thibault of Life is Art Studio found a number of means to do this; one was by lighting in-your-car-concerts at drive-in movie theatres, the other was by helping the Lincoln Theatre develop a “covid safe” seating plan that could be implemented when restrictions on live shows were finally eased. In the process, Thibault also figured out something else: how to get “the most lights possible” on the popular venue’s relatively small 24-foot wide by 20-foot deep stage, while still leaving room for a band. The fruits of his labor were on full display, as the Lincoln Theatre in downtown Raleigh hosted a three night concert series by the six-piece alternative rock band BIG SOMETHING. Fans safely seated in the historic theatre felt like they were seeing a show on a much bigger stage, as Thibault rocked the house with an intense, fast-moving show that featured, big sweeps of split beams, sharp geometric patterns and deeply textured gobos. Helping him accomplish this was a beefy, but compact rig anchored by 12 Rogue R2 Wash, 8 Rogue R2X Beam, and 8 Rogue R2 Spot fixtures from CHAUVET Professional. “The fixtures allowed us to get big looks on a small stage,” said Thibault. “Even though they’re compact, they have high outputs, which is very important. On top of that, they’re very versatile, which allows us to do more with fewer fixtures.”

[chauvetprofessional.com](http://chauvetprofessional.com)

Photos © bramblebrook.images and roanephography



## IIIMAGINE mixes music and light to capture Spirits of Flight with CHAUVET Professional



What would Leonardo da Vinci think if he were brought here? Mathias Roelandt pondered that question recently as he walked through the cavernous North Hall of Koninklijk Legermuseum - Musée royal de l'Armée (Royal Military Museum) where a wide collection of aircraft from different eras remains frozen in time. Roelandt and his brother, along with their team at IIIMAGINE, including lighting operator and LED: Michiel Goedertier, did indeed celebrate flight by turning the museum’s Aviation Hall into an electronic music space for three captivating performances. Setting up a stage amidst the aircraft they wove the entire hall into their shows with the help from over 60 CHAUVET Professional fixtures supplied by AB Sound. Key to helping IIIMAGINE creating an engaging atmosphere at Aviation Hall were the rig’s 18 Maverick Force S Spot and six Rouge Outcast BeamWash fixtures. Evenly positioned on both sides of rectangular-shaped hangar-like hall at the top of the wall where it meets the base of the building’s half-circle 60-meter high ceiling, these fixtures covered the space in light. Alternating between white and color palettes they sent currents of energy through the hall as they flashed to the beat of the music.

[chauvetprofessional.com](http://chauvetprofessional.com)



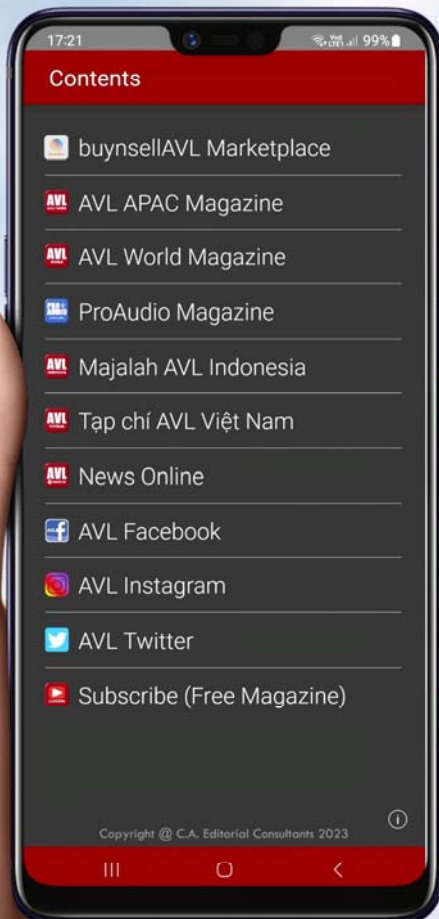
# MDG appoints RM Multimedia as new exclusive distributor for Italy

MDG is delighted to announce the appointment of RM Multimedia as its new, exclusive distributor for Italy. The new arrangement takes effect from 20 February 2023. RM Multimedia was founded in 2007 by Marco Bartolini, Ermanno Tontini and Paula Poroliseanu all of whom brought many years of industry experience to the company. Based in Cattolica (Rimini), RM Multimedia exclusively distributes many top brands of entertainment technology across the Italian market. Its 20-strong team is united by the same desire and ability to enhance the company's philosophy of providing the best quality service to each and every client. RM Multimedia is present throughout the country with the support of a network of 10 trained commercial agents who support local customers at every stage of the sales process. Added to this is the undisputed quality of the brands, making RM Multimedia a point of reference in the Italian market. "Having the opportunity to distribute MDG in Italy is for us an honour and a new challenge," says Paula Poroliseanu. "We are extremely happy and positive about this great new start."

[rmmultimedia.it](http://rmmultimedia.it)  
[mdgfog.com](http://mdgfog.com)



MDG's Nicolas Duhamel and Martin Michaud with RM Multimedia's Paula Poroliseanu



Got the **AVL** App?  
 Now available on your favourite device.





## ADJ USA expands Sales team with appointment of Luis Fermin

As part of its ongoing commitment to excellence in customer care, Entertainment Lighting equipment manufacturer ADJ has expanded its Sales team in the United States with the appointment of Luis Fermin as Technical Sales Support. Bringing to the role a wealth of knowledge and experience, Luis will strengthen the existing team, providing valuable technical support to customers both before and after orders are placed. Luis has already spent seven years working for ADJ, in the company's Customer Service Department, where he has developed an extensive understanding of the ADJ product line. His main focus in this new role will be ADJ's DMX software and hardware controller lines. He will provide internal technical support to the sales team as well as dealing directly with customers. On a daily basis, Luis will assist with incoming calls, providing advice on the most appropriate solutions to customers' requirements as well as carrying out technical trouble shooting. He will also help with product training, trade shows, and showroom appointments. "ADJ is a great company to work for, and I have learned so much over the past seven years," comments Luis. "I am very excited to share the knowledge that I have acquired in the ADJ Service department with our Sales team, and I am sure that it will be a great asset to implement in this new role. I'm looking forward to working alongside my new colleagues in the Sales department to improve sales, expand product knowledge, and ultimately help to grow the business."

[adj.com](http://adj.com)



ADJ's new 'Mini' Ellipsoidals

## ADJ appoints Fabio Deambrogio to develop business in Italy

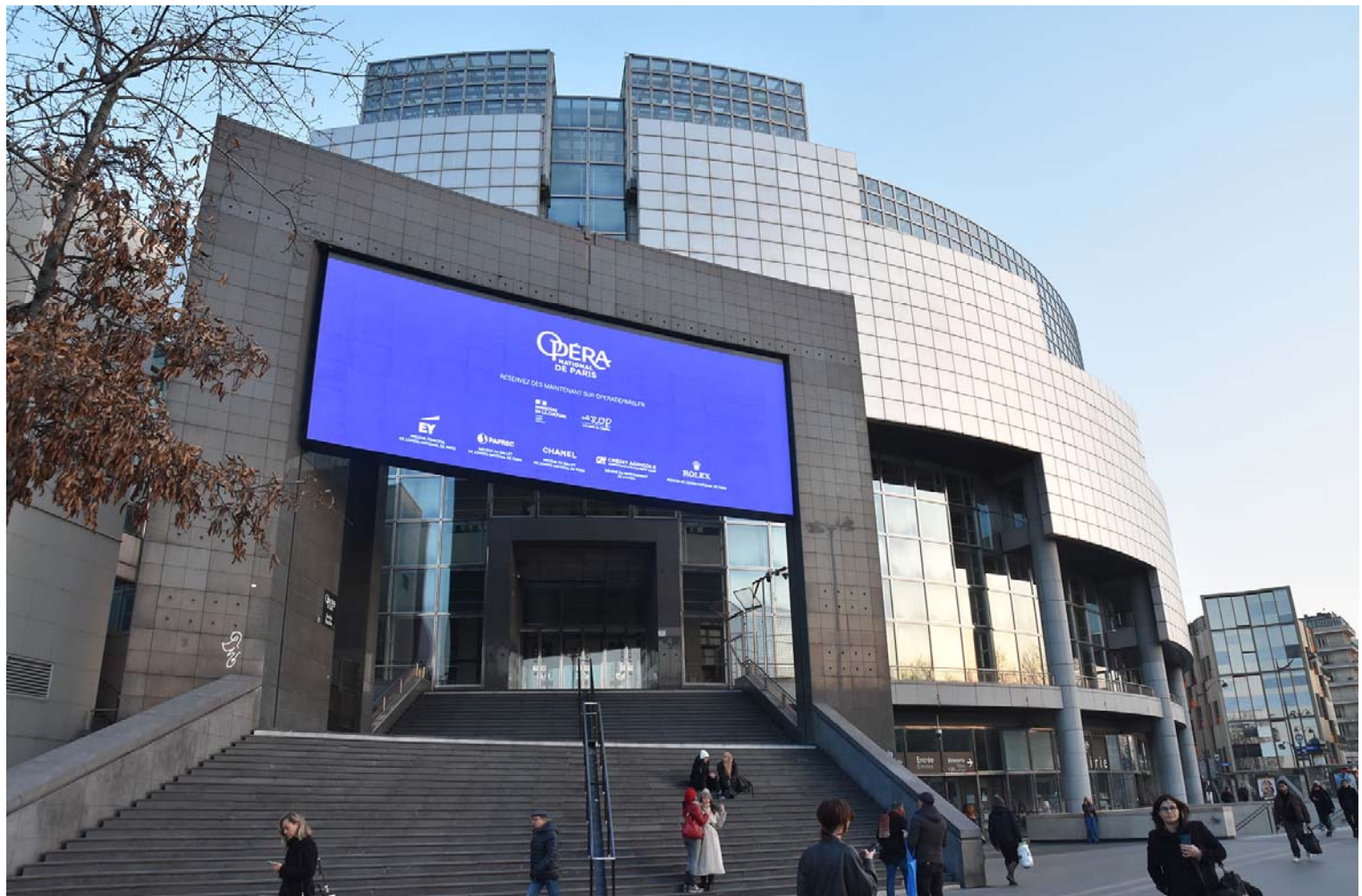
Bringing with him knowledge accumulated over more than thirty years in the industry, Fabio Deambrogio has joined ADJ Europe in the role of Business Development Manager for the Italian market. Working alongside ADJ's existing Sales Representatives in Italy, Fabio will focus on expanding the company's market penetration in the country's rental and production sectors. "I am very pleased and honored," declares Fabio [pictured top left and below], "that ADJ Group has chosen me to collaborate on such an ambitious project as developing the Italian market, which is still an important reference for all the manufacturers in the entertainment sector. One of the

primary goals that I will pursue with passion is to work closely with lighting designers, rental companies and installers to help them use our products to develop and realize their visual ideas." "As ADJ continues to grow across Europe, Italy is a market that we believe to have a lot of potential," comments ADJ Europe's Sales Director, Sebastian Mober [pictured top right]. "Fabio has extensive industry sales experience in the Italian market and has also worked within the production and rental sector. He knows what lighting professionals are looking for and is ideally placed to communicate the huge potential offered by ADJ fixtures to lighting designers and production managers in the country. The rest of the team at ADJ Europe and I are looking forward to working alongside Fabio to expand our market share in Italy over the coming weeks, months and years."

[adj.com](http://adj.com)







## T11 Profiles join T1s and T2s at the Opera National de Paris

As part an inventory renewal of static profile luminaires, the Paris Opera has ordered nearly 300 x Robe T11 Profile and T11 PCs, which will join the 200 x T1 and T2 Profiles already in place at the primary opera and ballet company of France.

All the fixtures are supplied via Alterlite, and like the T1 and T2 moving heads, the T11s will be distributed between the Opera's two landmark venues in the French capital, Palais Garnier and Opéra Bastille.

According to Jacques Giovanangeli, head of the lighting department at the Palais Garnier, "The T11 meets all the quality and performance criteria that we had set ourselves. "The luminous flux and colourimetry meet our requirements and the locking of the framing shutters ensures that they will not go out of adjustment when the booms are moved."

For Nicolas Beaud, head of the lighting department at Opéra Bastille: "We chose to replace the existing fixtures (halogen profiles and PCs), equipping our side booms with Robe T11s as part of the modernisation plan that involves switching to LEDs for the Opéra



T11 PC™

Bastille's lighting equipment. "The versatility of the T11 allows us to use the same projector body and replace the front lens to obtain a profile or a PC. The quality of the colourimetry and the manual shutter system is perfect for our very specific needs."

[www.robe.cz](http://www.robe.cz)

Photos © Robe France



T11 Profile™



## Chauvet acquires LynTec

In keeping with its mission of providing customers with cutting edge technological solutions, Chauvet has acquired LynTec, a leading global supplier of electrical power solutions for lighting, video, and audio systems. Founded in 1982, Lenexa, Kansas-based LynTec is widely known for its advanced lighting control panels, with these products installed well over 10,000 sites throughout the world. "With the addition of LynTec to our group of companies, we will be able to offer our customers a complete solution that embraces lighting, video, show programming, and control at every level from the creation of a design, to the control of power at an installation," said Albert Chauvet, CEO of Chauvet. "We not only value LynTec for its technology, we've also been very impressed by the company's ongoing commitment to improving its products and level of service to customers. In this respect, it mirrors the same values that have powered the growth of Chauvet." Like Chauvet, LynTec has been dedicated to offering effective value driven solutions to every segment of its markets. For example, in the House of Worship market, its panels have been used at Saint Patrick's Cathedral and Church of the Highlands, as well as at churches serving only a small number of worshippers. The same diversity is also very evident in its mix of theatrical, sports center and entertainment venue business, as its products are found in NHL arenas, as well as at high school auditoriums. "We are very excited to be joining the Chauvet family based on our shared commitment to providing excellence to our customers in all facets," said Mark Bishop, President of LynTec. "The synergies between the two companies will enable us to continue developing outstanding products while providing unmatched customer service and project solutions for our current and future customers." In addition to lighting control panels, such as the award-winning LCP Lighting Control Panel, LynTec makes remote control circuit breaker/relay panels, and Pro AV control panels. As it's grown, the company has continued to develop innovations. At LDI 2022 it introduced the highly acclaimed PDS-12 Sequencing Relay Panel and Smart Switch Sets. Given this commitment to innovation and customer, LynTec should find itself right at home at Chauvet.

[chauvetprofessional.com](http://chauvetprofessional.com)



## Vectorworks and grandMA3 viz-key for South African lighting designer

Renaldo van den Berg, a South African Lighting Designer and owner of Tryfer Industries has come to rely on Vectorworks for his designs and drawings. He recently upgraded to Vectorworks 2023 and has also invested in a grandMA3 viz-key from DWR Distribution to assist his pre-programming workflow. "The overall plan for my business was to have the Vectorworks design software, as most of my work comes from designs and drawings which I then execute," said Renaldo who established his business in 2020. His long-term goal is to invest in a grandMA3 console. "Dylan Jones and Jade Manicom from DWR Distribution were very helpful and we had many phone calls," he smiles. "As a small company owner, I don't have gear and go from show to show as a freelancer. This was a large investment and a big decision to make, but looking back, I should have done it last year already when events were going crazy." Renaldo is no stranger to Vectorworks Spotlight, having previously worked on the 2017 version, and he has found the upgrade life changing. "There are so many new features and improvements such as the 'Shaded option' where you don't have to have to download a detailed render to see what you have drawn. It allows you to see things like the beams and fixtures," he explains. "It's so much quicker and quite something!"

[dwrdistribution.co.za](http://dwrdistribution.co.za)



Renaldo van den Berg, a South African Lighting Designer and owner of Tryfer Industries (second left) with DWR Distribution's Duncan Riley, Jaques Pretorius and Jade Manicom





## Ayrton festival fun in Switzerland

**Ayrton teamed up with established Swiss rental companies to support festivals across the country and showcase some of Ayrton's latest groundbreaking fixtures.**

Stagelight AG Showtechnik supplied kit to the largest hip-hop festival in Europe at Frauenfeld, the Gurten Open Air festival in Bern and Schaffhausen's Stars in Town across July and August.

Stagelight AG Showtechnik used the same equipment package from Ayrton for each festival: 16 x Zonda 9 FX; 16 x Cobra and 4 x Domino LT with every fixture adding its own unique features to the stages. "Each of these fixtures brings a new dimension to meet open-air design challenges," opens Stagelight's Stefan Rüttimann. "We have a long and mutually trustworthy relationship with Ayrton, and having Marc (Lorenz - Ayrton Designer Relationship Manager for Europe) on board gave us the confidence this kit would really perform for us across all three festivals – and they didn't disappoint! "At Frauenfeld, Zonda 9 FX provided an excellent solution for that essential fill lighting - particularly for floor/ groundrow effects that can

provide perspective and effects. I loved its LiquidEffects™ layers which give a really exceptional background. Plus, they are so, so bright - AND you have the endless pan and tilt features which, for hip-hop, is great. This was my first experience of the Zonda but it certainly won't be the last."

They then took the Ayrton kit to Bern for the Gurten Open Air Festival. Bertil Mark, LD for Die Ärzte, is no stranger to the Zonda 9 FX and was able to make extensive use of the LiquidEffects™. The results really showed what Zonda 9 FX can do in the hands of someone familiar with the fixture. At Frauenfeld, Cobra supported Zonda 9 FX's role of filling the stage and giving a huge look to enhance the single artists on stage.



Rigged over the main stage and on the floor in both wings, the Cobra were put to work as both beams and spots.

The third Ayrton fixture Lorenz accompanied on their festival journey was Domino LT (Long Throw) which emits a massive 51,000 lumens and is designed for intensive outdoor use in any adverse weather. With a precision beam range of 3.5o to 53o the Domino LT is the perfect tool for stadiums, large arenas and, of course, festivals. The Domino LT fixtures were employed as audience lighting at Frauenfeld, but the team also tested it as a followspot in conjunction with the Follow-Me system; all agreed they were an unrivalled success, knocking previous solutions out of the park.

"Once we had successfully tested Domino as a followspot fixture at Frauenfeld, we knew they would be the perfect followspot choice at the Stars in Town festival in Schaffhausen, replacing conventional followspots on spot towers," says Lorenz.

[www.ayrton.eu](http://www.ayrton.eu)



## Claypaky Sharpy Plus Aqua fixtures open the flood gates on Gwar's North American Tour

Heavy metal band Gwar wrapped the fall North American leg of their "Black Death Rager World Tour," in which Claypaky Sharpy Plus Aquas played a key and unusual role. The tour marked the third for Nick Drake as the band's Lighting Designer; he is also a Light Technician with Richmond, Virginia's Lite-Tek Entertainment, a lighting rental and production company which supplied the fixtures. Sharpy Plus Aqua fixtures add an IP66 rating to the award-winning Sharpy Plus platform, making the moving heads perfect for outdoor events and challenging environments that call for beam and spot luminaires in a single, flexible package. A Gwar tour, as fans have come to expect, is a very challenging environment indeed.

"Massive amounts of liquids are used in the show," says Drake. "We went through three 30-gallon tanks of water every night for part of the show. I had four Sharpy Plus Aquas upstage and two downstage in the splash zone, but all six were consistently soaked. All of them really needed to be protected against water. The Sharpy Plus Aquas, with their IP66 rating, made perfect sense." Drake explains that "Berserker Mode," at the end of the show, featured a 10 x 7-foot alien monster and flying intergalactic fluids. "The spots let me create really big looks for this scene no matter if we were playing in a small club or at the Blue Ridge Festival," Drake says. "And the IP rating was a necessity here. "I liked how the Sharpy Plus Aquas meshed with every rig I had, no matter what the stage," he continues. "They were never too overpowering or underpowering. They're just like Sharpy Plus but waterproof!"

[claypaky.com](http://claypaky.com) Photos © Nikkie Marie



## Claypaky Mini Xtylos HPEs are a winner at Supercell's Clash Fest e-sports tournament in Helsinki

Lighting Designer Fredrik Jönsson of Eyebrow Designs AB used 30 Claypaky Mini Xtylos HPE fixtures to illuminate Supercell's annual joint tournament for the "Clash of Clans World Championship" and the "Clash Royale League World Finals" at Clash Fest, held at the Helsinki Expo and Convention Centre. Jönsson explains that the tournament's set design by Sami Ylikahri and Jonathan Maxwell did not feature the usual "wham-bam e-sports lighting with lots of beams, contrast and huge LED walls," but instead "looked more like the environments existing in the games, so the lighting needed more of a natural look and feel." He selected 30 Claypaky Mini Xtylos HPEs, the small form factor fixture with Claypaky's innovative and proprietary RGB laser source. "I opted for Xtylos first, since I had worked with them before and knew what they could deliver in terms of intensity, but there was an availability problem. So the supplier, Creative Technology Finland, asked if we could switch to the Mini Xtylos HPEs instead." Jönsson positioned the fixtures in a long row above the large center LED wall to achieve a roof of colored beams over the entire set. He found that "considering their extremely small footprint, the punch they delivered was just crazy! Working with Jönsson was Lighting Operator/ Programmer Danne Persson. Jussi Sibelius was the Technical Producer for lights and screen and Otty Tyyskä the Assistant Technical Producer. MSONIC Sound & Vision is the Claypaky Distributor for Finland

[claypaky.com](http://claypaky.com) Photos © Aki Rask







## Alice Merton takes GLP impression X4 Bar 20 on S.I.D.E.S. European tour

**In mid-2022, Alice Merton released her second studio album, S.I.D.E.S. After a few dates in the USA, she began her European tour. LD Tobias Schwietz took 12 GLP impression X4 Bar 20 with him on the trip.**

The idea behind the lighting and stage design was primarily about creating as tidy a look as possible, with little visible technology on the stage. As the designer explains: "We basically worked with the three classic layers of light – of 'alley' light (side lighting at head height), backlight and backdrop lighting so we could give depth to the stage, and create three-dimensionality in the backdrop. The whole show is characterized by strong backlighting, silhouettes and strobe effects. The backdrop – featuring a coloured sky with Alice's initials in front, made of two-metre-high wooden letters – form

one of the main elements. The show starts off very dark and gets brighter and happier as it progresses. This is intended to illustrate different phases of life – from panic, fear and madness to light-heartedness and happiness."

The impression X4 Bars are used by the designer to illuminate the entire surface of the backdrop, but also as backlight and alley light. The backdrop is provided by eight X4 Bars placed in a row on the floor, while two vertically stacked Bars each on the left and right near the edge of the stage create the side lighting. Tobias Schwietz explores all the possibilities of this GLP classic in single pixel mode. "For the flat backdrop illumination, I pull the zoom all the way up," explains the designer. "With the help of the single pixel control, movement can be brought into the sky, so that the impression of animated

clouds is created. The Bars offer a contrasting look when they shine in the opposite direction and with a narrow or wide zoom in the direction of the audience. The narrow zoom creates a modern look, which also reveals a certain mysticism through slow tilt movements. On the other hand, with the zoom open, there is a super even wash across the entire width of the stage."

Schwietz also plays with the creative diversity of the impression X4 Bars in the alley lighting: "In the dark beginning part of the show, the devices only produce narrow, symmetrical walls of light in order to put the artist in the spotlight. Various dimming effects create further drama. Later in the set, I zoom in more and more, so that the band is also illuminated and everything seems brighter and more joyful. With a very narrow beam, the X4 Bars placed on the side also serve as a blinder/effect light in the direction of the audience."

As part of the album promotion, a live stream show also took place in the summer, for which lighting designer Patrick Rabus used 16 impression X4 Bar 20, 11 XDC1 IP Hybrid and eight JDC Line 500.



impression X4 Bar 20

[www.glp.de](http://www.glp.de)

Photos © Cadopol & Unlast Films



## CHAUVET Professional and 4Wall Help Tom Kenny reflect diverse Latin Grammys in light

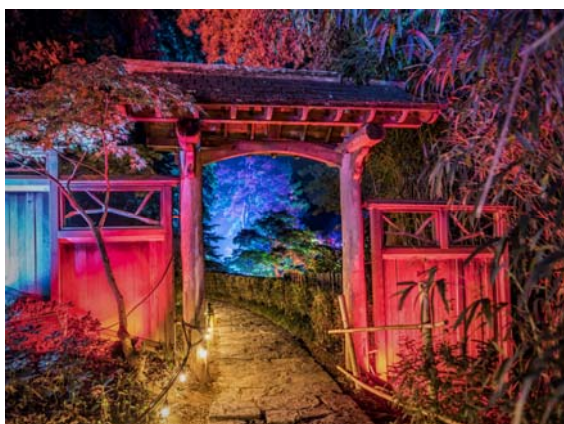
The 23rd The Latin Grammy Awards, which took place at the Mandalay Bay Resort's Michelob Ultra Arena, defied easy categorization, being big, bold, and sensuously stunning one moment, then delivering soft, intimate moments the next. This was evident right from the start of the three-hour show, as it began with a brief, but intense display of light and background music, before segueing into a beautiful, heartfelt tribute to "Person of the Year" winner, the iconic Antonio Solís, by three of the event's co-hosts: Thalía, Luis Fonsi and Laura Pausini. Regardless of the image it projected, each element of the diverse program flourished for the live audience, as well as the millions watching on television, thanks to the collaborative efforts of Univision set designer Jorge Domingues, and lighting designer Tom Kenny.

"Jorge and I worked very closely together," said Kenny. "On a show this large, there has to be a huge amount of collaboration. We filled and complimented one another's work. I added lighting to all of the initial renderings, so we could create different moods and extend the scenic elements." Helping Kenny achieve this vision at The Latin Grammy Awards was an extensive collection of CHAUVET Professional Maverick MK3 Wash fixtures, Color STRIKE M motorized strobes and COLORado PXL Bar 16 tilting battens in a rig supplied and installed by 4Wall Entertainment. To keep coverage and color smooth and consistent on the set, Kenny relied on his rig's 133 Maverick MK3 Wash fixtures. Adding form to the stage were the rig's COLORado PXL Bar 16 fixtures.

[chauvetprofessional.com](http://chauvetprofessional.com)



## Lighting & Sound Company create embracing experience at Maymont Garden Glow



No one knows exactly how many plants and trees grow in the 20 acres that the historic Maymont Estate Park set aside for its popular "Garden Glow" walk-through event. One thing is certain however, each and every one of them charmed visitors by glowing invitingly in an enchanting field of light. Jonathan Blake and the crew at The Lighting & Sound Company made sure of that! Helping Blake and the design team achieve their all-inclusive vision in this naturally beautiful space of was an extensive and carefully planned lighting system anchored by over 300 CHAUVET Professional fixtures from The Lighting & Sound Company's own inventory. "All of our intelligent units were CHAUVET Professional, and all were IP65 rated, which was critical given that this was an outdoor event that ran for three weeks," said Blake. The design team used 10 universes of DMX there, installing networking around the perimeter and sending sACN from the show control headquarters to strategically placed DMX nodes. According to Blake, the 52 COLORado Panel Q40 fixtures in his rig were especially important in helping the design team light the area and objects around the attraction's large lake. Providing immersive color washes throughout the space were 163 COLORdash Par H12 IP units and 40 COLORado 1QS fixtures. Adding to the magical effect were 22 Ovation E-260WW ellipsoidal units, almost all of which were used to project gobo patterns onto scenic elements. The design team also used an additional 24 DMX universes to run 40 ÉPIX Strip IP units and other fixtures.

[chauvetprofessional.com](http://chauvetprofessional.com)

Photos © Dave Parrish Photography



**ROE**  
CREATIVE DISPLAY

**INTEGRATE**  
PROFESSIONAL

Bringing LED-based Solutions for the  
AV and Media Technology Industry

# WELCOME TO OUR BOOTH AR-C10

16-18 MAY, 2023

DUBAI WORLD TRADE CENTRE

YOUR STAGE. OUR PASSION



## ROE Visual premieres at Integrate Middle East

ROE Visual will participate in the Integrate Middle East exhibition, focusing on the ME market. The Integrate ME and CABSAT exhibitions create an excellent platform to connect with existing customers and partners and actively reach out to new connections in this region. The team will showcase products for the integration and the broadcast market verticals. ROE Visual will be at Stand AR-C10.

Integrate Middle East is a premier forum and sourcing platform for the global professional AV & Media Technology community, connecting technology leaders with integrated solution buyers from the intersecting worlds of Education, Media, Entertainment, Hospitality, Retail, and Communication. This year, the show will be held from May 16-18, 2023, in Dubai, UAE.

Showcasing its LED-based products and technologies for the various market verticals ROE Visual serves, the booth will focus on AV integration, events market, and broadcast applications. Bringing various ROE LED products to the exhibition floor, ROE Visual will

present several of its AV integration products, like the Amber and Opal LED platforms.

The booth will also feature a virtual production area. The Black Marble BM4 and the Black Pearl BP2V2 will provide the perfect visual canvas to showcase the ground-breaking GhostFrame technology. In addition, some of ROE's products for the rental market will be presented, such as the highly popular Vanish V8T and the high-end Ruby platform. A Megapixel VR LED processor will be powering the LED screens on the booth, along with the disguise VX4 media server which will manage content distribution. The ROE Visual team is very enthusiastic about connecting with industry peers. "Integrate ME offers the perfect opportunity for our team to connect and reach out to the Middle East market. Our presence here signifies the importance of this market for us. It's great to discuss our state-of-the-art LED display solutions first-hand and connect directly with the visitors. We're eager to meet you at our booth to discuss your requirements and explore new business opportunities," states Khalid Sweidan, Vice President of Sales in the Middle East and Africa.

### Products on Display at Integrate Middle East 2023

**Black Pearl BP2V2** – These highly regarded LED panels have been an essential component of many virtual production stages around the world. The BP2V2 panels boast high color accuracy and optimal in-camera performance that industry professionals have come to count on. The panel produces breathtaking visuals even in challenging circumstances.

**Black Marble BM4** - The Red Dot Award-winning Black Marble LED floor panel is widely used for live events and broadcast applications. Offering a high-contrast glass or matte finish, these floor panels are ideal for a variety of creative applications.

**Amber 1.5** – The panels support uncomplicated installation, adaptable design, and easy, low-key, and low-cost maintenance that go hand-in-hand with high-end performance and unequalled visual qualities. The LED platform offers simplified installation, versatile design, and low-key, low-cost maintenance, while providing outstanding performance and unmatched visual quality.

**Opal 1.2** - The Opal LED platform is renowned for its remarkable visual performance. Featuring black LEDs, the canvas offers a high contrast ratio and wide color gamut, delivering a stunning high-definition viewing experience with unparalleled color accuracy.

**Vanish 8T** - Boasting a transparency of 50%, the Vanish V8T LED panel delivers exceptional performance in outdoor settings with its high brightness and wide viewing angles.

**Ruby 1.5** - The Ruby RB1.5 offers an impressive 1.5-pixel pitch LED panel featuring 4in1 LED technology. Enjoy stunning visuals with its advanced LED panel, delivering a wide viewing angle, high contrast, and minimized reflection.

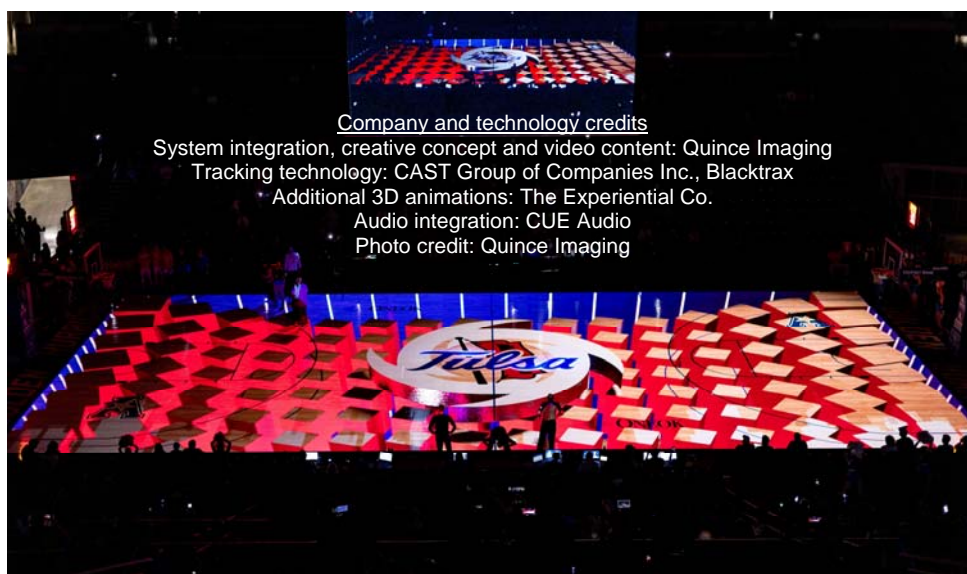
[roevisual.com](http://roevisual.com)



## Quince Imaging adds projection magic to Tulsa basketball with PIXERA

For over 25 years, the Virginia based Quince Imaging team has regularly taken live event experiences to the next innovation level through the ingenious use of the latest high-quality video and imaging technology. As an early adopter of projection mapping technology in particular, Quince Imaging pioneered the use of real-time rendering and projection technology in many of the US's professional sports leagues. In early December 2022, they helped the University of Tulsa to debut one of college athletics' most cutting-edge projection mapping system setups ever. The powerful combination of four Christie Digital D4K40 laser projectors, AV Stumpfl PIXERA media servers, BlackTrax tracking, CUE Audio integration, and Quince's original 3D content created an extremely impressive live-event experience. As part of the system setup, the QI team also honoured the 50 year legacy of the legendary "Pong" by developing a custom paddle ball game that helped fans feel closer to their team by allowing them to interact with projections on the basketball court. It was the first time that Quince Imaging used AV Stumpfl's PIXERA real-time media server system for one of their projects.

[pixera.one](https://www.pixera.one)



### Company and technology credits

System integration, creative concept and video content: Quince Imaging  
 Tracking technology: CAST Group of Companies Inc., Blacktrax  
 Additional 3D animations: The Experiential Co.  
 Audio integration: CUE Audio  
 Photo credit: Quince Imaging

## Stage Audio Works bring demonstrations to life with SA Van Conversions

Durban-based, SA Van Conversions is an established panel van conversion company that produces top-quality modifications across South Africa and the SADC countries. As part of a recent project, SA Vans Conversions teamed up with Stage Audio Works to deliver a fully AV-equipped touring bus for KwaZulu-Natal Sharks Board Maritime Centre of Excellence (KZN Sharks Board for short) to utilise during their live demonstrations, which include the dissection of a shark in front of their audience. Stage Audio Works were brought in to design and install a complete AV system for the touring truck which opens up to create a full stage complete with integrated PA and large video screen. Stage Audio Works specified a Plus Audio and Pixel Plus solution to handle audio and video respectively. In this ever-increasing technological era, these tools help to immerse and engage audiences – especially younger generations. The company also supplied a

full DJ Setup, comprising a professional grade Denon DJ system, along with a pair of Plus Audio M13 stage monitors. SAW also supplied a Sennheiser EW100 G4-835-S handheld wireless system, paired with an additional corded E835 microphone. Finally, Stage Audio Works provided a range of Stage Plus flight cases to protect the equipment whilst on the road, specifically for the Denon DJ equipment, the amplifiers, the microphones and the digital mixing console.

[stageaudioworks.com](https://www.stageaudioworks.com)

[savans.co.za](https://www.savans.co.za)

[shark.co.za](https://www.shark.co.za)





## Creative Technology unveils Systems Integration division, CT SI

As a global provider of technical solutions for the event, experiential and installation markets, Creative Technology, take its place amongst the world's leading technology innovators to officially unveil its Systems Integration division to the

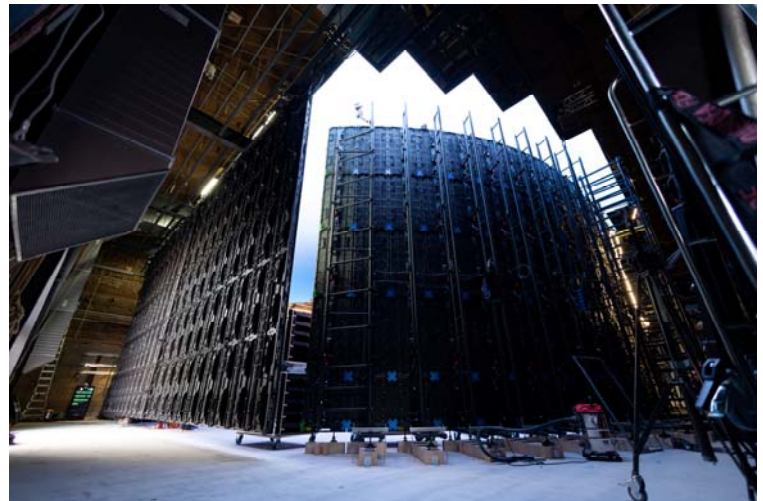


market. "Creative Technology is well-known for its spectacular productions in the world of live events, but even though our work in the systems integration market has been happening for some time now and is equally impressive, so far it has been much less visible to the market," says Dave Crump, CEO at CT EME. CT SI has completed multiple projects in immersive and experiential venues as well as sports, corporate, high end residential, retail broadcast/XR and studios. The CT SI stand will showcase some of the company's outstanding installations, with LED screens displaying a showreel of projects from across the globe, from spectacular installations to virtual production stages. Team members from CT SI's extensive global network will also be on hand to welcome visitors to the stand and offer the opportunity to discuss their forthcoming projects in more detail.

[ct-group.com/si/](http://ct-group.com/si/)

## Creative Technology builds unique 360° Shortcut LED Stage at Nordisk Film's HQ in Copenhagen

Creative Technology has worked alongside the Nordisk Film-owned VFX and post-production company Nordisk Film Shortcut to create the Shortcut LED Stage – a full 360° LED stage, 16 metres in diameter and six metres high, with walls and ceiling completely covered with LED panels. The new stage allows film makers, production companies and other visual storytellers to shoot and tell stories in a flexible, creative, cost-effective and environmentally friendly way. From alien planets and fantasy worlds, to underwater shoots, vast deserts, and vibrant cities from across the world – Shortcut LED Stage is perfectly suited for commercial shoots where actors, sets and props can be filmed in unique stylistic worlds, or far-off locations can be easily recreated. Work began with the preparation of the building and the floor for the installation, which weighs in at over 33 tonnes. First, a steel structure was set up as a framework in which the rest of the construction could be assembled. Cabling was pulled out and rack rooms were built. The first delivery of LED panels arrived in July, with a 14-strong team from CT working on building the giant LED volume. The final LED construction consists mainly of ROE Black Pearl BPv2, but ROE Carbon Black and Roe Black Marble 4 Matte panels were also used, the latter for the floor. These screens were chosen thanks to their renowned in-camera performance, as they have a refresh rate that minimizes the risk of moiré and other disturbances in the camera image. CT was also responsible for the installation of the disguise media servers, which play the graphics on the LED screens. A total of nine units were installed, with five RX2s rendering the graphics which are then sent to four VX2s, which in turn send the content to the LED processors.



Work began with the preparation of the building and the floor for the installation, which weighs in at over 33 tonnes. First, a steel structure was set up as a framework in which the rest of the construction could be assembled. Cabling was pulled out and rack rooms were built. The first delivery of LED panels arrived in July, with a 14-strong team from CT working on building the giant LED volume. The final LED construction consists mainly of ROE Black Pearl BPv2, but ROE Carbon Black and Roe Black Marble 4 Matte panels were also used, the latter for the floor. These screens were chosen thanks to their renowned in-camera performance, as they have a refresh rate that minimizes the risk of moiré and other disturbances in the camera image. CT was also responsible for the installation of the disguise media servers, which play the graphics on the LED screens. A total of nine units were installed, with five RX2s rendering the graphics which are then sent to four VX2s, which in turn send the content to the LED processors.

[ct-group.com/si/](http://ct-group.com/si/)





## Getting Extreme with Robe

**Getting Extreme with Robe German event technology service provider DLP Motive supplied full technical design and production – staging, automation and kinetic elements, lighting, sound, video, and LED screens – to ESL Gaming for the 10th anniversary of the Intel Extreme Masters (IEM) e-gaming tournament, including two three-day events staged at the 10,000 capacity Spodek Arena in Katowice, Poland, and the 18,500 capacity Lanxess-Arena in Cologne, Germany.**

Striking lighting designs by Andreas (Andy) Mohl for these two events included over 250 x Robe moving lights, part of 15 trucks worth of production kit that helped ensure the delivery of a colourful, adrenalized, all-action three days of superlative e-gaming enjoyed by both live and streamed audiences.

The Robe luminaires included 48 x ESPRITES, 70 x Spiiders, 60 x LEDBeam 150s, 54 x Pointes and 22 x MegaPointes, and the event included all the games and associated elements plus a series of live show segments which were presented onstage in the Arena.

Starting points for these two stage and lighting designs included presenting the show and players who were right at the centre of the action; and simultaneously ensuring the whole ‘being there’ experience was memorable for the live audiences. Highlighting the artist segments onstage was a big part of this objective. Over 400 square meters of LED screen were integral to the set and staging which followed the same concept but was physically different for the two events.

In each case, the venue’s rigging capacities were also a consideration, and this dictated the front truss positions. In Katowice, these were hung so they resembled a circular shape to spread the weight, with fixtures additionally rigged to the building’s structural columns above the upper balcony to maximise audience coverage.

These and a range of around 300 other moving and LED lights and effects were all programmed and ran by Andy on two grandMA3 consoles.

In Cologne, a large central LED screen was flanked by five LED columns, and



in between each of these were ladder trusses rigged with a combination of LEDBeam 150s and generic blinders. The 20 LEDBeams per ladder closed the gap between the columns and the LED walls and effectively extended the overall LED area, giving an epic widescreen look.

Working closely with Andy on the ground included DLP Motive project manager Moritz Finke, lighting systems tech Alexander Bajew and lighting tech Max Waldmüller.

[www.robe.cz](http://www.robe.cz)

Photos © DLP Motive



## Martin Dudley sets sail on Bellowhead Broadside tour with CHAUVET Professional



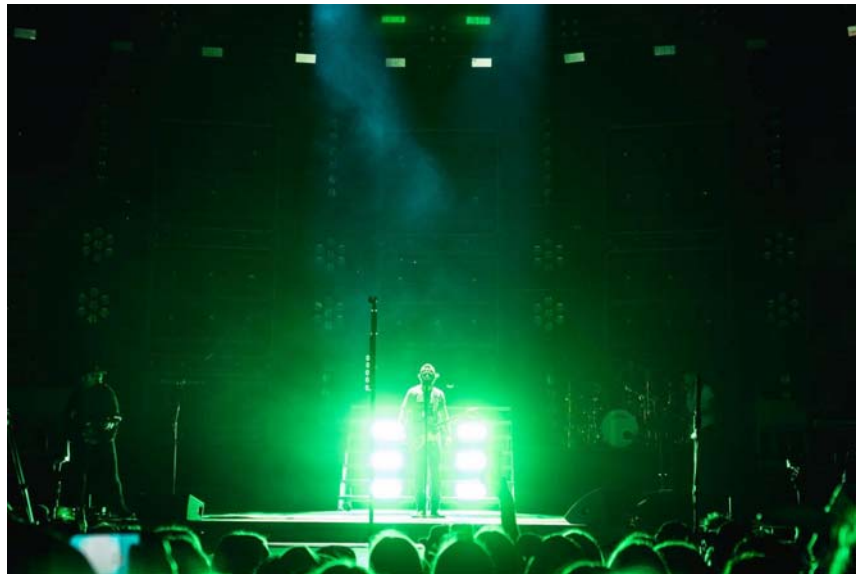
Imagination sets sail in the sea, according to a familiar poetic refrain. This creative spirit was unfurled recently for Bellowhead's UK tour, a magical 18-city voyage that celebrated the tenth anniversary of the band's iconic Broadside album. Contributing to this engaging panorama was a very flexible and dynamic Martin Dudley design that featured CHAUVET Professional Rogue R2X Wash fixtures that were recently added to the inventory of Martin's Lights Ltd. Flown over mid-stage, the RGBW moving fixtures were used to enliven the stage's 12m wide by 6m high backdrop with a variety of rich colors, a task they had no trouble accomplishing thanks to their high output. "I had a specific lighting objective that needed to be met on the tour," said Dudley, "and the R2 Washes were the right tool to accomplish it. In the past, I've used these fixtures as part house kits on a number of occasions and have been very happy with them. The R2X has greatly increased the versatility of my kit." "Once I got over the terror of not needing to light the face of every musician at the very start of the show, I really enjoyed taking advantage of the creative opportunities. I liked the silhouette looks, especially in the song 'Byker Hill,'" said Dudley, who ran his show on a ChamSys MagicQ MQ80. Working with tour manager Adam Maughan and lighting technician, Chris Davey of Touring Electrics Ltd., Dudley relied on a variety of techniques to create visual complements to the different dimensions of the show. He sometimes introduced dramatic new looks to his design through silhouettes.

[chauvetprofessional.com](http://chauvetprofessional.com)

## CHAUVET Professional helps Alec Takahashi connect Thomas Rhett to crowd

Location, they say, "is everything" in retailing; well, it's pretty important in live touring too. Just ask Alec Takahashi, the long-time lighting designer for country superstar Thomas Rhett. Reinforcing the connection between the star and his fans on both stages, while also pumping up the energy level for his dynamic songs, were 24 CHAUVET Professional STRIKE 4 warm white blinders, which, like the rest of the fixtures on this 30-date tour, were supplied by Upstaging, Inc. Evenly spaced on three tiers of curved downstage truss, the high-output four-pod fixtures provided a level of crowd lighting that engaged a large share of the audience, even at the spacious arenas and amphitheatres on the tour. Supported by an "excellent and close team" that included John Bahnick, Kile McClure, Nick Schlosser, Aaron Walchli, Tony Quinn, Ricky Krohne, Rob McLaughlin, Scott Moore, Kevin Twist and BKD Creative, Takahashi did far more than engage the crowd with audience lighting. He also created a deeply emotional aura on stage through the artful use of color. Takahashi also created a special aura around Thomas Rhett by spotlighting him from multiple directions at different points in the show. "Some moments of the show called for all attention to be on my artist," he said. "At such times we dramatically dropped everything else we had on stage and used our fixtures to draw attention to Thomas Rhett. Then, at other times, we'd change the focus to be on the audience."

[chauvetprofessional.com](http://chauvetprofessional.com)





## Hippotizer Boreal feeds metal band Powerwolf's big screen creatures



German metal band Powerwolf unleashed their Wolfsnächte Tour across Europe. Dominating the staging was a huge 5mm pixel pitch LED wall displaying album cover artwork, creatures of the night, and eerie scenes, driven by Hippotizer Boreal Media Servers supplied to the tour by Cast. Lighting and video designer Dennis Feichtner was approached by Powerwolf's longtime LD Mark Schöffel to take care of the visuals, focusing on pre-programming the show in collaboration with Schöffel, and operating during the shows using a grandMA3 desk and Hippotizer Zookeeper running from FOH. "Having two Boreal servers in Main/Backup mode felt very safe on the tour," says Feichtner. "They were highly powered for the task of playing out one feed of FullHD content on four layers and I find them extremely stable. Hippotizer servers always give me the feeling that they find tackling demanding jobs easy, both hardware and software-wise. They just do it, even when it's hot, loud and there are a lot of massive vibrations - we have pyro, flames, snow and bass all the way. They just play the content and never complain." [greenhippo.com](http://greenhippo.com) Photos © @vollvincent

## Hippotizer drives graphic sparkle for Finland's Joulumielelle charity concert

The beautiful Cultural House Martinus in the Finnish city of Vantaa hosted a magical concert to raise money for sick children. Some of Finland's biggest stars performed in front of eight LED screens, displaying graphics driven by two Hippotizer Montane+ Media Servers. The event, known in Finnish as Kummit Joulumielelle, was organised by The Association of Friends of the University Children's hospitals charitable organisation which is a longstanding client of the event projection, graphics and immersive media experts at Visual45. "We worked with the setlist and curated the visuals accordingly, noting that the range of songs and performers was quite wide. The cheerful songs clearly required more colourful and joyous screen visuals than the more ballad-like numbers," says Varpu Sipilä, Operations Manager at Visual45's parent company, Creative Technology. On stage, the team set up eight LED screens consisting of 179 Roe Black Pearl 3.9mm panels. They powered up two Hippotizer Montane+ Media Servers, using one for live and one for backup, alongside a high-spec laptop running Zookeeper at the FOH position. To control the Montane+ servers, Visual45's Tero Kärpijoki used a grandMA2 console. The Hippotizer Media Servers were supplied to the event by Creative Technology Finland, within which Visual45 functions as a design unit.



[greenhippo.com](http://greenhippo.com)





## Music China announces October 2023 return; exhibitor registration now open

**The dates are set: Asia's largest trade fair for musical instruments will make its homecoming from 11 – 14 October 2023 at the Shanghai New International Expo Center – its longstanding home since 2002. Expectations for the fair to return on a strong footing next year are high, particularly given the country's unrivalled position as not only the world's biggest instrument manufacturer but also the largest market.**

"We are already receiving exhibitor enquiries about the 2023 fair, and this is no surprise given Music China's leading position in the global MI industry," says Ms Judy Cheung, Deputy General Manager, Messe Frankfurt (HK) Ltd. "With the knowledge that the fair is the best place to meet dealers and distributors, exhibitors remain eager to expand their presence in the domestic market, and for good reason: the Chinese market is the world's largest. This fact hasn't changed, even amid the pandemic."

This confident outlook is supported by domestic sales revenue, which is expected to reach USD 8.6 billion by the end of 2022. "Despite the challenges facing other parts of the Chinese economy, the musical instruments industry has remained relatively immune, and this is partially due to a strong appetite for music culture,"

explains Ms Cheung. "This gives us cause for optimism as we look ahead to the 2023 fair."

In particular, the growth of music education continues to be one of the biggest drivers of instrument sales, especially in the piano category. "Piano ownership in China now accounts for more than 75% of the world's total," Mr Huang Dong, Deputy General Manager of Schimmel Piano (China), expressed at the last edition of Music China. "Due to China's rising levels of prosperity, more and more foreign brands have entered the market. So for us, and especially a big brand such as Schimmel, it's an opportunity that can't be missed. With Music China's extensive influence, almost the entire industry chooses to participate."

### **Instruments for every price point**

While global brands such as Schimmel are a regular presence at Music China (evidenced by international participation from 15 countries and regions at the previous edition), home grown manufacturers that offer cost efficiency and order flexibility are also one of the fair's key strengths.

"We expect the product mix to be the real forte of Music China 2023, with the fair showcasing instruments across every price point, and across the full spectrum," says Ms Cheung. "For affluent Chinese buyers, international



and heritage brands remain hugely popular, but for the likes of schools and training institutes who also visit the fair, price and durability are important considerations."

Now entering its 20th edition, the 2023 fair is expected to feature 9 instrument halls spanning some 110,000 sqm of exhibition space, covering everything from pianos, bowed instruments, percussion, woodwind and brass, electronic instruments, music education, sheet music and much more. In addition, an extensive seminar programme and live music shows bring opportunities for networking and knowledge sharing.

Music China is organised by Messe Frankfurt (HK) Ltd, the China Musical Instruments Association and Shanghai Intex Exhibition Co Ltd.

[www.musikmesse-china.com](http://www.musikmesse-china.com)



## Claypaky Xtylos deliver punch to LD Ian MacDonald for Five Finger Death Punch Arena Tour

Lighting Designer Ian MacDonald utilized a large complement of Xtylos fixtures, Claypaky's compact beam moving light with a tailor-made RGB laser source, for the recently concluded US arena tour of multi-platinum powerhouse, Five Finger Death Punch (5FDP). Ottawa-based MacDonald, formerly Lead Lighting Director for Moment Factory in Montreal and the Lighting Designer for Suicide Boys, got involved with 5FDP before the COVID pandemic when he did a design that he was able to reprise for the band's summer 2022 amphitheater tour. "Initially, that design featured a different laser fixture, but we decided to use Xtylos instead, and they did great," MacDonald reports. "So when we changed the design for the arena tour this fall we added more Xtylos." Christie Lites provided the fixtures having made a significant investment in Xtylos for their rental inventory. "We hung 18 Xtylos above the band and had 10 on an eight-foot riser upstage of the band," says MacDonald. "I used them strategically to get the most out of them, sprinkling them into songs to create impact and deliver a real wow factor. I think they had the biggest impact in the intro to 'Sham Pain' and in a keyboard patch where they worked really well for accents." He notes that "the Xtylos's colors are really good: Some fixtures lose their effect when you're shooting for distance. But these had a continuous beam with impressive deep blue, red and green saturated colors. They really had a lot of punch."

[claypaky.com](http://claypaky.com)

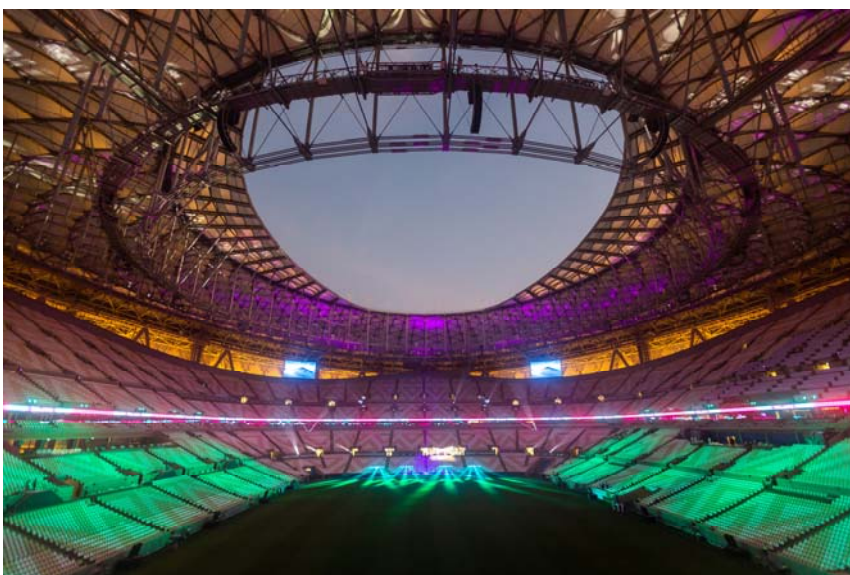


## Claypaky fixtures light inaugural event at Lusail Stadium for FIFA World Cup Qatar

Lighting Designer Matthew Tunchon and Qatar Vision Production Company WLL (QVISION) utilized a large Claypaky rig to light the first test event for FIFA World Cup Qatar 2022 inside the newly built Lusail Stadium in Doha, which hosted the tournament's final match between France and Argentina. "Executive Producer Dan Bolton and Creative Producer Tom Davies both from Dubai-based BE Experiential, expressed the need to make this event fill out the stadium," says Tunchon of Silver Bullet Projects in Sydney, Australia. "The production designed by Nathan Heverin needed to work around the pitch and be quite compact, so it was up to the lighting to really give the event a big arena look." To help achieve that, Tunchon assembled a rig featuring 50 Claypaky Scenius Unicos, 40 A.leda B-EYE K20s, 25 Sharpys and 30 Hepikos.

Overall, the lighting designer was impressed with the wide array of Claypaky fixtures and their ability to work well together. "It was really good to see how uniform the Claypaky equipment was," says Tunchon. "The colors were very consistent across each fixture type, and they were all very reliable in the extreme weather conditions they operated in at the stadium." QVISION supplied and installed the lighting equipment to BE Experiential for the orientation event. This included all lighting, rigging and AV control equipment. They also supplied technical crew and operation staff. With Silver Bullet Projects, Clinton Seery was the event's Technical Director and Aaron Russ the Programmer.

[claypaky.com](http://claypaky.com)





## Mighty Tough Cases debuts its range of quality, tough and affordable flight cases

Mighty Tough Cases Ltd was launched as ZCASE Professional Flight Cases' exclusive distributor in the UK and Ireland in October 2022. Since then, the company has successfully provided a steady stream of off the shelf and precision, made-to-measure, heavy duty, bespoke-branded flight cases to a range of entertainment technology product manufacturers and rental operations. In just three months of trading, Mighty Tough Cases has nurtured a reputation for its attention to detail and fast delivery of affordable, tough, quality-built cases. Mighty Tough Cases knows that its clients invest in expensive equipment that require flight cases to protect their investment, often in challenging and rough environments, time after time. Jack Linaker, managing director of JL Lighting Ltd says: "Having ordered dozens of new lights and other equipment we simply need cases to house them all. Aryton Eurus, LEDJ Spectra Flood Q15s, Lynx BS-8 speakers, and many more. With projects going out in a few weeks this meant a particularly fast production was needed and flight cases delivered quickly. Mighty Tough Cases delivered a number of bespoke, super tough cases made with our personal colours and branding, so our lighting stock was ready to go out to the customer in record time. Thus, optimising our return on investment from every perspective."

[mightytoughcases.com](http://mightytoughcases.com)



Cases delivered to JLL

## Relevant AV Solutions brings flexibility to New Covenant Church with CHAUVET Professional

Greg Klimetz and the team at Relevant AV Solutions gave themselves a clear mission statement when they began planning the "Transformation Project" at New Covenant Church's worship center in the spring of 2021. "The key word in our planning was 'yes,'" said Klimetz. "As in when the church asked us "can we do..." our answer had to be 'yes we can!'" "We worked hand in hand with Scotty Williams and Chris Shelton from New Covenant to help visualize and realize their dream for the AVL systems," said Klimetz. "Working from an overall design and concept, we remained open-minded throughout the entire process working to explore the best solutions." Following this collaborative process, the worship center was renovated "from the ground up," including the removal of some fixed pews and stained glass, to create a more open and flexible space. A key part of this transformation was the installation of new, adaptable and camera-friendly lighting system that features 78 CHAUVET Professional fixtures and LED video panels from Relevant AV Solutions' own inventory. Included in this collection were 22 Ovation E-910FC color mixing ellipsoidals, eight Maverik Force 1 Spot 470-watt LED moving heads, and 12 Maverick MK2 Wash fixtures, as well as 36 F2 LED video panels and one VIP Drive 10-5 Nova video processor. "Working with our lighting designer, Craig Rutherford, we developed this rig around lighting fixtures that could fill multiple roles," said Klimetz. "We also positioned these fixtures to create as much flexibility as possible. Lighting for cameras was another big priority. Our goal was to create a rig that could do all the church wanted and still be within budget."

[chauvetprofessional.com](http://chauvetprofessional.com)





**FREE DOWNLOAD**



- LIVE
- INSTALL
- TOURING
- EDUCATION
- BROADCAST
- RECORDING
- DIGITAL MAGAZINE



**Sennheiser Digital 6000 Wireless System Shines Bright At Super Bowl LVIII**



**PROAUDIO BUSINESS**

**Stage Audio Works announces new company, AV Distribution**



South African professional audio, AV and broadcast specialist Stage Audio Works has launched AV Distribution, a new company dedicated to managing those markets chiefly served through a reseller/integrator channel. Anything that is project-based will remain the remit of Stage Audio Works. Ashley Coleman will be taking on the role of General Manager while Mike Sumner-Hed will be taking on the role of Sales Director. The markets served by AV Distribution are principally those of corporate AV, education, retail and hospitality. Anything not served by the integrator/reseller channel remains under the auspices of Stage Audio Works.

**PROAUDIO**

**Fumasoli Audio & Lights Rental chooses Adamson**



Fumasoli Audio & Lights Rental recently invested in 24 x 57, 4 x 5118, and 4 x PC2 from Adamson Systems Engineering, after more than 30 years at the forefront of live music in Italy. General Manager Enrico Fumasoli, son of the company's founder Renato Fumasoli, acknowledged, "Adamson has always been a true benchmark of professional sound systems for live events, and since the distribution agreement with Adamson, I had the idea of testing the quality people were speaking of."

**AUDIOFOCUS strengthens international sales team**



Belgian installation and touring loudspeaker manufacturer, AUDIOFOCUS has announced two senior additions to its international sales team. Hilkan Spöck has been appointed to the position of UMEA Sales Manager. Luc Hauburain has joined the AUDIOFOCUS team as Commercial Business Development Manager, with a specific focus on sales growth in Africa and the Benelux countries. "We are delighted to welcome Hilkan and Luc to the AUDIOFOCUS family," says Managing Director, Ann Leroy. "As part of our AUDIOFOCUS 2.0 journey, we are investing heavily in pioneering new products and technologies. Hilkan and Luc's knowledge and energy will play a key role in growing the strong, productive distribution partner-ship that will translate our R&D and manufacturing innovations into sustainable business growth."

**PROAUDIO BUSINESS**

**DIGiCo S-Series Training kicks off the year at DWR**



DWR Distribution was over the moon to welcome delegates to the very first DIGiCo S-Series training of the year hosted on February 22nd and presented by Kyle Robinson. As there is always interest in training from people living across the South African border, the session was recorded by Remember Chitviri and his team. Kyle set up large screens in the training room which created a visual impact, and delegates were encouraged to bring in their laptops installed with the DIGiCo office editor to practically be part of the training. Remember Chitviri, a sound engineer who has branched out to offer a service in creating videos, podcasts and photography, was commissioned to film the training. The idea is that shorter video clips will be made of the key subjects discussed during the day. As soon as the clips are available, this information will be shared with the live events industry.

The hand-on topics including navigating, configuration, patching, networking and external control, and of course tips and tricks. Kyle set up large screens in the training room which created a visual impact, and delegates were encouraged to bring in their laptops installed with the DIGiCo office editor to practically be part of the training. Remember Chitviri, a sound engineer who has branched out to offer a service in creating videos, podcasts and photography, was commissioned to film the training. The idea is that shorter video clips will be made of the key subjects discussed during the day. As soon as the clips are available, this information will be shared with the live events industry.

**PROAUDIO BUSINESS**

**QV Sound appointed as new Voice-Acoustic distributor in Viet Nam**



Voice-Acoustic is pleased to announce to enter into a strategic agreement with QV Sound as the exclusive distributor in Viet Nam. QV Sound, based in Hai Chi Hinh City, distributes many international brands throughout Viet Nam. With many years of expertise in the professional audio and entertainment market, QV Sound's support team also provides advanced technical support and service to system designers and installers. "After hearing the introduction and demonstration at Prolight+Sound 2019 in Frankfurt, I was deeply impressed by the quality, performance and craftsmanship of the Voice-Acoustic products. Since then, we have closely followed Voice-Acoustic's further development and are very enthusiastic about their innovative loudspeaker solutions," says Que Nguyen, Business Development Manager of QV Sound. "The aesthetic design of the speakers is compact but delivers a high level of efficiency and performance. Area-4 and Score-5 are the perfect examples. I think Voice-Acoustic fits very well into the QV Sound portfolio to meet the demands of high-end customers: superior sound quality, concerning prior-performance ratio and strong support. The QV Sound team and I look forward to establishing the Voice-Acoustic brand in the Vietnamese market."

**PROAUDIO**

**AUDAC 30 years The biggest year in their existence**



2022 will be a special year for AUDAC and its family, not only because they will celebrate 30 years of having the pleasure to bring their innovative solutions to the market, yet more important since it will be one of the biggest years in their existence both on an innovative and a commercial level. On a technical level, AUDAC has the pleasure of launching a project they have been working on for over 3 years and which has a brand new more than ten years old. For this innovation, they went back to one of their success stories, 20 years ago. The development of the world's first web-based matrix. Based on these foundations of innovation, they have worked with tremendous passion on a completely new ecosystem, a networked ecosystem. This solution will not only include a Dante-driven matrix but will consist of all peripheral devices that can extend its ecosystem and strengthen the system, such as wall panels, paging microphones, and many more compatible devices. In addition to all these innovative developments, AUDAC will introduce a refreshed corporate identity that will include a new logo, simplified product categorization, a renewed website and many more.

**PROAUDIO LIVE & INSTALL**

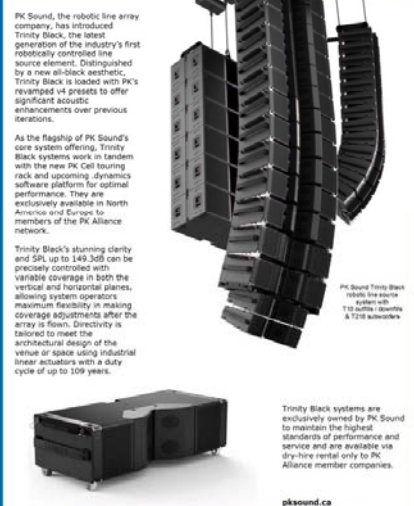
**NEXO GEO N10 and P+ Series deliver superior sound and versatility at Rhyll Pavilion Theatre**



Located on the waterfront in the North Wales seaside resort of Rhyll, the 1031-seat Pavilion Theatre hosts touring theatre productions, comedy acts and music tours, alongside playing a key role at the heart of the community, staging local cultural events and school productions. When the theatre's Technical Manager Andy Hughes was tasked with replacing the existing PA with a modern, versatile system capable of handling everything from a comedy gig to a rock & roll show, a top brand came immediately to mind. "I had heard a lot of systems in the theatre over the years from touring shows, including many big-named brands and NEXO always really stood out sound wise." Andy approached the highly experienced entertainment technology specialists A.C. Entertainment Technologies (A.C. ET), where Senior Audio Sales Executive Steve Eaton turned to the Engineering Support Team at the NEXO Campus in France to design the system. With an extensive history in theatre sound, NEXO Bertrand Bilan was the perfect person for the job. "Designing a ground stacked system for a multi-level theatre is always a challenge" says Bertrand. "It's important to strike the right balance

**PROAUDIO PRODUCTS**

**PK Sound Trinity Black**  
Robotically controlled line source element



PK Sound, the robotic line array company, has introduced Trinity Black, the latest generation of the industry's first robotically controlled line source element. Distinguished by a new all-black aesthetic, Trinity Black is loaded with PK's revamped v4 presets to offer significant acoustic enhancements over previous iterations. As the flagship of PK Sound's core systems offering, Trinity Black systems work in tandem with the new PK Cell Isomax rack and upcoming dynamics software platform for superior performance. They are exclusively available in North America and Europe to members of the PK Alliance network. Trinity Black's stunning clarity and SPL up to 149.3dB can be precisely controlled with variable coverage in both the vertical and horizontal planes, allowing system operators maximum flexibility in making coverage adjustments after the array is flown. Directivity is tailored to meet the architectural design of the venue or space using industrial linear actuators with a duty cycle of up to 108 years.

Trinity Black systems are exclusively owned by PK Sound to maintain the highest standards of performance and service and are available via dry-hire rental only to PK Alliance member companies.

**PROAUDIO PRODUCTS**

**Meyer Sound PANTHER**  
Redefining large scale Line Array Technology



Meyer Sound announces PANTHER, a new flagship linear line array loudspeaker engineered to meet rapidly evolving demands for large-scale touring and installed systems. The PANTHER family consists of three cabinets with different horizontal coverage patterns. PANTHER-M and PANTHER-W are 95 and 110 degrees, respectively, and will be familiar options for existing Meyer Sound owners. PANTHER-L features a new low-loss long throw horn with new long-throw horns in any size venue with uniform response from front to back and enables deployment of fewer arrays or shorter arrays in some applications, such as in-the-round configurations. As with all Meyer Sound loudspeakers, PANTHER offers the service longevity that comes with the optimally matched transducers, amplifiers, and processing of self-powered systems. In addition, PANTHER offers new features that assure a greater long-term return on investment: Certified Mean Air Volume Standard; Weather Protection Standard.

meyersound.com

**Allen & Heath AHM-32 and AHM-16**  
Two powerful new Audio Matrix Processors



Allen & Heath has announced two powerful new Audio Matrix Processors, AHM-32 and AHM-16, supported by the most comprehensive ecosystem of scalable I/O, control and Dante solutions. Harnessing technology from the AHM42 Audio Matrix Processor, AHM-32 and AHM-16 open up the platform to the full spectrum of installed audio environments. From a single boardroom to a complete campus - with emphasis on simplicity of programming and control, plus expandable audio networking and I/O capabilities, the AHM-32 is built on a 32x32 processing matrix with 12 local analogue inputs and outputs, making it an ideal choice for multi-room installations in hospitals, corporate and education environments. The AHM-16 features a 16x16 processing matrix with 8 local analogue inputs and outputs. Both units benefit from a 56kHz I/O port for audio expansion and networking, enabling the use of a 64kHz Dante card for extension into Dante networks and connection to Allen & Heath's range of Dante equipped expanders.

allen-heath.com/ahm-series



# ROBE iFORTE® FS

*Now you can shift the power outside, rain or shine, dust, smoke and haze, with the iFORTE®*



**The most powerful member of the Robe iSeries, the IP65-rated iFORTE® combines far-reaching output and feature-rich effects in a fully protected package, capable of handling all the challenges of being outdoors.**

iFORTE® negates the traditional weight penalty associated with IP-rated fixtures being only 1.5 kg heavier than the indoor FORTE®. With its class-leading form factor, size and appearance, and all the features and identical performance of the indoor original, iFORTE® enables seamless integration with each other, even on the same truss if desired! The ingenious ingress protection system has been specifically designed to allow standard maintenance and preparation procedures, such as TRANSFERABLE ENGINE exchange and gobo replacement without any additional tools, as gobo change or maintenance work can be done on-site.

The onboard RAINS™ (Robe Automatic Ingress Neutralization System) manages humidity, temperature and pressure control using an active monitoring system to automatically remove any moisture detected within the fixture and provides constant monitoring to ensure peak performance. iFORTE® automatically runs a self-test every time it senses a cover was removed and replaced. This self-test, taking no more than 3 minutes, provides an error message if covers were not replaced correctly or locking screws were incorrectly tightened (Patent pending). Their lightweight magnesium alloy covers, with aluminium alloy structure, provide a dust-free environment for the optics, eliminating the need for frequent cleaning, routine maintenance, and UV damage to plastic parts.

To maintain consistently high lumen output, even with the rigours of outdoor performance, water, dirt, dust,

haze, and smoke are repelled from the front lens with our unique parCoat™ hydrophobic, oleophobic resistant coating. Furthermore, it allows easy removal without scratching or damage. By including NFC (Near-Field Communication) technology, you can access setup, diagnostic and performance features, even when the fixture is not powered, directly from your mobile device using the Robe Com app. iFORTE® TE™ 1.000W iSE HP (High Performance) White LED TRANSFERABLE ENGINE generates the same, piercing 50.000 lumen fixture output. The identical 11:1 zoom optical system, with a 5.5° to 55° zoom range, provides all the flexibility you require. Removing the need for distracting pre-use pan and tilt calibration movement, our patented MAPS™ (Motionless Absolute Positioning System) allows the fixture to fully calibrate while remaining static. Very useful when fixtures are located within confined spaces. Our cutting-edge CMY colour mixing system provides beautifully smooth mixing and transitions. Combined with two colour wheels, CRI 80 and 90 filters (HP Engine), and a variable CTO from 3.000 – 6.700 K give iFORTE® total colour finesse.

With the patented Plano4™ four individual plane framing shutters, two fully indexable rotating gobo wheels, an animation wheel, two independent 6-facet prisms and two MagFrost 1° and 5° frosts, you have all the creative tools you need.



Keeping up with technological advances, for television users, Cpulse™ is included for flicker-free management of HD and UHD camera systems.

The iFORTE® FollowSpot is equipped with a full HD digital camera mounted on the head, again with parCoat™ lens protection. The IP65-rated camera features 32x optical and 32x digital zooms and is suitable for light levels down to 0.05 lux. It connects to the industry-leading RoboSpot™ BaseStation for remote-controlled follow spot operation. iFORTE® FS - Robe reliability in all weathers.



Click the link to find more information at

[www.robe.cz/iforte-fs](http://www.robe.cz/iforte-fs)



# Cameo OTOS B5

*IP65-capable Beam moving head that produces impressively precise 1° beams*



Cameo has expanded its OTOS Series. After the OTOS H5 IP65 Beam-Spot-Wash Hybrid Moving Head already impressively proved in 2022 that the demand for IP65-capable, light-intensive and lighter moving heads is growing, the German manufacturer is now expanding its portfolio with the OTOS B5. This IP65 moving head is aimed at lighting designers and rental companies looking for tools for outdoor use, and they mark the spearhead of technological development at Cameo.

## RIDE FAR: OTOS B5

The OTOS B5 is an IP65 beam moving head based on a 480-watt discharge lamp. It delivers an illuminance of 511,000 lx @ 15m. With its high-quality optical system – with 205 mm front lens – the OTOS B5 produces impressively precise 1° beams that prevail even in dense lighting designs and remain visible even from a greater distance.

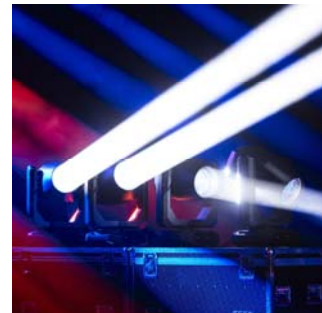
Thanks to the IP65-rated housing, the OTOS B5 is particularly convincing under adverse conditions – whether it's in continuous rain or in dusty environments. At the same time, the 480 W custom discharge lamp of the beam moving head ensures maximum reliability and profitability in long-term use.

The service life of the lamp is 3,000 hours and has been tested in continuous use under live conditions.



The effects section of the OTOS B5 includes a static gobo wheel with 19 gobos + open, as well as three rotating and indexable prisms on two levels to create a variety of mid-air effects and add depth to lighting designs.

In terms of colour, users can also draw from the full range of shades, thanks to the integrated CMY colour mixing and the additional colour wheel with 14



dichroic filters for particularly saturated colours.

The OTOS B5 is identical in construction

to the OTOS H5 except for the front lens. Thanks to the identical dimensions, both models can be stored and transported in the same flight case. With a weight of only 33 kg, the OTOS B5 is also one of the lightest representatives in its performance class.



Click the link to find more information at

[www.cameolight.com/otos-series](http://www.cameolight.com/otos-series)



# Cameo OTOS SP6

*IP65-capable specialist Spot Profile  
moving head with a 600W LED light source*



source and an illuminance of 75,800 lx at a beam angle of 7°. The optical system – with a 130 mm front lens – offers an impressively wide zoom range, from 7° to 50°, and ensures precise lighting results without visible hotspots. With its IP65-rated housing, the OTOS SP6 is an extremely versatile tool for outdoor use that can be used to reliably achieve all lighting ideas, even under adverse conditions – on live stages, at outdoor events, and also in the theatre and TV sectors.

In addition to the precise illumination of people and objects, the OTOS SP6 can also be used creatively and flexibly. For this purpose, two gobo wheels, a 5-facet prism and an integrated 4-fold iris slider system with individual angulation and +/- 45° rotation are available. Two frost filters (light and heavy) and an infinitely variable iris diaphragm round off the wide range of possibilities. The OTOS SP6 works with CMY colour mixing and includes an additional colour wheel with six dichroic filters + open for particularly saturated, powerful colours. The linear CTO correction allows for infinitely variable adjustment of the colour temperature in the range from 2,600 K to 7,000 K. Thanks to the adjustable PWM frequency (650 Hz-25 kHz), the OTOS SP6 is also suitable for flicker-free use with film and TV cameras.

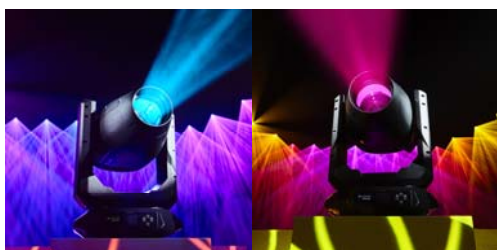
Control is flexible via DMX, RDM, Art-Net, sACN, W-DMX and CRMX. When it comes to handling before, during and after production, the OTOS SP6 scores with its intelligently placed handles and an exceptionally low weight (34 kg) – as with all moving heads in the OTOS Series – which makes the OTOS SP6 the lightest representative in its performance class.

**Cameo has expanded its OTOS Series. After the OTOS H5 IP65 Beam-Spot-Wash Hybrid Moving Head already impressively proved in 2022 that the demand for IP65-capable, light-intensive and lighter moving heads is growing, the German manufacturer is now expanding its portfolio with the specialist OTOS SP6 (Spot Profile). This IP65 moving head is aimed at lighting designers and rental companies looking for tools for outdoor use, and they mark the spearhead of technological development at Cameo.**

## TAKE IT ON YOUR NEXT RIDE(R)

With the claim of the OTOS Series, Cameo sets the direction: if you don't want to do without powerful beams, spots and washes even in heavy wind and weather, you need reliable and proven partners at your side. Whether it's hybrid all-rounder or specialist – the IP65 moving heads of the OTOS Series impress lighting professionals with their powerful output, high robustness and flexibility, as well as a particularly low weight.

The OTOS SP6 is an IP65 spot profile moving head with a 600W LED light



Click the link to find more information at

[www.cameolight.com/otos-series](http://www.cameolight.com/otos-series)



# GLP impression X5 Compact

*With 7 powerful 40 Watt RGBL LED's to give an incredible output with increased color gamut*



With the release of the impression X5 wash light, German manufacturer GLP – German Light Products provided one of the most high-profile product launches of the past year. Since then, designers around the world have praised the outstanding colour quality and colour mixing with the special GLP Lime, as well as the excellent output across the entire colour spectrum.

At this year's Prolight + Sound in Frankfurt (25–28 April), GLP showcased various extensions to the series at their booth. As different as the devices are, they all share the unique X5 features. In addition, they can be seamlessly combined with each other to help users achieve even greater consistency in terms of colours and white light. In the winter of 2022/2023, the impression X5 Compact was launched as the first addition to the series.

- The GLP impression X5 Compact uses 7 powerful 40 Watt RGBL LED's to give an incredible output with increased color gamut.
- GLP's new iQ.Gamut calibration algorithm ensures the impression X5 Compact creates clean white points with CRI 90 at 6,500 K and the ability to switch to other fixed color temperatures instantly, all calibrated exactly to the black body line.
- With new super-fast zoom mechanics, the impression X5 Compact offers a 16:1 range running from 3.5° to 60° with homogenous light distribution across its entire range.
- A new front face with a circular design offers a fresh modern look, a round aperture and has been designed to include geometric patterns for great looking Pixel mapping effects.



- The impression X5 Compact comes with an extensive feature package, including a virtual color wheel with 64 referenced LEE Filters, a new Color Quality Control, Magenta / Green Correction, a Tungsten Simulation and Effect Channel and a double layer effect option.
- Featuring GLP's trademark baseless design, the impression X5 Compact weighs just 7.5 kg / 16.6 lbs. Its design also allows static front accessories to be attached.
- The impression X5 Compact can be controlled via DMX, ArtNet or sACN and can be set up using Near Field Control.



Click the link to find more information at

[www.glp.de/en/products/impression-x5-compact?parent=0](http://www.glp.de/en/products/impression-x5-compact?parent=0)



# GLP impression X5 IP Bar

*Equipped with seven powerful  
40W RGLB LEDs*



**With the release of the impression X5 wash light, German manufacturer GLP – German Light Products provided one of the most high-profile product launches of the past year. Since then, designers around the world have praised the outstanding colour quality and colour mixing with the special GLP Lime, as well as the excellent output across the entire colour spectrum.**

- The GLP impression X5 IP Bar is an IP65 rated, linear LED batten with 18 powerful 40 W RGLB LED's, a wide zoom range, and the new GLP iQ.Gamut color calibration algorithm that creates perfect white spectrums with excellent color rendering.
- The new squared lens design ensures maximum lumen efficiency and gives an unprecedented curtain of light at its narrowest angle of just 5°, and delivering smooth and homogenous washes all the way out to its widest 70° wash.

- As a part of the new GLP X5 family it offers a wide feature package, including selectable calibrated white points, a tungsten simulation channel, magenta / green correction, virtual color wheel and variable CTC, along with twin layer effects with plenty of dynamic pattern macros.

- The impression X5 IP Bar offers our patented fast tilt movement in combination with seamless pixel pitch across fixtures, and features wired and wireless control as standard.
- The impression X5 IP Bar's enclosure is just as suitable for indoor use on the stage to protect against confetti, fog, pyro and dust.



**Movement**  
**195° Tilt**  
**16 bit with automatic position correction**



Click the link to find more information at

[www.glp.de/en/products/impression-x5-ip-bar?parent=0](http://www.glp.de/en/products/impression-x5-ip-bar?parent=0)





## CHAUVET Professional Rogue Outcast 2 Hybrid

CHAUVET Professional presents the Rogue Outcast 2 Hybrid, a rugged IP65-rated Spot/Beam/Wash moving head with a lightweight alloy body housing a sophisticated optical system that delivers incredible brightness and a refined linear zoom that smoothly spans an expansive range of narrow to wide beam angles in every mode. The intense output of its 400W 6500K lamp can be precisely focused to project sharp midair beams and perfectly crisp spots or subtly softened with its frost and beam flattening features. Create stunning looks with dual gobo wheels and layerable prisms or shape luscious color washes with this versatile Outcast.

- Fully featured, IP65 rated, high powered Spot/Beam/Wash combination fixture with an Ushio 400 W, 6500 K with 6,000 hour life expectancy lamp, 2 gobo wheels, 2 layerable prisms, large zoom range, and lightweight aluminium / magnesium housing
- Individually controllable and layerable 5 facet linear and 8 facet round prisms for maximizing visual impact
- Frost and beam flattening options for even light distribution Tight 0.9° narrow beam angle for focused air effects
- Linear zoom of 0.9° to 20.7° in beam mode, 1.4° to 37.2° in spot mode and 5.4° to 41.7° in wash mode for coverage in any application
- 9 rotating and 13 static gobos for massive visual effect

[chauvetprofessional.com](http://chauvetprofessional.com)



## CHAUVET Professional Rogue Outcast 1L Beam



CHAUVET Professional presents the Rogue Outcast 1L Beam, a lightweight IP65 beam that packs a punch with speed and precision. Its tight 1.4° beam projects extremely focused aerial effects. Create dynamic midair looks with this fully-featured fixture that includes a color wheel, single gobo wheel (with both rotating and static gobos), layerable dual prisms and frost. Its durable alloy housing not only weathers outdoor elements but also brings advantages to indoor installations with a low-maintenance design that withstands particulates such as fog and haze.

- Fully featured, high powered IP65 rated LED beam fixture
- Lightweight and durable aluminum/magnesium alloy body
- Fast and precise movement of pan and tilt functions
- Individually controllable and layerable 5- and 8-facet prisms
- Frost for softening beam edges and effects
- 5-pin DMX input/output connections
- Tight 1.4° beam for extremely focused areal effects
- RDM enabled for remote addressing and troubleshooting
- 7 rotating and 7 static gobos on one wheel for dynamic gobo effects
- Easy to read OLED display with simple, effective menu options
- Simple and complex DMX channel profiles for programming versatility

[chauvetprofessional.com](http://chauvetprofessional.com)

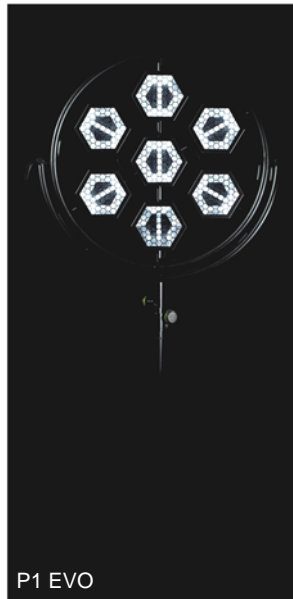




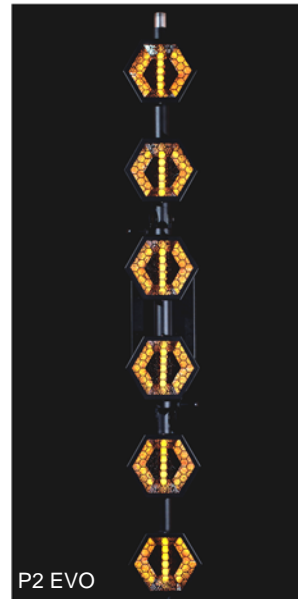
## Portman EVO Collection



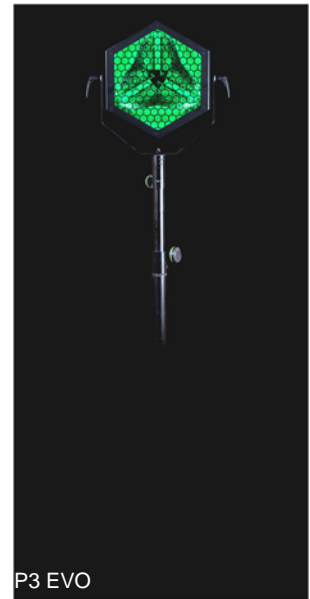
EVO Collection is the latest family of products in the Portman Lights portfolio. The new products are a breath of fresh air, combining timeless hexagonal shapes with innovative sources, faithfully reproducing all the strengths of halogen light. The total power of the LEDs in the new luminaires ranges from 210W to 340W depending on the model (210W in P3 EVO, 300W in P2 EVO, 340W in P1 EVO). This is made up of original main sources that faithfully purely emulate halogen with a smooth dimming. At low light intensity, they light up with a warm color of 1600K and at maximum brightness they reach 3200K. User can pick different dimming curves. There is also strobe mode available. In each fixture, these main sources are paired with RGBW



P1 EVO



P2 EVO



P3 EVO

sources that fill specially designed new lamp reflectors with color. Each unit can be powered by any 110-240V (50-60 Hz) current thanks to the use of voltage-adjusting electronics. The products are equipped with 5-pin XLR (input/output) connectors. It is also possible to use a WDMX module so that the luminaires can be controlled remotely. Each luminaire is featured with 6 DMX modes with a high number of channels (9-47 Ch in P3 EVO, 12-67 Ch in P2 EVO and 13-77 Ch in P1 EVO) and has built-in macros to run the lamp in standalone mode. The electronics supports the RDM protocol.

[portmanlights.com](http://portmanlights.com)



## Palmer presents the River Series audio tools for a pristine signal flow

Palmer presents the River Series. This family of reliable DI boxes, re-amping boxes, line isolators, splitters and summers ensure that audio signals can flow freely and unhindered – crystal clear and as alive as water! For this reason, the models in the River Series are named after German rivers and bear names such as ilm, main, wupper, naab, trave, and tauber. Based on high-precision circuitry, the sound of the River Series always reaches its destination unadulterated. The Palmer River series is available now. The River Series comprises 13 models and covers the central requirements of musicians and sound engineers – whether live or in the studio, in the rehearsal room, or at a spontaneous street gig. Based on high-precision audio circuits, the solutions developed in Germany support a transparent signal flow that – not unlike a river – results in a large, open (sound) structure. Based on an unmistakable and uniform design language, all Palmer River Series product enclosures are made of solid aluminium and feature a robust front made of steel, which guarantees years of reliability in a hard everyday life on stage and in the studio. This is one of the reasons why Palmer offers a 5-year warranty on all products.

[palmer-germany.com](http://palmer-germany.com)





## Philips High Bright 4000 Series

PPDS, the exclusive global provider of Philips professional displays and solutions, has announced the highly anticipated launch of its new, slimline Philips High Bright 4000 Series, delivering uncompromised picture clarity and performance to any indoor or semi-outdoor environment, including in challenging, highly light areas. Designed for content that demands to be seen at all times, the new models come equipped with the latest hardware and software features and innovations from PPDS, including advanced 2500 cd/m<sup>2</sup> (55") and 3000 cd/m<sup>2</sup> (75") high brightness. From retail stores to public venues, the new portrait and landscape mountable High Bright 4000 Series is perfect for



installations in or near environments exposed to ever-changing ambient lighting conditions, including near or behind glass frontage. The Philips High Bright 4000 Series will comfortably handle any lighting condition it is exposed to – including direct sunlight – allowing content to be displayed and enjoyed as intended, day and night. Perfect for shop window displays and public information areas. Complementing and extending the Philips High Bright H-Line range to five, the new 4000 Series is available in 55" (55BDL4002H/00) and UHD 75" (75BDL4003H/00) model variants, featuring an all-new super slim design\*, up to 34mm thinner than previous H-Line models, while the 17.5mm (55") and 18.8mm (75") bezel ensures a slick and stylish presentation and viewing experience.

[ppds.com](http://ppds.com)

## PPDS energy efficient digital signage series with the 'zero power' Philips Tableaux range



PPDS, the exclusive global provider of Philips professional displays and solutions, is excited to announce the launch of a new game-changing and industry-advancing range of full size and full colour 'zero power' Philips Tableaux advanced colour ePaper (ACeP) signage displays. Each is capable of delivering 24/7 vivid content, while running entirely unplugged and without using a single kilowatt of electricity. These ground-breaking Philips Tableaux displays from PPDS mark the introduction of a brand new product category into its ever-evolving portfolio of professional displays, (including digital signage, interactive displays, direct view LED and professional TVs). Available in 25" 16:9, and 28" 32:9 stretched variants at launch, Philips Tableaux displays are an ideal energy saving solution for businesses across the sectors looking to digitise their paper-based signage delivering messaging such as store opening hours, timetables, and menus, or promotions and offers, or for those looking to swap out their current digital models (where features may far exceed day-to-day requirements, adding unnecessary running costs) with colourful, power-free, easily updatable Android SoC displays.

[ppds.com](http://ppds.com)





## SPOTLIGHT HYPERION 100W



The HYPERION series is still growing: the HYPERION 100W are now available! New HYPERION 100W are the result of the in-depth technological know-how that distinguishes us. The fixtures are performing, easy to use and characterized by the unmistakable design of HYPERION Series by SPOTLIGHT™. HYPERION 100W is perfect for lighting small TV studios or small theatres, events and fairs, museums and fashion shows. Available in Fresnel, PC and Profile type.

Distinctive features: • Compact LED COB for incredibly defined light projection • CRI 97 • Continuous light spectrum

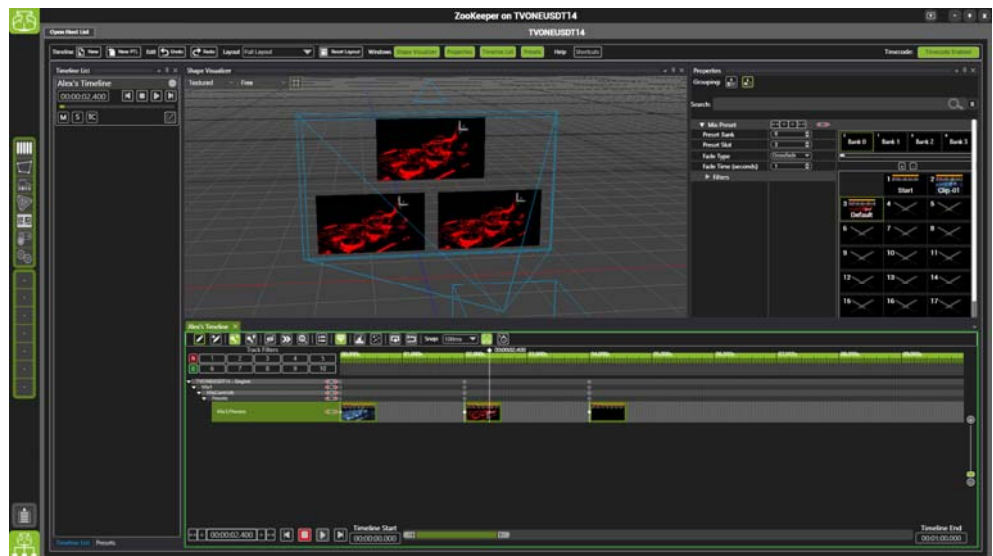
• Thermal regulation • Electronic performance control • Advanced software - Plus: COMPACT, LIGHTWEIGHT, STURDY  
Why choose them: • High-resolution dimming • Constant Color temperature during dimming • Up to 6 dimming curves  
• Current modulation function • Flicker-free • Silent mode

[spotlight.it](http://spotlight.it)

## Hippotizer v4.8 with Show Manager, Preset Timeline and Integration enhancements

Green Hippo has unveiled a Hippotizer v4.8 software update for its range of Media Servers, packing in an exciting range of new and upgraded features designed to power-up real-time media manipulation, playback and mapping. A major enhancement is Show Manager, facilitating complete control of multiple productions and installations at once. It allows users to easily save and load various shows on one Hippotizer Media Server, simplifying show management and switching between events. Within this, shows can be duplicated to enable quick modifications without affecting the primary show data, and each show can be easily labelled for one-glance referencing. For productions run by multiple users of one machine, shows can be locked to protect them from any unwanted edits, and the popular HippoLauncher can now be controlled by TCP Commands allowing to start up or switch into the designed show. Also upgraded is TimelinePlus, where pre-recorded looks can be easily transferred onto the Preset Timeline for quick, easy show programming. The Hippotizer SHAPE tool introduces Dockable Windows, aiding customisable workspace management and enhancing 3D project visibility.

[greenhippo.com](http://greenhippo.com)





# FLES (FENIX LED SUPPORT)

The new universal modular support for LED screen has been designed taking in account all the needs of an event. Easy to set up and stabilize, compatible with all kind of LED Screens. With FLES you can create curved profiles of LED screens adding the union hinge. FLES has been design focused on small details to maximize security, set up facilities and durability of professional appearance thanks to its textured black finish.

[fenixstage.com](http://fenixstage.com)



# Fenix PACQ-1000



Our new lifting tower, the PACQ-1000, can support 1,000 kilograms of load up to 8 meters high. Designed to charge sound and lighting equipment, like a PA tower, but compacter and safer, with ease of assembly thanks to an engine you can lift the structure and load, an innovation that provides a safe, compact and unitary transport that will avoid loss of parts and save time and assembly operators to set up.

[fenixstage.com](http://fenixstage.com)



## ADJ Eliminator Lighting Cosmic Burst



The Cosmic Burst is the latest new effect fixture from Eliminator Lighting. This laser moonflower creates hundreds of white, yellow, green, and blue beams which rotate back and forth to create mesmerizing patterns. A room-filling effect, it will generate razor-sharp aerial effects in a haze-filled environment or can be projected onto the ceilings or walls of a venue to create a futuristic backdrop for any party or event. Featuring a powerful 10W laser module with a 10,000-hour projected operational life, the Cosmic Burst generates a unique effect with a massive beam spread. Its laser output is diffracted into hundreds of separate beams that are reflected by two separate mirror dishes. Each dish offers independent bi-directional rotation at variable speed, allowing for the creation of a variety of different effects.



[adj.com](http://adj.com)



## Avolites announces the replacement to its popular Titan Mobile product

Avolites, a world leader in the innovation of visual control systems, announces today, the news of the replacement of the globally recognized Titan Mobile, which has now ceased production. Avolites launched its smallest control surface the Titan Mobile in 2010, together with a companion wing. Over its twelve years of production, it has become trusted and depended upon world-wide by many thousands of users. Over the years the Titan Mobile has been equally at home powering live productions on all sizes of stage to major installations. Anywhere were a small footprint, reliable hardware and a powerful lighting software platform has been needed. Today, we are pleased to announce the arrival this Spring of the new T3, the Titan Mobile replacement. Created in collaboration with leading lighting designers, the new T3 is the lightest, smallest, most portable console we have ever produced. It shares the new design language first seen in the Diamond 9, and together with the companion Wing they form an unbeatable portable control surface. The new T3 is the leading product in the PC powered, T- Series comprising of exiting products T1 and T2, now with the T3 and T3-W.

[avolites.com](http://avolites.com)



# The Virtual Production Revolution

Written By Lee Baldock

## Pt. 3 - Fix it in Pre

**From the filmmaker's point of view, virtual production brings control of the overall 'vision' of a production to the front end of the process – the pre-production. Traditionally, filmmaking has been a linear process – development, pre-production, production and post-production (with fingers crossed!). 'Fix it in post' became the get-out mantra for mistakes, omissions or afterthoughts during production.**

This all changes with virtual production. Instead, accurate pre-planning and previsualisation is not just possible, but essential. Storyboarding, art department, scenic design, shot-planning, scene blocking, choreography, visual effects and almost every other creative strand can carefully plan their work ahead of principal photography, through what's now termed the Virtual Art Department, all overseen by a Virtual Production Supervisor.

VP is about 'pre' rather than 'post'. In filmmaking, time is money and a great deal of both can be saved by the detailed proof of concept that virtual production enables. With so much of the final vision prepared in this powerful virtual world, previsualisation capabilities are immense. Previs can be so thorough that final pixel VFX can be captured in-camera – a major step forward.

Previs work can employ stand-in actors fitted with mocap sensors, and because the 'set' largely exists in a CG world, virtual camera positions can be used to test out shot choices. Of course, there's still ample opportunity for the director and DP to be creative during photography, but the previs can offer a timesaving starting point, one where most of the thinking has already been done.

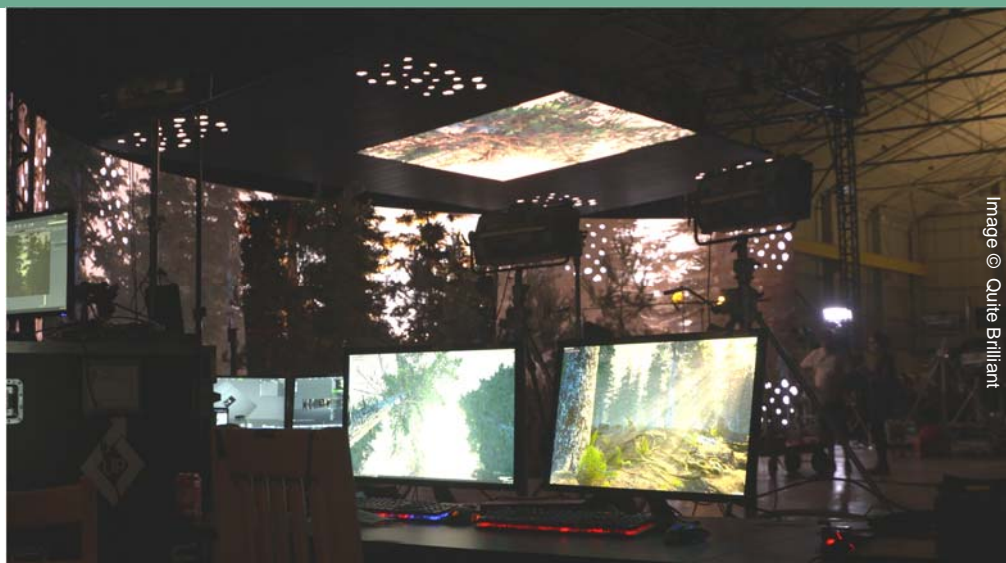


Image © Quite Brilliant

"Of course, there's still ample opportunity for the director and DP to be creative during photography, but the previs can offer a timesaving starting point, one where most of the thinking has already been done."

Virtual production gives the capability to previsualise a film in advance of photography, which presents a fascinating creative opportunity for filmmakers. The 2020 film *Call of the Wild*, based on the Jack London novel and starring Harrison Ford, was previewed to a test audience entirely in previs, using Epic's Unreal engine, before a camera was even used.

When it comes to location shooting, the savings – both financial and environmental – become very significant. Not having to physically transport a film unit and support

services to a remote location (for a few weeks of unpredictable shooting conditions!) is an attractive option for producers. Just capture a few minutes of the optimum sunlight conditions, take it back to the studio and use it at your leisure.

In a virtual background creation, lighting and scenic changes can also be implemented quickly from the Brain Bar, saving on hardware, crews and time. Want that shot at sunrise? You can have the sunrise all day long – or all night – if you like. Want the sun a bit higher? The light a bit warmer? Get rid of that rock? Done. In real-time. Creative teams can all contribute to and agree the shared vision for the production during the extended prep period - before the costs of studio time and talent are incurred.

### About the author

Lee Baldock has been involved in the live entertainment production industry since 1994 as a journalist, editor and public relations agent.

You can get in touch with Lee at  
Email: [lee@lbpr.uk](mailto:lee@lbpr.uk) Tel: +44 (0)7842 808935

Click on the link below to read the article online

[www.lbpr.uk/blog/](http://www.lbpr.uk/blog/)





# AVL WORLD

EUROPE | MIDDLE EAST | AFRICA | AMERICAS

ECO FRIENDLY

No. 93 / MAY 2023

Powerful Visuals For The Thom From Elation Professional  
 AYRTON Spotlight Underneath's Blind Obedience Tour  
 GLP Impression  
 X5 Compact & X5 IP Bar  
 Cameo OTOS B5 & OTOS SP6  
 ROBE iFORTE FS

The Right Time For Robe And Gibboni

# AVL WORLD

EUROPE | MIDDLE EAST | AFRICA | AMERICAS

ECO FRIENDLY

No. 92 / APRIL 2023

TAB/Goose Share  
 Robe Lighting Vision  
 Cameo Illuminates  
 Six Day Cycle Race  
 GLP Hybrid Strobes  
 For Bananahaze  
 Ayrton Domino Wash  
 Ayrton Zonda 9 FX

Elation Lighting For Bruce Springsteen's 2023 World Tour

ROBE

iFORTE

OUR RELIABILITY IN ALL WEATHERS

**CLICK HERE**

SEE MORE

# AVL WORLD

EUROPE • MIDDLE EAST • AFRICA • AMERICAS

www.AVLTIMES.com  
 February 2023 | #90

Amsterdam Music Festival Energises With Robe

GLP Dominate Post Malone's Twelve Carat Tour  
 CLF LED Fan XL  
 AYRTON ZONDA 3 Wash

# AVL WORLD

EUROPE • MIDDLE EAST • AFRICA • AMERICAS

www.AVLTIMES.com  
 March 2023 | #91

ROBE Provides 100% Solution For 1% Quiz  
 CAMEO Lights The Flying Dutchman  
 LD SYSTEMS QUESTRA  
 ELATION KL Panel XL IP  
 ELATION KL Profile FC  
 DEFENDER XPRESS  
 AYRTON Zonda 3 FX

GLP CAPTURES THE MOMENT FOR RAPPYD

it's time for

TE TRANSFERABLE ENGINE

CONTROLLABILITY  
 FLEXIBILITY  
 LUMINOSITY  
 LONGEVITY  
 TRANSFERABILITY

ROBE

www.robe-te.com

ROBE

iFORTE

OUR RELIABILITY IN ALL WEATHERS

SEE MORE