



TDE-lighttech
illuminating creativity

One Fixture.
Every Mood.



Lighting solutions
for theater and hospitality applications

One Fixture. Every Mood.

Meet the Moodspot+Series: a new generation downlights that brings unmatched flexibility to architectural and entertainment lighting. Where most luminaires come in separate versions, the Moodspot+Series combines Warm Dimming, Tunable White, and full RGBW color control into a single, powerful fixture—without compromise.

Designed for theatres, auditoriums, and premium house lighting, the Moodspot+Series delivers a high-quality light output with an exceptionally high CRI. Its advanced Warm Dimming and CCT tuning follow the Black Body Locus, smoothly ranging from 6500K down to a candle-like 1400K, and dimming completely flicker-free to 0.0%. When creative freedom is required, the full RGBW engine opens the door to rich colors and subtle accents.

Powered by the internal IZI-Link+ hybrid LED driver, the Moodspot+Series uses reliable two-wire powerline communication and is fully HD camera-proof. Seamless switching between Warm Dimming, Advanced Tunable White, and RGBW modes makes this fixture truly versatile—one solution for every atmosphere, every application.

DMX-Channels:

Mode name:		1	2	3	4	5	6	7	CCT/Colour range:
M1	Master RGBW	Master	R	G	B	W	-	-	RGBW
M2	RGBW	R	G	B	W	-	-	-	RGBW
M3	TrueTW	Level	CCT	-	-	-	-	-	CCT
M4	TrueWD	Level	-	-	-	-	-	-	WD
M5	Dynamic Auto6	Master	CCT	R	G	B	W	-	CCT + RGBW
M6	Dynamic Select6	Master	R	G	B	W/CCT	Control	-	WD / CCT / RGBW
M7	Dynamic Select7	Master	CCT	R	G	B	W	Control	WD / CCT / RGBW
M8	TrueTW 16bit	Master Coarse	Master Fine	CCT	-	-	-	-	WD / CCT / RGBW
M9	TrueWD 16bit	Master Coarse	Master Fine	-	-	-	-	-	WD / CCT / RGBW
M10	Dynamic Select6 16bit	Master Coarse	Master Fine	R	G	B	W/CCT	Control	WD / CCT / RGBW

MO



MOODSPOT+ SERIES

- **True Tunable White**

Black Body Locus tracking for perfect white tones



- **Full colour RGBW spectrum**

Rich, vibrant colours and smooth pastel tones for creative lighting scenes



- **CCT-tuning from 6500K down to 1400K**

Seamless CCT-tuning to create the right atmosphere from daylight to candlelight

- **Flicker free dimming to 0.0%**

HD camera proof, ultra-smooth dimming thanks to advanced hybrid dimming technology

- **Vibrant and natural light quality**

Fully calibrated LED-Engine with high CRI ($R_a > 90$) and very excellent RED rendering ($R_9 > 90$)

- **Modular hardware design**

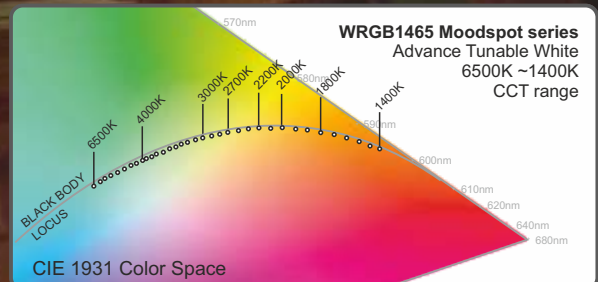
Recessed, bracket, rail and pendant versions for maximum flexibility

- **Izi interchangeable optics and covers**

Low-glare reflectors with excellent colour mixing

- **Izi-Link+ enabled Downlight**

No data cabling required - communication via the 48VDC 2-wire powerline technology



MOODSPOT *series*

The Moodspot series downlights are available in versions with special integrated IZI-Link+ LED drivers for the IZI-Link+ 2-wire 48V Powerline communication system or in versions that require an external LED driver, such as the IZI-DriveCC2+ LED driver.

Moodspot series with integrated IZI-Link+ LED driver:

Type:	LED-engine:	Output:	Power:	Beam angle:
WRGB1465+LP	Advanced Tunable White / WarmDimming / RGBW	800lm	12W	Spot-Medium-Flood-Wideflood
Moodspot+ WRGB1465	Advanced Tunable White / WarmDimming / RGBW	2300lm	35W	Spot-Medium-Flood-Wideflood
WRGB1465-MP*	Advanced Tunable White / WarmDimming / RGBW	2700lm	35W	Spot-Medium-Flood-Wideflood
ATW1450-LP*	Advanced Tunable White / WarmDimming	1000lm	11W	Spot-Medium-Flood-Wideflood
ATW1450-MP*	Advanced Tunable White / WarmDimming	3100lm	35W	Spot-Medium-Flood-Wideflood

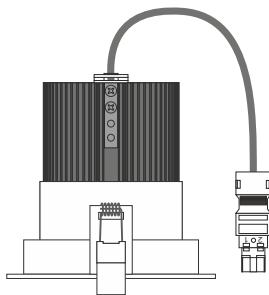
Moodspot series without integrated LED driver (external IZI-DiveCC2+ LED driver required)

Type:	LED-engine:	Output:	Power:	Beam angle:
WD800	WarmDimming	850lm	10W	Spot-Medium-Flood-Wideflood
WD1830	WarmDimming	3000lm	35W	Spot-Medium-Flood-Wideflood
TW1830-LP*	Tunable White / WarmDimming	850lm	10W	Spot-Medium-Flood-Wideflood
TW1830-MP*	Tunable White / WarmDimming	3000lm	35W	Spot-Medium-Flood-Wideflood

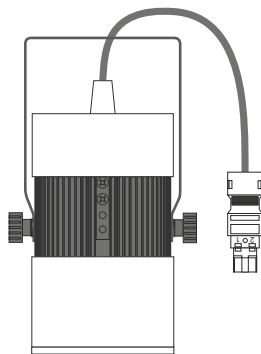
(*) These Moodspot models are under development

Moodspot versions:

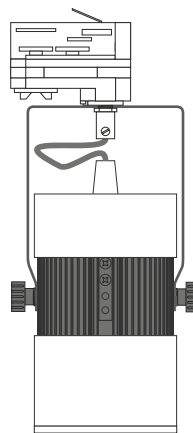
Available in black or white housings
Many options are available,
please inquire about the possibilities.



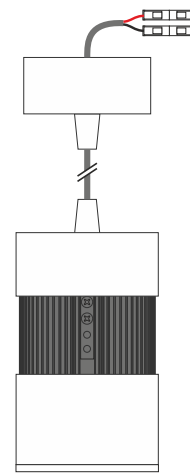
Recessed



Bracket



Track



Pendant



Moodspot+LP WRGB1465



Moodspot+ WRGB1465

MOODLINE series

The Moodline series is a premium range of LED modules designed to integrate perfectly with the Moodspot product family. By combining high-quality components with advanced electronics, Moodline delivers reliable performance and outstanding lighting quality.

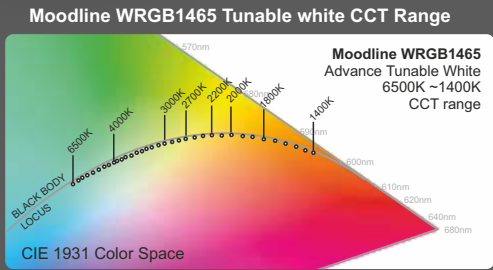
Each Moodline LED module features precision current regulation to guarantee stable lumen output, uniform light distribution and a long service life. Installation is fast and efficient, as all electrical connections can be made without soldering thanks to the innovative contact connection technology.

The Moodline series is supported by an extensive range of purpose-designed aluminium profiles and plastic covers, offering maximum flexibility in both design and application. For optimal control, TDE-lighttech has developed the dedicated IZI-LC6 Mk3 LED driver, specifically tailored to the Moodline series.

For the Moodline WRGB1465 LED module, specially calibrated control modes are available within the IZI-LC6 Mk3 LED driver. These modes are fully aligned with the user modes of the Moodspot WRGB1465, enabling both product lines to be seamlessly combined within a single lighting project.



Special WRGB1465 modes		DMX-Channels:						CCT/Colour range:
Mode name:		1	2	3	4	5	6	
M15	TrueTW	Level	CCT	-	-	-	-	CCT
M16	TrueWD	Level	-	-	-	-	-	WD
M17	Dynamic Select6	Master	R	G	B	W/CCT	Control	WD / CCT / RGBW



MOODLINE LED modules, profiles and accessories

LED-Modules - Contant Voltage series

Type:	LED-type:	CCT:	CRI (@2700K)	Power/Module:	Dimensions:	Control:
MoodLine WRGB1465	W + RGB	1400K~6500K	Ra>90/R9>0	13.2Watt max.	420x21.7mm	CV - 24VDC PWM
RGB4230	RGB	RGB range*	-	7.2Watt max.	420x21.7mm	CV - 24VDC PWM
MTW2540	WW + W	2500K~4000K*	Ra>90/R9>0	12Watt max.	420x21.7mm	CV - 24VDC PWM
MTW2030	WW + W	1800K~3000K*	Ra>90/R9>0	12Watt max.	420x21.7mm	CV - 24VDC PWM
L4242	W	2000K / 6500K*	Ra>90/R9>0	2.8Watt max.	420x21.7mm	CV - 24VDC PWM
M4242	W	2000K / 6500K*	Ra>90/R9>0	7.2Watt max.	420x21.7mm	CV - 24VDC PWM
H4242	W	2000K / 6500K*	Ra>90/R9>0	10.8Watt max.	420x21.7mm	CV - 24VDC PWM

Recommended LED Driver Type: **IZI-LC6Mk3 - 6 Channel 480W CV LED Driver**

LED-Modules - Contant Current series

Type:	LED-type:	CCT:	CRI (@2700K)	Power/Module:	Vf + Imax	Dimensions:	Control:
3012CC	W	1800K~3000K*	Ra>90/R9>0	13.4Watt max.	9.6V / 1400mA	300x21.7mm	CC
MTW3054	WW + W	1800K~3000K*	Ra>90/R9>0	6Watt max.	8.7V / 700mA	300x21.7mm	CC
MTW3660	WW + W	1800K~3000K*	Ra>90/R9>0	7.8Watt max.	8.7V / 900mA	360x21.7mm	CC
MTW580108	WW + W	2500K~4000K*	Ra>90/R9>0	12.1Watt max.	17.3V / 700mA	580x16mm	CC
MTW1180216	WW + W	2500K~4000K*	Ra>90/R9>0	24.2Watt max.	34.6V / 700mA	1180x16mm	CC
MTW1480270	WW + W	2500K~4000K*	Ra>90/R9>0	30.2Watt max.	43.2V / 700mA	1480x16mm	CC

Recommended LED-driver type: **IZI-Drive CC2 - 2 Channel 80W CC LED-driver**

* TDE-lighttech can supply various standard LED modules in standard colors from stock, but specializes in supplying LED modules on project basis.

Please inquire about the options and terms for any demand of your project.

Standard colors available on request are (minimum MOQ apply): 2000K / 2200K / 2500K / 2700K / 3000K / 3500K / 4000K / 4500K / 5000K / 5700K / 6500 and solid colours like Red, Green , Blue, Mint, Violet, Orange, etc.

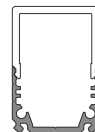
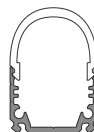
MoodLine profiles:



24mm aluminium low profile with flat, half-round or square plastic covers, in transparent, opal or black opal.
Profiles in anodized silver or black.



24mm aluminium high profile with flat, half-round or square plastic covers, in transparent, opal or black opal.
Profiles in anodized silver or black.



38mm aluminium profile with plastic cover, in transparent or opal.
Profiles in anodized silver or black.

MoodLine accessoires:

Various accessories are available for the aluminium profiles, such as end caps/plates, mounting and assembly materials, suspension systems, connection cables and connectors.

Inquire about the extensive possibilities of the MoodLine series LED lines and luminaires.



IZI-Light Control System

IZI-Light Control System Modules:

IZI-AccessPro

IZI-AccessPro gateway / DMX, RDM, Art-Net, sACN, OSC & DALI-Input controller, 1024ch, realtime clock with programmable scheduler and timers, programmable macro and rules, multiple IZI-Touch display support, build-in OLED display with menu buttons, programmable scenes, sequences and soft patches, 6 playbacks, 4 hardware contact inputs and 32 virtual contact inputs, DIN-rail

IZI-Access

IZI-Access gateway / DMX, Art-Net, sACN, OSC & DALI-Input controller, 512ch, with programmable scenes, sequences and soft patches, 6 playbacks, 4 hardware contact inputs and 32 virtual contact inputs, DIN-rail

IZI-Touch

5.5" High resolution wide angle IPS touch screen, PoE connection, freely programmable display layout, compatible with IZI-AccessPro

IZI-IO

IZI-IO expander for the IZI-Access(Pro) with 8 programmable I/O ports, DIN-rail

IZI-PowerCom+

IZI-Link+ PowerLine Communication interface module, 48VDC, 720W output, DIN-rail

IZI-SplitterMerger+RDM

DMX, RDM, IZI-Link Splitter and Merger module, 2 DMX/RDM inputs, 4 DMX outputs, 2 contact inputs, 24DC~48VDC, DIN-rail

IZI-Link LED-driver Constant Current (CC):

IZI-DriveCC2+

IZI-Link Constant Current LED-driver module, 48VDC, 2 channels, 40W/ch output power, Vf max 40VDC

IZI-Link LED-Driver Constant Voltage (CV):

IZI-LC6mk3

High power Constant Voltage LED-driver, 24VDC, 6 channels, 480W output, 80W/ch output power, DMX control, DIN-rail

IZI-Touch



IZI-Control over:

- 64 Scenes and 12 Sequences over 6 individual Playbacks
- 32 Virtual Contact inputs (to Toggle, Pulse and Trigger Scenes, Sequences, Softpatches, Macro's, Scheduler, Timers and Contact outputs)
- 1024 channels over sACN / Art-Net (512 channels over DMX)

The IZI-way to control your lights

IZI-Touch – Intuitive, Customizable Control at Your Fingertips

The IZI-Touch is a sleek touchscreen device that connects to an IZI-AccessPro over the network. Using the IZI-Supervisor, you can design your own custom interface with buttons, faders, images, and labels—tailored exactly to your installation. Functions can even be protected with a PIN code for secure operation.

One of its greatest strengths appears when multiple IZI-Touch units are linked to the same IZI-AccessPro: every button and fader stays perfectly synchronized across all devices. The screen layout and configuration are automatically downloaded from the IZI-AccessPro, keeping everything consistent and easy to manage.

Whether in theaters, hotels, cinemas, or large multi-zone venues, the IZI-Touch offers effortless, elegant lighting control wherever you need it. The **IZI-Touch** is a freely programmable touchscreen control panel for wall mounting, suitable for use in combination with the **IZI-AccessPro** light controller/gateway.

Features:

- **5.5" Wall Mounted IZI-Touch Control Panel**
Landscape or portrait mounted on standard EU installation boxes
- **High resolution wide angle IPS touch display**
With 1280 x 720 pixels, 10-point capacitive touchscreen, high contrast and 500nits brightness
- **PoE Ethernet connection**
No external power supply needed
- **Automatic synchronization between multiple IZI-Touch displays**
Up to 4 IZI-Touch display may connected to an IZI-AccessPro controller
- **Take full control over most features of the IZI-AccessPro**
64 scenes, 12 sequences, 6 individual playbacks, 32 virtual contactinputs to toggle, pulse and trigger scenes, sequenes, softpatches, macro's, scheduler, timers and contact outputs
- **Freely programmable display layout:**
 - ☐ In total maximum 32 objects with Buttons, Border buttons, Faders, Master faders and labels
 - ☐ Programmable button actions with Toggle, Pulse, Trigger and up to 3 sets of Radiobutton groups all in Normally open (NO) and closed (NC) actions
 - ☐ Programmable colours for buttons, faders, labels and fonts, all for active an inactive states and groups, borders and background.
 - ☐ Screen grid size of 12 x 12 with up to 16 groups, each with a grid size of 12 x 12
 - ☐ Timeout and sleepmode settings with optional PIN-code levels and uploadable custom screensaver image

IZI-Access(Pro)

The **IZI-Access(Pro)** is the heart of an IZI-Link(+) system and this gateway connects the IZI-Link(+) system with DMX+RDM, Art-Net, sACN (Ethernet), OSC and DALI.

The IZI-Access(Pro) is housed in a small DIN-Rail module and has a wide range of connection options, making the module widely applicable.

Numerous functions, programming and settings are possible via the special software environment **IZI-supervisor** and built-in web interface, see a brief overview below. The IZI-AccessPro is a more extensive version of the IZI-Access and features extra functionalities as an extra 2nd universe output (Art-Net/sACN), RDM-support, a Real-time clock with internal battery backup, Scheduler, programmable Timers and Marcos and a handy OLED display on which all kinds of basic settings can be set and read directly (IP address / Status / Event log / etc.).

IZI-Access

- **6 Protocols supported**
DMX-RDM / Art-Net / sACN / OSC / DALI / IZI-Link(+)
- **Ethernet interface**
DHCP / Static IP
- **Build-in webserver**
- **64 Programmable scenes**
with 1024 channel level information
- **12 Programmable sequences**
max. 128 scenes per sequence
- **4 Soft patches**
On DMX, Art-Net and sACN channels
- **6 Playback buffers**
- **Playback masters**
- **4 Hardware contact inputs**
- **32 Virtual contact inputs**
DMX / Art-Net / sACN / OSC / IZI-Link+ modules
- **Input to output mapping**
DMX / Art-Net / sACN

IZI-AccessPro

All functionalities of IZI-Access, including

- **Build-in OLED-display**
with 3 menu buttons
- **2 Universe lightcontroller**
with maximum 1024 output channels
- **RDM support**
Simulates IZI-Link(+) fixtures on RDM-input
- **Second universe In/Output**
on Art-Net / sACN
- **Multiple IZI-Touch display support**
- **Patched universe** (via Art-Net/sACN)
- **Realtime clock with battery backup**
- **Programmable scheduler**
- **Programmable timers**
- **Programmable macros**
- **Programmable rules**
- **Second universe In/Output**
on Art-Net / sACN

The heart of an IZI-Link(+) system



IZI-Access(Pro) connections:

- 1 Power connector
- 2 Access Status LED
- 3 Function switch
- 4 IO LEDs
- 5 USB-B connector
- 6 RJ45 ethernet input
- 7 Dali input
- 8 Dali thru
- 9 DMX / RDM in
- 10 DMX / RDM thru
- 11 DMX / RDM out / IZI-Link
- 12 Contact inputs
- 13 IZI-BUS interface
- 14 IZI-BUS Status LED

IZI-Link+ system

IZI-Link system

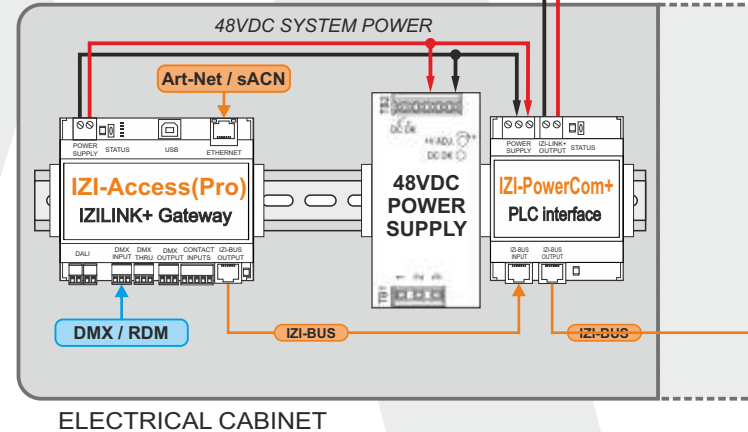
The IZI-Access(Pro) can be used for both the IZI-Link and IZI-Link+ systems. With the IZI-Link+ system, all expansion modules are connected to the IZI-Bus connection. The IZI-Bus consists of a bidirectional high-speed CAN bus for real-time control and monitoring of all data that runs via the IZI-Link+ system. The IZI-Link+ system can be commissioned and monitored with the IZI-supervisor Windows software environment.

With the IZI-Link system, all expansion modules are connected to the DMX / IZI-link output. The IZI-Link system can be commissioned with the IZI-Manager Windows software.

IZILINK+

IZI-Link+
Group-1
0V 48V

IZI-Light Control system



The **IZI-Link(+)** system is designed to simplify the installation and operation of LED lighting.

With the IZI-Link(+) system, separate data cabling (DMX, DALI, Art-Net or sACN) to the fixtures is no longer necessary, which simplifies the installation and makes it less susceptible to interference.

Another major advantage is that (existing) electrical wiring can be (re)used, which makes upgrading old installations to LED simple and cost-saving because no new cabling needs to be installed.



IZI-Supervisor software:

- *IZI-System management tool*
- *Remote commissioning*
- *Access via Ethernet / USB*

IZI-AccessPro

UNIVERSAL LIGHT CONTROLLER & IZI-ACCESS POINT

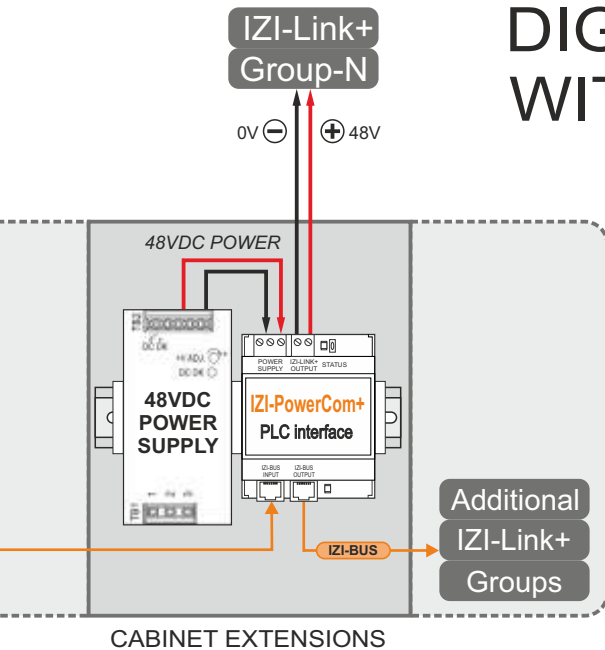
IZI-AccessPro System Controller:

- *1024 Channel lightcontroller*
- *64 Programmable scenes*
- *12 Programmable sequences*
- *6 Individual Playbacks*
- *4 Soft patches*
- *4 Hardware contact inputs*
- *32 Virtual contact inputs*
- *OLED-display + Menu buttons*
- *Support multiple IZI-Touch displays*
- *Realtime clock with battery backup*
- *Programmable scheduler & timers*
- *Programmable macros & rules*
- *Build-in webserver*

Supported Protocols:

- *Art-Net*
- *sACN*
- *OSC*
- *DMX-RDM*
- *DALI input*
- *IZI-Link (+)*

DIGITAL CONTROL WITHOUT DATA-WIRING



This schematic shows a typical IZI-Link(+) installation cabinet. The **IZI-Access(Pro)** serves as the central module, receiving control signals from the lighting console or computer via DMX-RDM or Ethernet (Art-Net / sACN).

Each **IZI-Link(+)** Powerline group includes a **48VDC power module** and an **IZI-PowerCom+ Powerline Interface**.

The number of connected luminaires and/or LED drivers depends on the total load of an IZI-Link+ Powerline group. For larger installations, additional IZI-Link+ Powerline groups can be added to the cabinet to meet the required power capacity.

IZI-Link+

DIGITAL CONTROL
WITHOUT DATA-WIRING

IZI-Link+ Powerline
Communication system:

- 2-wire 48VDC Powerline Network
- No data wiring required
- High system refreshrate (40 fps)
- Suitable for live performance
- Supports up to 1024 channels
- Maximum 720 Watts and 256 channels per IZI-Link+ Powerline
- Fast commissioning
- Live & blind status monitoring, commissioning and updates
- Multiple communication bands
- Event & energy logging

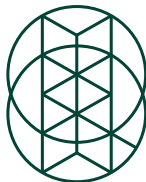
Why IZI-Link+

- 2-Wire 48VDC Powerline system
- No separate data cabling required
- 2-way digital control of lightfixtures/drivers
- Fast communication > 40 frames per second
- Suitable for live show events
- Remote discovery and updates
- Energy and event logging
- Easy installation and maintenance
- Saving installation costs

Hospitality



Z O I K U



Q|O



LED-lighting Room / Cabin

Leveraging our extensive partner network and deep expertise in lighting control and LED technology, we design and deliver fully integrated lighting and control solutions for hotel guest rooms and reception areas of leading international hotel chains, as well as for cabins aboard the world's largest cruise ships.

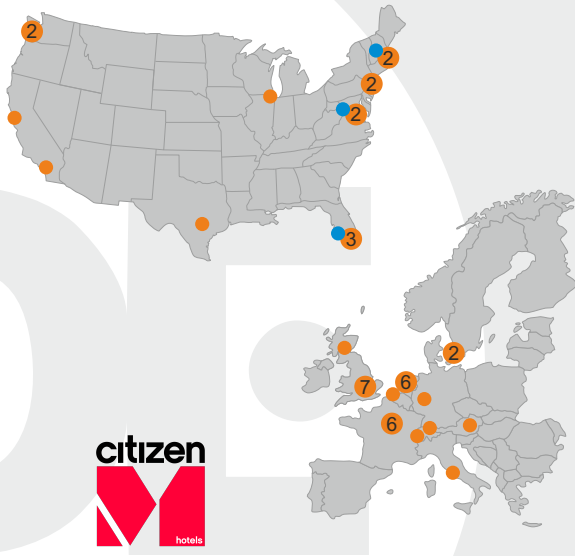
Our systems are carefully engineered to create the perfect ambiance and an intuitive, seamless guest experience. At the same time, they are designed with efficiency and durability in mind — ensuring cost-effectiveness, simplified maintenance, and many years of reliable, worry-free operation.



Where Lighting

Interested in Partnering?

solutions & Control Systems



citizenM hotel projects .

Meets Luxury

Contact TDE-lighttech

Cruiseships



ROYAL CARIBBEAN CRUISES LTD.

ICON ^{OF} THE SEAS



MSC
CRUISES

Celebrity **X** Cruises®



PRINCESS



SILVERSEA

Theaters



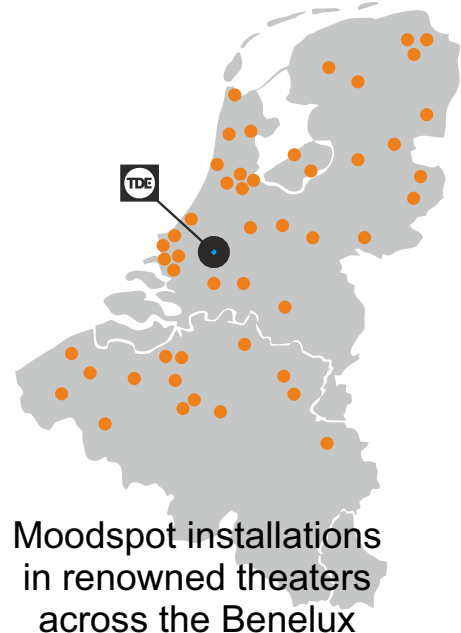
Market leader in theatrical houselighting

Moodspot & IZI-Light system

TDE-Lighttech was among the first manufacturers to introduce professional LED lighting to the market. With the launch of the first Moodspot in 2009, we set a new standard — making it possible to replace conventional halogen lighting with LED technology while preserving the familiar light characteristics and warm dimming behaviour trusted in theatres worldwide.

In recent years, the Moodspot has become a reference standard in theatre lighting. In close collaboration with our distribution partners, we have successfully delivered numerous projects for renowned theatres across the Benelux and Scandinavia.

The Moodspot delivers exceptional light quality with an outstandingly high CRI. Its advanced Warm Dimming and CCT tuning technology precisely follow the Black Body Locus, seamlessly transitioning from crisp 6500K to a candle-like 1400K. The result is a natural and refined dimming curve — completely flicker-free down to 0.0% — ensuring perfect ambience at every level.



Moodspot installations
in renowned theaters
across the Benelux

Muziekgebouw aan 't IJ

Amsterdam, Netherlands

Project realization:

Lichtpunt Theatertechniek, Groningen



- 221x Moodspot WRGB1465
- 21x IZI-Link DMX-interface
- 21x Powersupply 480W/48V
- 3x IZI-Access gateway



Lichtpunt:

"In the summer of 2005, the Muziekgebouw aan 't IJ/Bimhuis was officially opened. In the building designed by the Danish architectural firm 3xN, the hall lighting in the large hall was in urgent need of replacement. Lichtpunt was asked by the building managers to make a plan for this. At the time, the hall lighting was equipped with 220 built-in luminaires with halogen AR 111 lamps with a capacity varying from 50 to 100 Watt. The entire layout of the luminaires was therefore fixed. After many test setups, a newly developed luminaire was finally chosen: The TDE Moodspot WRGB 1465, with a maximum capacity of 34W. By using different beam angles and the possibility to dim each luminaire individually, a good, even light distribution could be created. In close collaboration with the technicians of the Muziekgebouw, everything was supplied and installed by Lichtpunt in 2023.

The Moodspot WRGB is characterized by its high CRI and R9 values. Unique is that this spot dims flicker-free both from and to 0 and fully maintains the "blackbody". This means that during dimming, the color temperature always follows the same curve as natural light sources, such as incandescent lamps. Various modes, such as warm dimming, tunable white and RGBW can be controlled remotely individually per spot via DMX. TDE IZI-Link was used for control via the existing 2-wire cabling, which allowed for significant savings on material and installation costs. At the request of the technicians of the Muziekgebouw, Snoots were also used, among other things to shield the light from the walls, which are illuminated separately with LED strips."

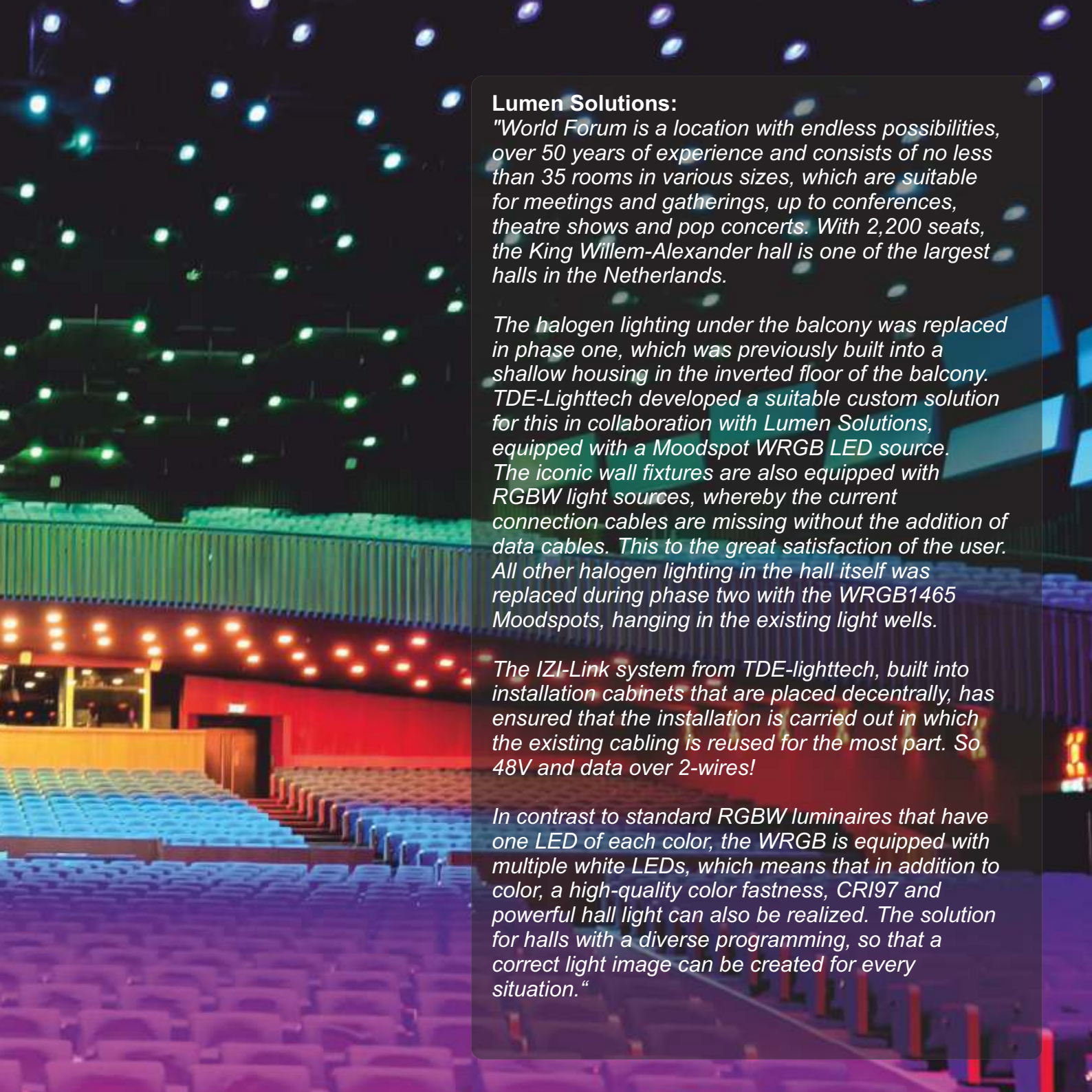
World Forum

The Hague, Netherlands

Project realization:
Lumen Solutions, Alphen aan den Rijn



- 417x Moodspot WRGB1465
- 16x IZI-Drive CC4 LED-driver
- 96x Castor RGBW LED-module
- 43x IZI-Link DMX-interface
- 43x Powersupply 480W/48V
- 6x IZI-Access gateway



Lumen Solutions:

"World Forum is a location with endless possibilities, over 50 years of experience and consists of no less than 35 rooms in various sizes, which are suitable for meetings and gatherings, up to conferences, theatre shows and pop concerts. With 2,200 seats, the King Willem-Alexander hall is one of the largest halls in the Netherlands.

The halogen lighting under the balcony was replaced in phase one, which was previously built into a shallow housing in the inverted floor of the balcony. TDE-Lighttech developed a suitable custom solution for this in collaboration with Lumen Solutions, equipped with a Moodspot WRGB LED source. The iconic wall fixtures are also equipped with RGBW light sources, whereby the current connection cables are missing without the addition of data cables. This to the great satisfaction of the user. All other halogen lighting in the hall itself was replaced during phase two with the WRGB1465 Moodspots, hanging in the existing light wells.

The IZI-Link system from TDE-lighttech, built into installation cabinets that are placed decentrally, has ensured that the installation is carried out in which the existing cabling is reused for the most part. So 48V and data over 2-wires!

In contrast to standard RGBW luminaires that have one LED of each color, the WRGB is equipped with multiple white LEDs, which means that in addition to color, a high-quality color fastness, CRI97 and powerful hall light can also be realized. The solution for halls with a diverse programming, so that a correct light image can be created for every situation."

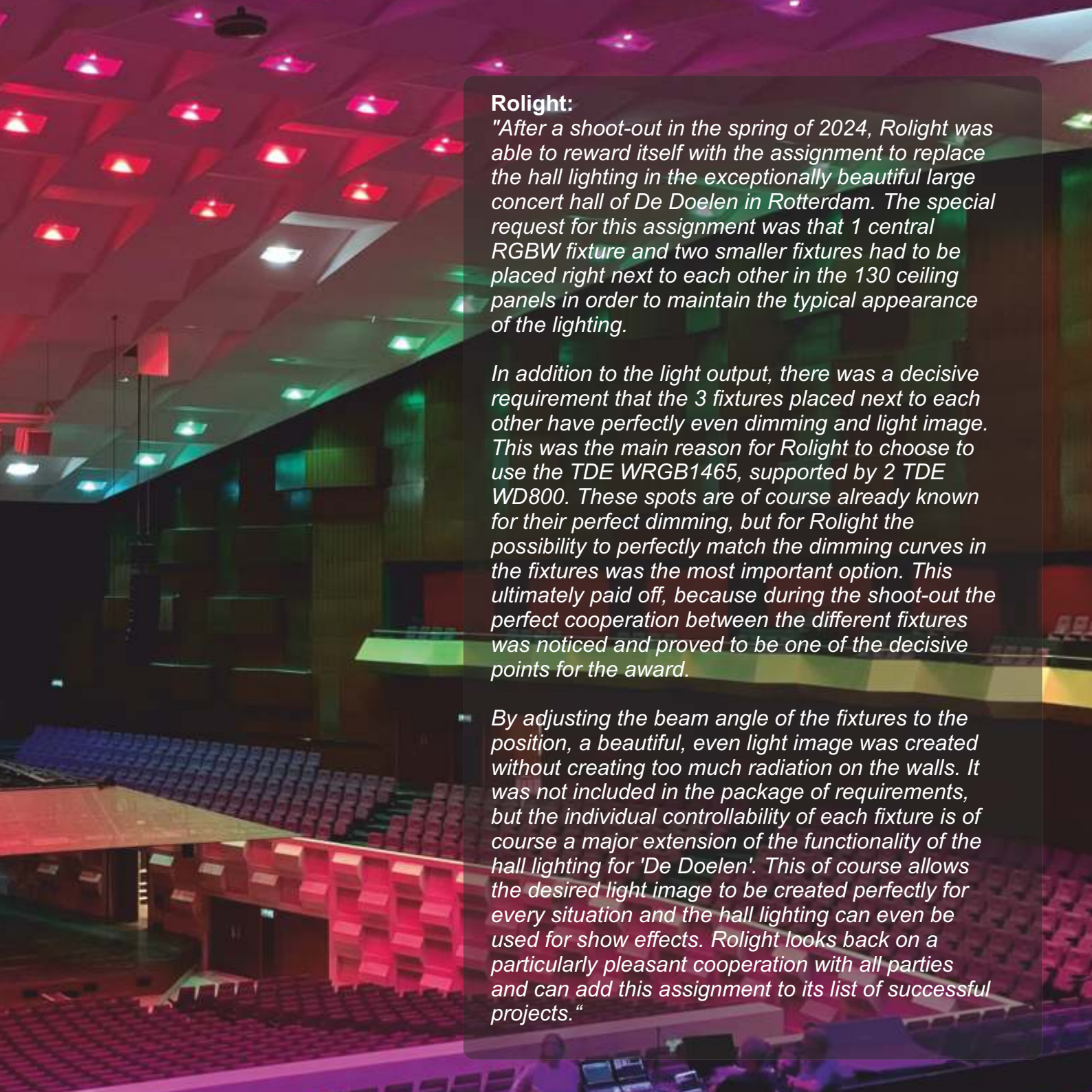
De Doelen

Rotterdam, Netherlands

Project realization:
Rolight Theatertechniek, Enschede



- 130x Moodspot WRGB1465
- 260x MiniMoodspot Wd800
- 130x IZI-Drive Cc2 LED-driver
- 20x Powersupply 480W/48V

The background image shows the interior of a large concert hall. The ceiling is a complex, geometric structure with many recessed lighting fixtures. The seating is tiered and consists of many rows of seats. The overall atmosphere is modern and architectural.

Rolight:

"After a shoot-out in the spring of 2024, Rolight was able to reward itself with the assignment to replace the hall lighting in the exceptionally beautiful large concert hall of De Doelen in Rotterdam. The special request for this assignment was that 1 central RGBW fixture and two smaller fixtures had to be placed right next to each other in the 130 ceiling panels in order to maintain the typical appearance of the lighting.

In addition to the light output, there was a decisive requirement that the 3 fixtures placed next to each other have perfectly even dimming and light image. This was the main reason for Rolight to choose to use the TDE WRGB1465, supported by 2 TDE WD800. These spots are of course already known for their perfect dimming, but for Rolight the possibility to perfectly match the dimming curves in the fixtures was the most important option. This ultimately paid off, because during the shoot-out the perfect cooperation between the different fixtures was noticed and proved to be one of the decisive points for the award.

By adjusting the beam angle of the fixtures to the position, a beautiful, even light image was created without creating too much radiation on the walls. It was not included in the package of requirements, but the individual controllability of each fixture is of course a major extension of the functionality of the hall lighting for 'De Doelen'. This of course allows the desired light image to be created perfectly for every situation and the hall lighting can even be used for show effects. Rolight looks back on a particularly pleasant cooperation with all parties and can add this assignment to its list of successful projects."

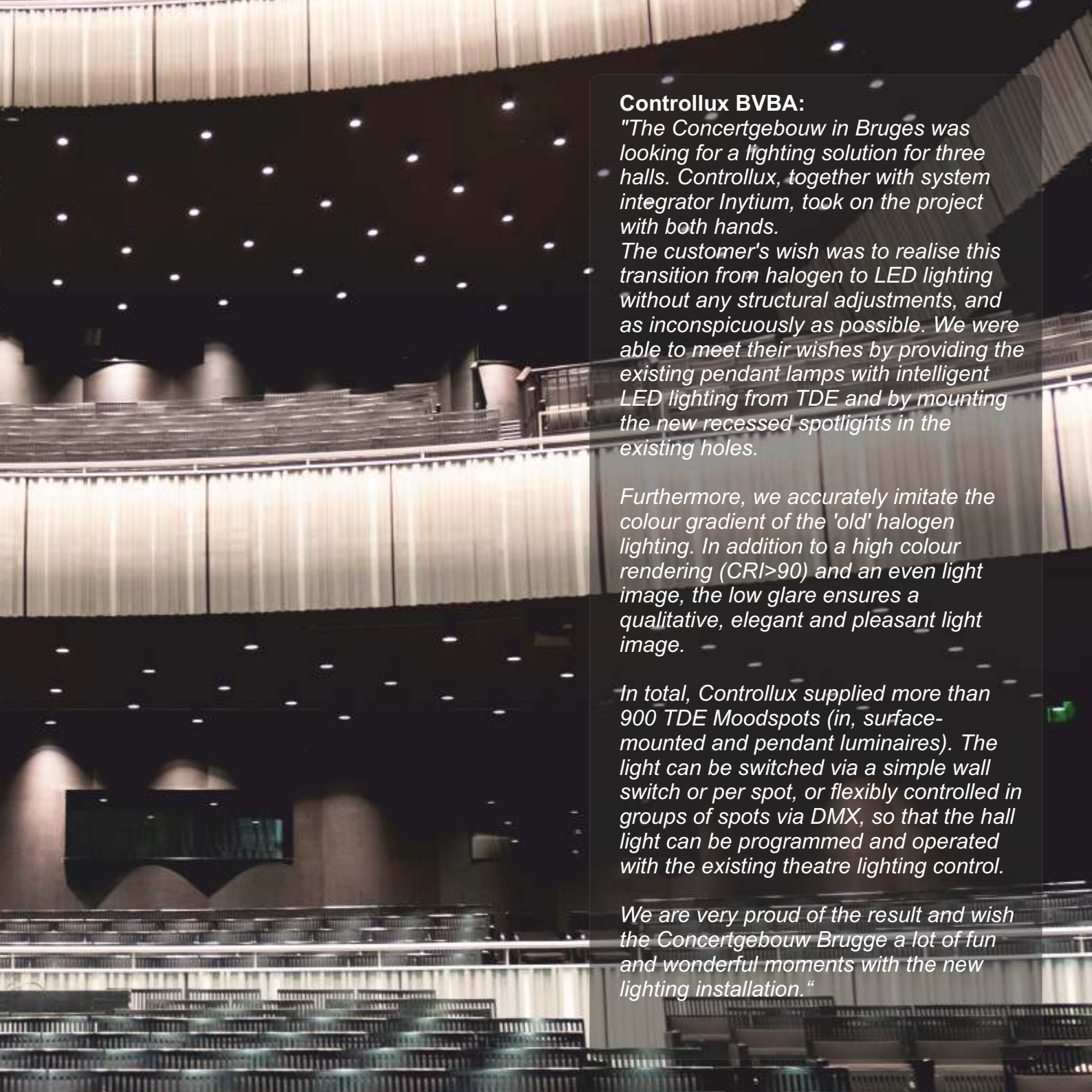
Concertgebouw Brugge

Brugge, Belgium

Project realization:
Controllux BVBA België & Inytium



- 148x Moodspot WD1830
- 670x Rigel Surfacemount spotlight & MiniMoodspot WD800
- 810x IZI-Drive CC2 LED-driver & IZI-Drive CC1 custom
- 45x IZI-Link DMX-Interface
- 6x IZI-Access gateway

The background image shows the interior of the Concertgebouw in Bruges. It features a large, dark, curved ceiling with numerous small, recessed spotlights. Below the ceiling, there are several tiers of seating, likely for an orchestra or choir, and a large, dark, curved structure that appears to be part of the stage or a large piece of furniture. The lighting is warm and focused, creating a dramatic atmosphere.

Controllux BVBA:

"The Concertgebouw in Bruges was looking for a lighting solution for three halls. Controllux, together with system integrator Inytium, took on the project with both hands.

The customer's wish was to realise this transition from halogen to LED lighting without any structural adjustments, and as inconspicuously as possible. We were able to meet their wishes by providing the existing pendant lamps with intelligent LED lighting from TDE and by mounting the new recessed spotlights in the existing holes.

Furthermore, we accurately imitate the colour gradient of the 'old' halogen lighting. In addition to a high colour rendering (CRI>90) and an even light image, the low glare ensures a qualitative, elegant and pleasant light image.

In total, Controllux supplied more than 900 TDE Moodspots (in, surface-mounted and pendant luminaires). The light can be switched via a simple wall switch or per spot, or flexibly controlled in groups of spots via DMX, so that the hall light can be programmed and operated with the existing theatre lighting control.

We are very proud of the result and wish the Concertgebouw Brugge a lot of fun and wonderful moments with the new lighting installation."

Kuhmo Talo

Kuhmo, Finland

Project realization:
Intersonic, Espoo



- 160x Moodspot TW2000
- 36x Moodspot RGBW
- 20x IZI-Link DMX-Interface
- 20x Powersupply 480W/48V



Projects Norway

Lahti, Trondheim,

Project realization:
Creative Technology



ProjectL Lahti City Theater, Lahti

- 154x Moodspot TW2000
- 38x Moodspot RGBW
- 20x IZI-Link DMX-Interface
- 20x Powersupply 480W/48V



Project: Olavshallen, Trondheim

- 394x Moodspot WD1830
- 264x IZI-Drive CC2 LED-driver
- 60x IZI-Drive CC4 LED-driver
- 71x IZI-Link DMX-Interface
- 71x Powersupply 480W/48V



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TDE-lighttech is a pioneering Dutch company designing and manufacturing tailor-made LED solutions, built on more than 36 years of expertise in professional lighting and control.



TDE-lighttech

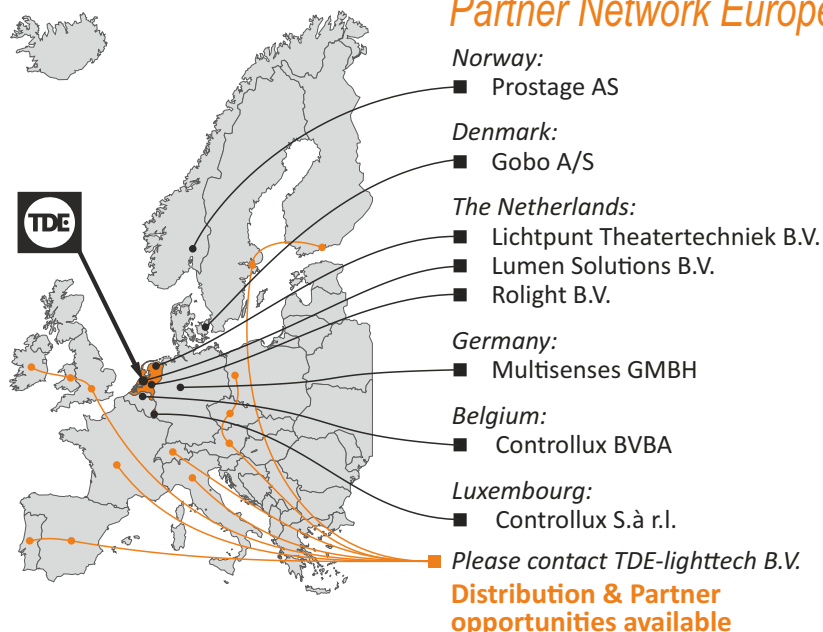
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