

# Krypton Series



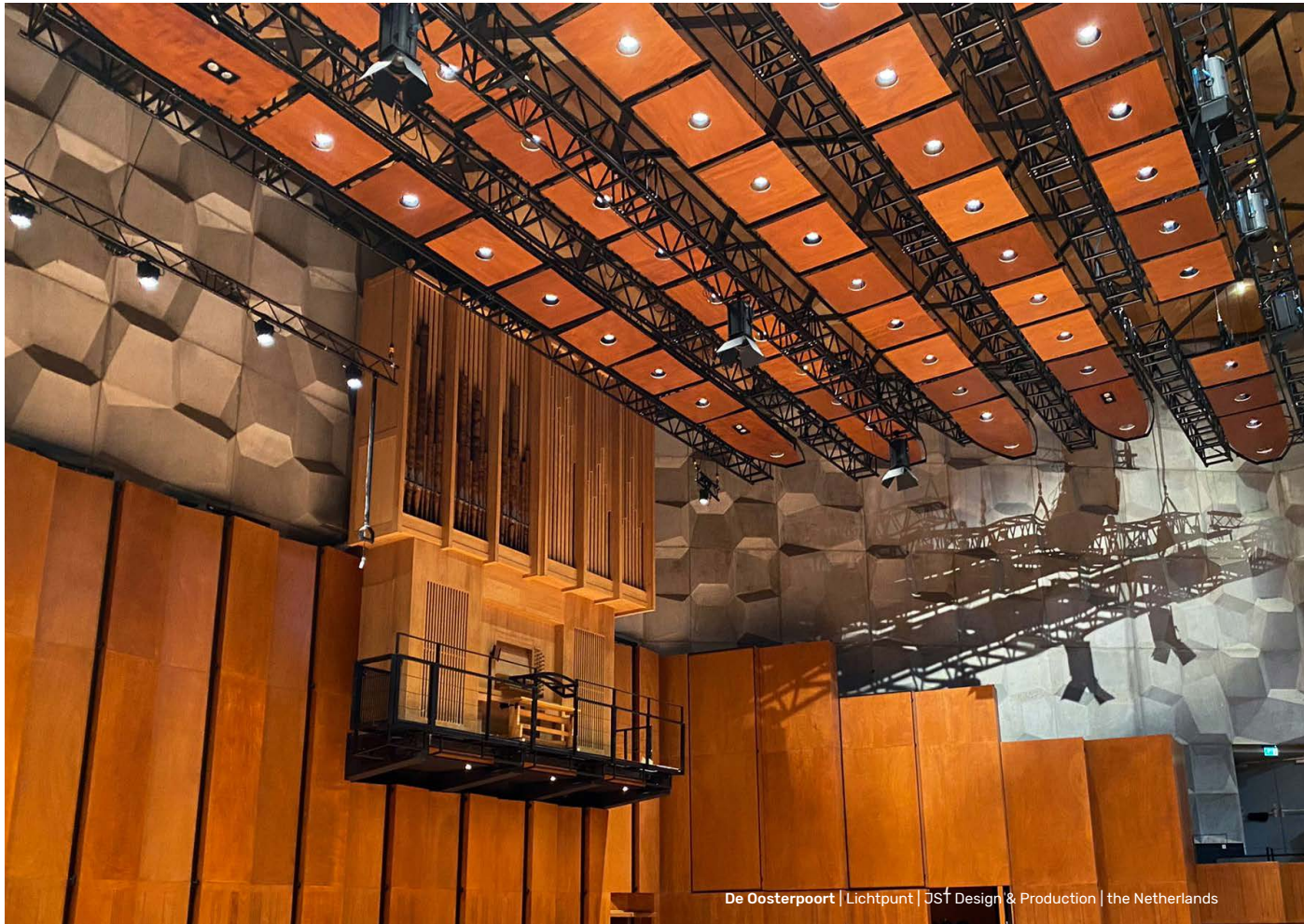


> **Krypton Series** Surface-mounted & Recessed Fixtures

The Krypton Series offers the ultimate lighting solution for large, high spaces where high-quality white light with perfect colour rendering is desired, creating a natural lighting atmosphere. This can be seamlessly combined with features such as:

- > the ability to programme the light colour from warm white to daylight tones.
- > the use of pure white light of the highest possible quality.
- > the option to programme both functional white light and ambient coloured lighting.

**Typical applications of the Krypton**  
Typical applications of the Krypton include: Concert halls, theatres, performing arts venues, multi-purpose exhibition centres, event spaces, conference centres, churches, TV studios, atriums, tall meeting rooms, cruise ships, sports stadiums, and many other halls and architectural spaces.



**Why is the Krypton a unique and ideal lighting solution for so many locations?**

- > With its high light output combined with a choice of premium optics, the Krypton is suitable for spaces with ceiling heights of up to an impressive 24 metres.
- > Thanks to its advanced electronics, the Krypton is completely flicker-free, making it a safe and reliable choice for any venue where TV or film cameras are in use.
- > The latest dimming technology enables an exceptionally smooth dimming curve all the way down to 0.001%, which is of paramount importance for theatres and performance venues.
- > The fixture features a passively cooled heat sink, designed in-house by CLS, which ensures completely silent operation. (Many fixtures in this power range rely on fans, which can lead to disruptive noise over time.)
- > As CLS designs and manufactures in the Netherlands, we can offer fully bespoke solutions – including custom mounting options, tailored housing colours, and an extensive selection of LED modules.
- > Our fixtures are built with a **fully modular design**. This means that even after 10 to 15 years of use, individual components can still be replaced. The LED modules are not glued in but can easily be swapped using connectors.



**High-quality light without compromise**

The most important argument, however, is this: nearly all RGBW fixtures rely on a large number of low-power red, green, blue, and white LEDs. These are combined in an attempt to generate white light.

The major drawback of this approach is that, over time, the individual colour channels begin to drift relative to one another. The result? After several years, each fixture may produce a slightly different shade of white. In environments where lighting quality is of utmost importance – such as conference centres, exhibition halls, multifunctional venues, meeting spaces, and churches – this can lead to significant problems.

CLS has resolved this issue by placing a centrally located, high-quality white light LED module with a CRI of up to 98 at the heart of the fixture. Because there's no need to mix different coloured LEDs to achieve white light, its output remains stable for years to come.

The colour modules are then used purely to bathe the space in a wide variety of coloured tones, allowing for full creative flexibility. This ensures many years of trouble-free operation, with consistently high-quality white light – perfect for illuminating people, objects, and reading materials with precision and clarity.



> **Krypton Series** Surface-Mounted & Recessed Fixtures

**Control, Dimming and Camera Use**

The Krypton can be controlled in the following ways:

- > DMX512
- > Wireless DMX
- > Casambi Bluetooth

Its dimming capabilities are truly world-class, with a range that goes down to less than 0.001% – and remains exceptionally smooth, even at the lowest levels. The control electronics enabling this took three years of dedicated development, involving entirely new hardware and software. The result is a fixture that dims with unmatched linearity, achieving levels previously thought impossible in high-power fixtures.



The Krypton can be addressed in multiple ways:

- > Manually, using a small magnet – ideal in situations where other methods are unavailable.
- > Via RDM\*, which is standard on most lighting control systems in entertainment environments.

\* Currently in development

For TV recordings and live streams, the Krypton offers a high refresh rate, ensuring flicker-free performance and trouble-free use with cameras.



**Choose your preferred data connection**

Signal passthrough is available via a range of professional-grade connectors:

- > Neutrik Ethercon RJ45 connectors
- > XLR 3-pin or 5-pin
- > Power can be looped through using PowerCon connectors



Neutrik Ethercon RJ45 Connectors

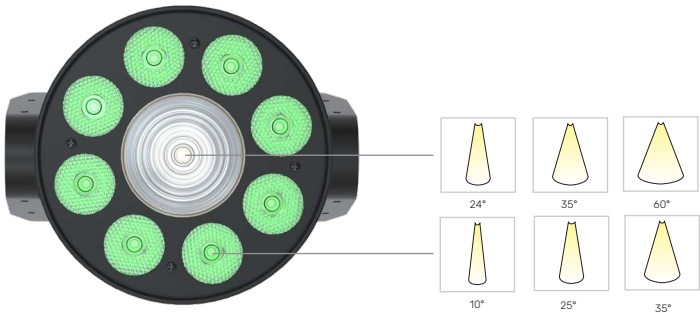
Available in XLR 3-pin or 5-pins

| Because lighting is an art

**Optical options & visual comfort**

A unique feature of the Krypton is the ability to combine different optics within a single fixture. This provides lighting designers with the freedom to create innovative and versatile lighting plans.

One example is using a wide-angle optic for the central white light source, combined with narrow-beam optics for the RGB LED modules. This allows even white light distribution across a venue, while enabling striking coloured effects with defined beams during events.



**Honeycomb accessory for glare reduction & aesthetic finish**

To minimise direct view of the light source, CLS offers an optional honeycomb louvre that can be easily attached via a clever magnetic mechanism. In addition to reducing glare, the honeycomb also enhances the visual appearance of the fixture, providing a neat and refined finish.



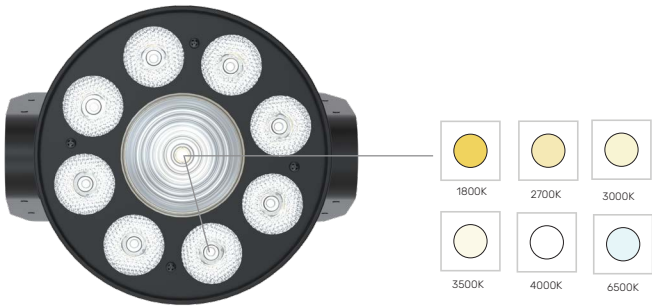
**Light colour options**

By default, you can choose from the following combinations, all available with a CRI of >80, >90, or >95:

> **Single white colour temperature for both the central module and outer ring.**

This is often ideal for general lighting applications. For example, this configuration was used in the high meeting chamber of the Provincial Government of Gelderland, where meetings are frequently live-streamed. High brightness combined with accurate colour rendering for lifelike representation of people was essential, as was flicker-free performance for camera use. Following extensive testing, the Krypton from CLS proved to be the optimal solution.

White light options

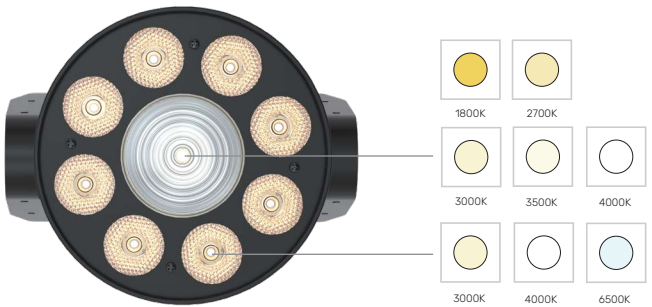


> **Tunable White – with independent selection of white light for the central module and outer ring.**

Choose from 1800K, 2700K, 3000K, 3500K, or 4000K for the central module, and combine with a higher colour temperature in the outer ring. The combination possibilities are nearly endless. Popular configurations include:

- > 1800K–3000K for a broad palette of warm tones
- > 1800K–4000K for warm ambient light and brighter, clear white lighting for cleaning tasks
- > 2700K–6500K for multifunctional spaces such as conference centres and exhibition venues

Tunable White options



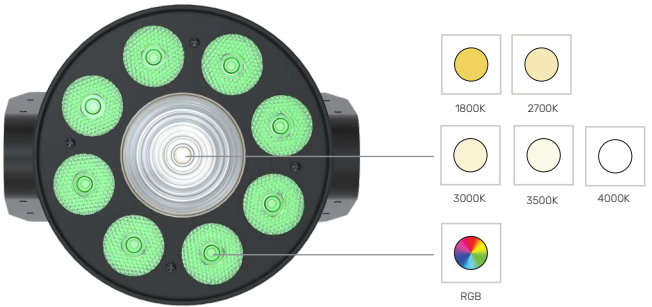
> **White light with colour options**

For applications that require consistently high-quality white light even after many years of use – but where there's also a need to adapt the ambience of the space with ease – Krypton provides a uniquely versatile solution.

With the RGB-W variant, you can select any white tone as the main light source for general lighting. RGB LED modules in the outer ring allow the venue to be transformed into any atmosphere with a simple control command.

Additionally, the white light can be subtly warmed or cooled by adding red or blue tones from the colour ring – offering even more flexibility to match the desired mood or function.

White light with colour options



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> **Krypton Series** Surface-Mounted & Recessed Fixtures

**Mounting & customisation options**

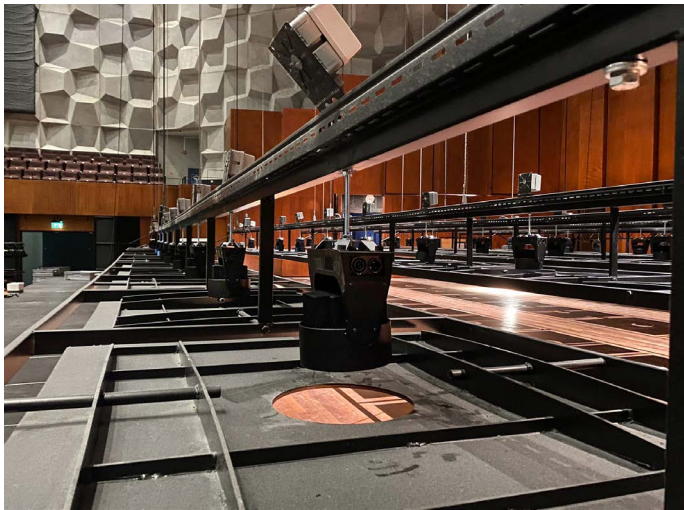
CLS is renowned for its innovative, tailor-made solutions. The Krypton fixture comes standard with a mounting plate that is compatible with a wide range of standard brackets.

In addition, CLS's in-house R&D department can swiftly provide custom mounting solutions for virtually any type of ceiling or structural integration.

Full customisation of the entire fixture is also possible, depending on minimum order quantities to be determined. For example, a special version was developed for one of Germany's largest venue complexes, where the fixture was adapted for wall mounting and supplied in a completely white finish.



Krypton fixtures installed in groups of 4 in the meeting room of the Provincial Council Gelderland, the Netherlands



Krypton mounted in De Oosterpoort Groningen, the Netherlands



Krypton mounted in Stadthalle Bielefeld, Germany



Krypton Gallery



Krypton with truss bracket



Krypton with custom mounting bracket



# > Krypton Series

Surface-mounted & Recessed fixtures

## Modular design

Thanks to its fully modular design, the Krypton Series can be upgraded as new technologies emerge – meaning the fixtures never become obsolete. The highly efficient passive heat sink eliminates the need for active cooling, keeping maintenance to an absolute minimum.

## CLS - Creative Lighting Solutions

CLS is a Dutch manufacturer of high-quality and innovative LED solutions. With over 35 years of experience in the world of professional lighting – and nearly 25 years dedicated to lighting development – we are a stable and trusted partner. Thanks to our custom configurations and the use of premium components, our fixtures deliver the perfect solution for any project.

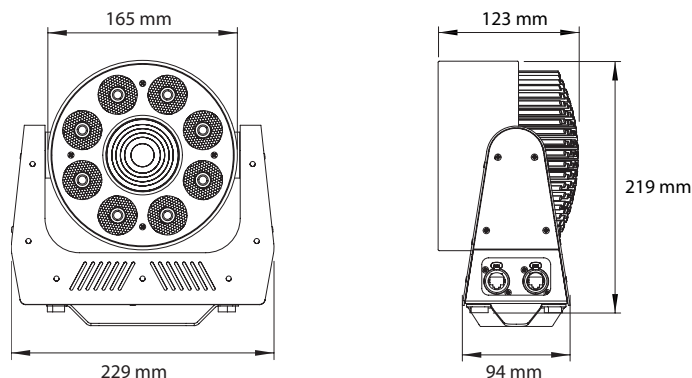


Stadthalle Bielefeld | Werning Theatertechnik | Bielefeld, Germany

## Technical specifications

LED:	COB / High power LEDs		
Available colours:	White:	1800K, 2700K, 3000K, 3500K, 4000K & 6500K	
	Colour:	RGB & Tunable White	
Beam angles:	Central LED:	24°, 35° or 60°	
	Outer ring:	10°, 25° or 35°	
Power Supply:	100 ~ 240 VAC		
Power Consumption:	Max 93 Watt		
Housing:	Black or white coated aluminium		
IP Rating:	IP20		
Ambient Temperature:	-10 °C tot 40 °C		

## Dimensional drawings



## Icons

### Colour & colour temperature options



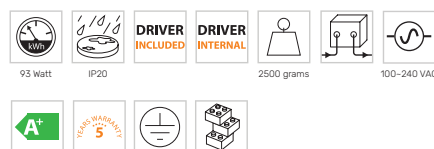
### Beam angles



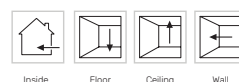
### Housing & finish



### Other specifications



### Mounting options



### Control methods

