

Krypton Series



> **Krypton series** Surface mounted fixtures

The Krypton series is the ultimate lighting solution for large venues. More and more venues are in need of perfect dimming, long lasting, high quality white light for functional events, but also want to be able to create different moods by programming colours or different types of white light.

Typical applications

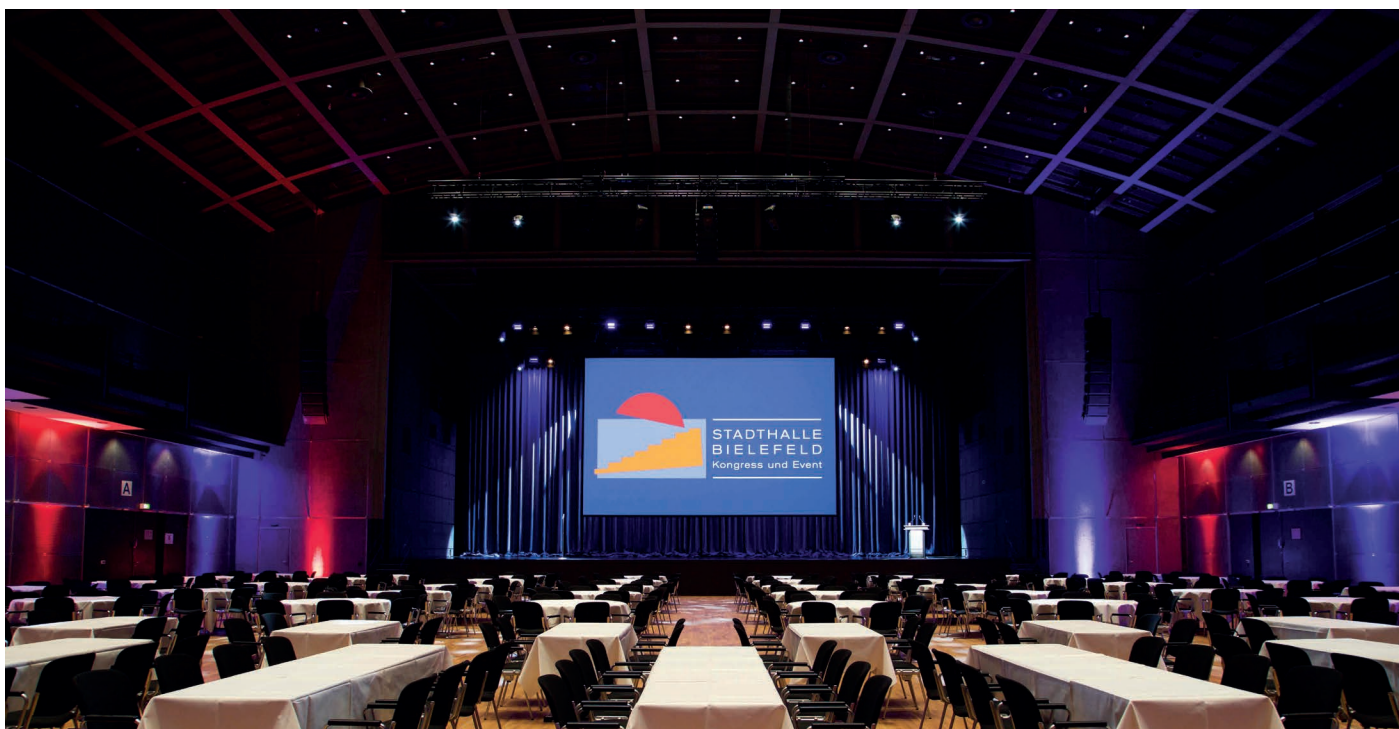
The applications are numerous. Concert halls, theatres, event centres, TV studio's, shopping malls, houses of worship and other spaces where one wants to create different moods to change the atmosphere. Due to its massive light output the Krypton can be used in venues with heights of more than 18 metres. The fixture is completely silent as it uses no fans, this means that this fixture is maintenance free in every way.

Designed in cooperation with real users

The Krypton series has been designed in close cooperation with one of the largest concert hall/event centres in Germany. After several sessions with the lighting designer, the technical department and the maintenance team. A list of essential specifications and wishes was put together.

During the design process, the R&D team of CLS stayed in close contact with the customer's team to evaluate several milestones in the design process. The result is a perfect lighting solution for venues worldwide.





High quality Light without compromise

The Krypton series is unique. As the white light component of the krypton is a pure white light CoB module, there is no risk of so called colour shifting as is often seen with fixtures that use a mixture of RGBW LED sources to create white light.

CLS is a project oriented manufacturer. Because of this customized versions such as Tunable White are available. Lighting designers can choose both the colour temperature for the central LED source as well for the outer ring.



Krypton Bielefeld



With the installation of Krypton fixtures in a venue, one can be assured of a perfect white light ambiance over a period of many years. An excellent Colour Rendering Index (CRI) is guaranteed.

For applications where only high quality white light is desired, the Krypton can be equipped with the same colour temperature for all light sources.

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Choice from several optical systems

Lighting designers and users can choose between different optics for both the white light and the RGB section. This gives the freedom to choose between wash, mid-air or narrow beam effects for the RGB section. These options are of course also available in case of a tunable white or fixed white light version.



Several dimming methods & CLS Dynamic Soft Dim.

The Krypton offers a choice of different dimming methods:

- > Hybrid dimming
- > Full Analog dimming

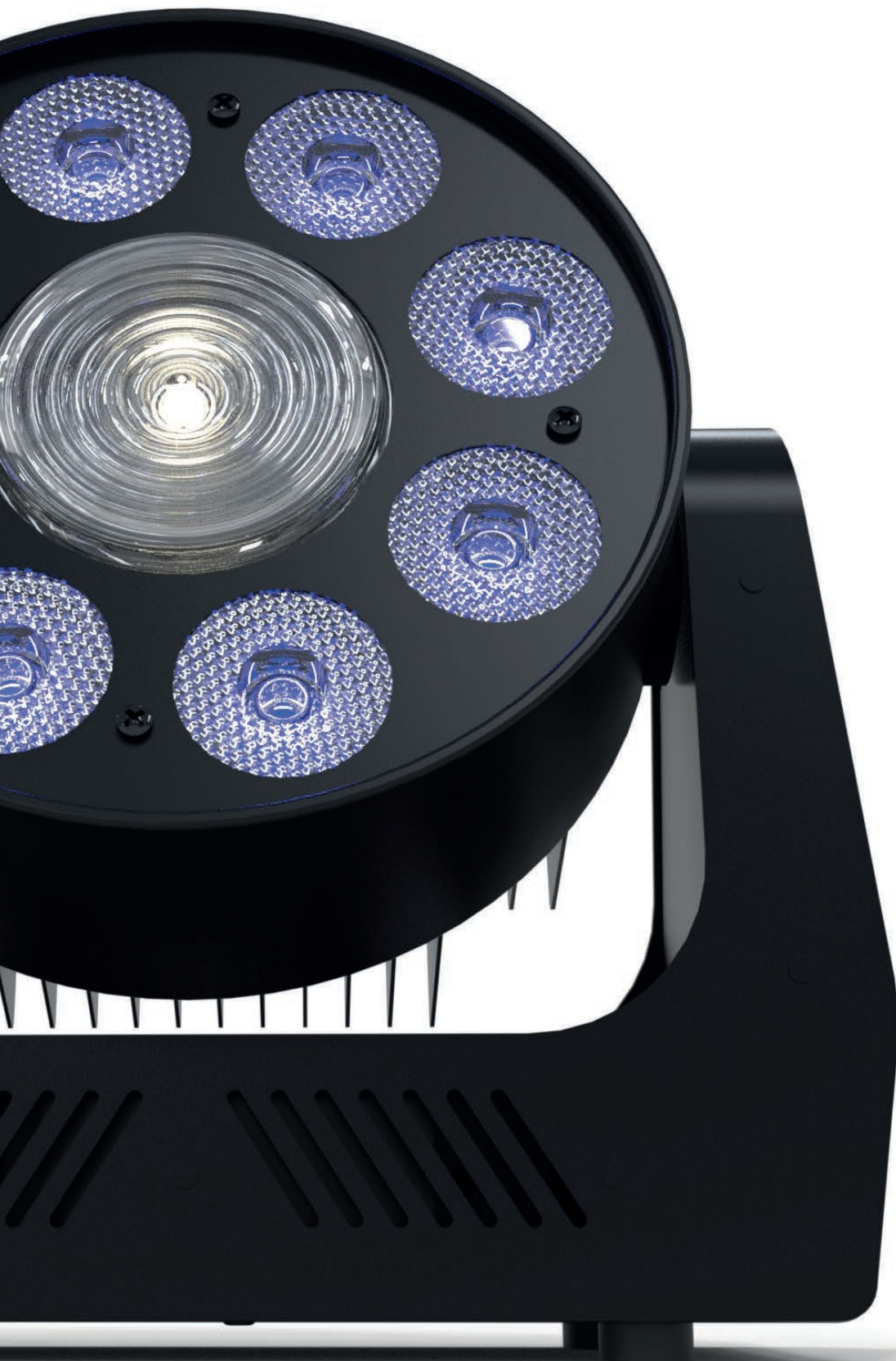


Camera flickering is no longer an issue with the Hybrid or Full Analog dimming setting. Soft smooth dimming to very low levels is ensured with a Dynamic Soft Dim channel. When Dynamic Soft Dim is activated, the channel after the colour channels is used to set the grade of soft dim. You can control the grade from 0 to 255 where 0 will have no soft dim and 255 will have the longest soft dim. The Dynamic Soft Dim channel ensures that both extreme fast strobe effects as well as very slow dimming scenes can be programmed.

DMX and Optional Wireless DMX 512

For venues where it is not possible to install a wired DMX system, CLS offers a the option to have the Krypton equipped with a wireless DMX control system.





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Multiple mounting possibilities

The Krypton is delivered with a mounting plate, on which customers can mount their favourite clamp. The Krypton can also be used as floor standing fixture.



Choose your own data connection system

Daisy chaining the signal is possible with a choice of:



Neutrik Ethercon RJ45 connectors



available in XLR 3 or XLR 5 pole

Customized versions on request

CLS is known for its innovative customized products. Depending on your ceiling construction, we can design and supply special mounting plates for your needs. On the pictures you see some custom built versions that were part of the project solution for the Stadthalle Bielefeld.

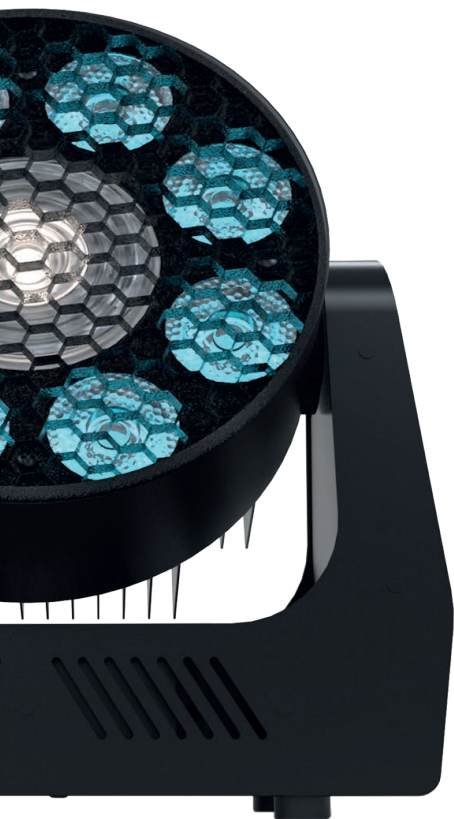


Krypton Gallery

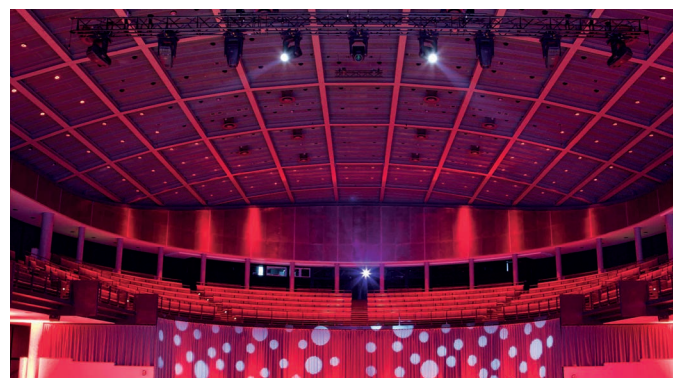


Honeycomb available for reducing glare or aesthetic purposes

With the optional honeycomb customers can decide if they want to see the front lenses of the Krypton or if they prefer a "black" surface. The honeycomb is also a useful tool, when it comes to glare reduction. The honeycomb easily snaps to the front with a dedicated magnetic locking system. In case of specific regulations, it is also possible to attach the honeycomb with a screw



Krypton with honeycomb



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Modular design

As the Krypton series is fully modular, the fixture has the possibility to be upgraded with future developments. so Kryptons are never outdated. Due to the very effective heat sink, there is no need for active cooling. This means that maintenance activities are kept to a minimum.



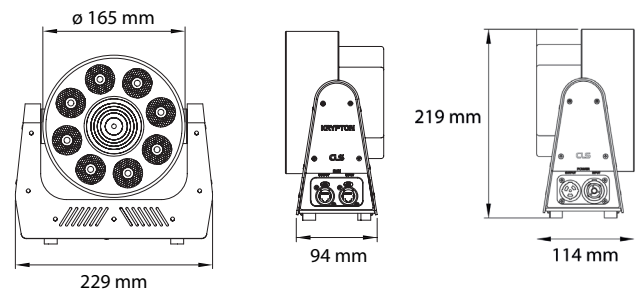
Krypton white version



Technical specifications

LED:	Bridgelux, Lumileds
Available Colours:	Single Colour: 2700K, 3000K or 4000K Colour changing: RGB & Tunable White
Beam angles:	Single Colour: 24°, 35° or 60° Colour changing: 10°, 25° or 35°
Power supply:	100 ~ 240 VAC
Power consumption:	Max 93 Watt
Housing:	Black coated aluminium
IP value:	IP20
Ambient temperature:	-10 °C till 40 °C

Measurements



Icons

Colour & colour temperatures



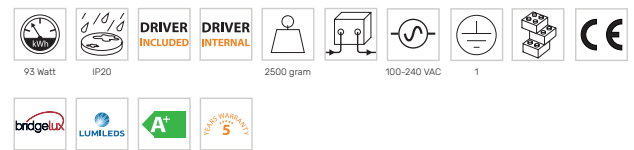
Optics



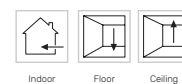
Housing & finish



General specifications



Mounting options



Control options



Pictures:
Congress and Event Centre Stadthalle Bielefeld