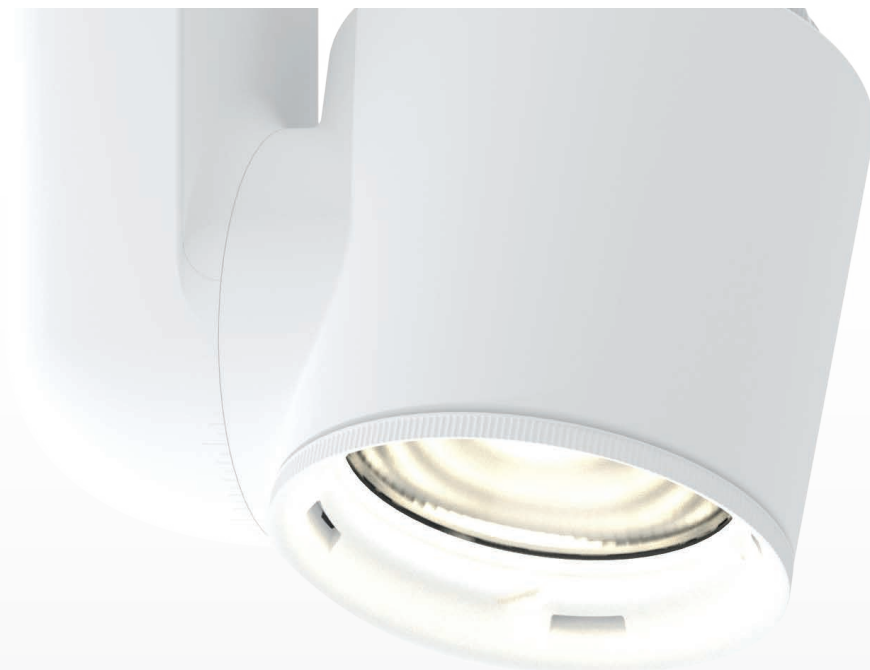


Jade Expo Series

Track fixtures



> Jade Expo series Track fixtures

CLS Jade Expo

The Jade Expo is the ultimate fixture for the illumination of collections in museums and galleries, as well as for use in high-end retail environments. Due to the combination of an excellent light quality, the compact measurements, the choice between many dimming and control options and the large amount of useful accessories and last but not least an affordable price tag, the Jade will be the obvious choice for lighting designers worldwide.

The patented design has been developed in close collaboration with leading lighting designers, who were asked to state all the product features they would like to see in a fixture range. From a series of various designs, the current design was unanimously chosen by designers and architects with backgrounds in both museum- and high end retail applications.

What makes the CLS Jade Expo so unique in terms of specifications and lighting experience?

Excellent Colour Rendition

CLS offers designers a wide choice of available light colours. Where for some applications the highest possible light output is essential, in other cases the quality of the colour rendition is of utmost importance.

The Jade Expo can be equipped with the latest generation of High Power LED modules.

Not less than 3 different CRI values are available;

- > CRI=90
- > CRI=96
- > CRI=98



High Level of Visual Comfort

The Jade is standard equipped with a soft diffusion filter with a special surface texture of the lens resulting in a remarkably fine and soft light beam that is fully homogeneous.

The CLS engineers have developed a dedicated COB with excellent colour mixing characteristics.



Lumen Performance

The Jade Expo is available in different power consumptions with effective light outputs up to 3500 or 4500 lumen.



The Jade Expo HP uses a new designed heatsink, allowing a power increase of as much as 40% within the existing dimensions.



Changing Beam Angles Within Seconds

Each Jade Expo comes equipped with an accessory holder. By using the CLS fixture configurator designers can choose between not less than 5! different beam angles; 19°, 33°, 42°, 70° & 55 x 22°. If a different beam angle is desired, it takes only seconds to remove the accessory holder and by mounting a different CLS beam shaper into the accessory holder the desired beam angle is available.



Unique Accessory Holder

With the accessory holder and its unique flexible clamping system, designers can install an accessory package varying from 1 to 5 mm. Multiple filters and accessories can be combined giving designers maximum beam control.





Zuiderzee Museum, The Netherlands

Accessories

CLS offers a wide range of accessories for the Jade Expo. Designers can choose the following standard accessories:

- Half cut Snoot Black or white*
- Snoot Black or white*
- Rotatable Barndoor Black or white*
- Honey comb louvre
- Beam shapers for creating 5 different beam angles.

*Black coated on the inside for minimum reflection and glare.



Half cut snoot



Snoot



Rotatable barndoor



Honey comb louvre



Beam shapers

Multiple Dimming and Control Options

The CLS Jade offers unmatched dimming- and control options, you can choose for the following options:

> **Phase Cut**

Another dimming option is 'mains dimmable' phase cut, which means that fixtures can be dimmed simultaneously in a simple & inexpensive manner, by means of a standard available phase cut dimmer.

> **Local Dim Superior**

The so-called Gallery version offers local dimming through a potentiometer on the driver housing. Due to a completely new designed driver board the Gallery dims back to very low levels.

> **DALI**

For applications where an existing DALI control infrastructure is present, CLS offers the option to fit the Jade with a DALI driver.

> **Wireless DMX control**

In many locations standard 3 phase rail systems have been installed in the past. CLS offers the chance to install controllable lights without the need to install new data bus rails. CLS uses components from Wireless Solutions Sweden, that is known as the absolute expert in reliable wireless DMX solutions. Thousands of installations worldwide have been equipped with their systems, so one can be sure that the system will work flawless.

> **DMX 512**

The Jade DMX can be controlled via the DMX 512 protocol. Each fixture can be addressed individually, allowing to program an intensity value for each fixture, that can be adjusted quickly at any time from a remote control system. CLS offers both Global or Eutrac compatible track adapters.

> **Bluetooth Control by CLS and Casambi**

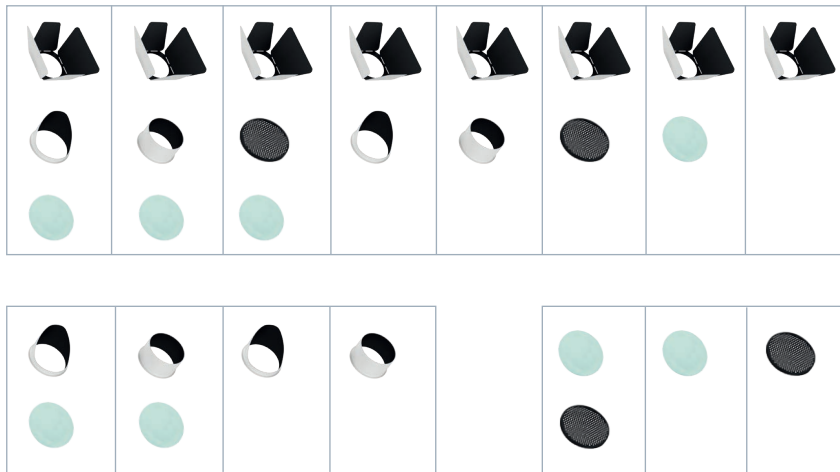
Each individual fixture can be dimmed simply and fast via a free IOS or Android App. The fixture can be mounted on a standard 3-phase rail. NO Data rail needed. Casambi wireless technology in collaboration with CLS digital dimtechnology.

> Jade Expo series Track fixtures

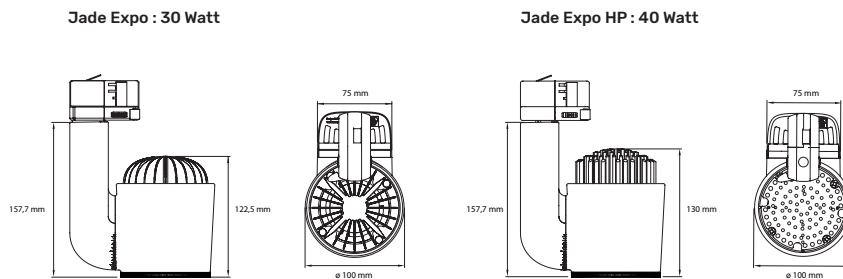
A Sound Investment

Unlike many other suppliers on the market who only claim to do so, **CLS actually designs and produces its fixtures in The Netherlands**. CLS belongs to a group of companies with more than 30 years of expertise in the professional lighting business. This provides additional reassurance for years to come.

Accessory Combinations



Measurements Jade Expo



Technical specifications

LED: High Power LED
 Single colours: CRI≈90: 2700K, 3000K or 4000K
 CRI≈96: 2700K, 3000K or 4000K
 CRI≈98: 2700K, 3000K or 4000K
 Power Supply: 100 - 240 VAC
 Power consumption: Max. 30 Watt (3500 lm module)
 Max. 40 Watt (4500 lm module)
 Housing: Black, grey or white PVC (PC-ABS V0)
 Heatsink black, grey or white coated aluminium
 Swivel: 340° horizontal, 350° vertical
 Beam angle: 19°, 33°, 42°, 70° & 55 x 22°
 IP value: IP20
 Ambient temperature: -10 °C till 40 °C

* Due to continuous improvements and innovations, specifications may change without notice. All specifications are indicative, for actual values download the photometrics on our website.

Icons

Colour & colour temperatures



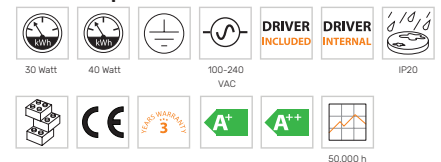
Optics



Housing & finish



General specifications



Mounting options



Control options

