

# CLS

# Jade Expo

Track fixtures

The new benchmark in museum & gallery lighting



# Jade Expo

## 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 series 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 Citizen or Xicato Artist LED modules.

Not less than 3 different CRI values are available;

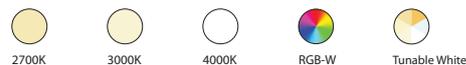
- > CRI>90
- > CRI>96
- > CRI>98

## 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.

## More Choices in Light Than Ever Before

Apart from being able to choose between different LED modules for white light applications, designers have also the option to have the Jade in a RGBW or Tunable White version, available as the Jade Colour Flow & Tunable White series. The CLS engineers have developed a dedicated COB with excellent colour mixing characteristics.



## Lumen Performance

LED light source is available with an effective light output up to 3500 lumen.



## 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° and 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.





Airborne at the Bridge, 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:

### > 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.

### > 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.

### > 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.

### > DALI

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

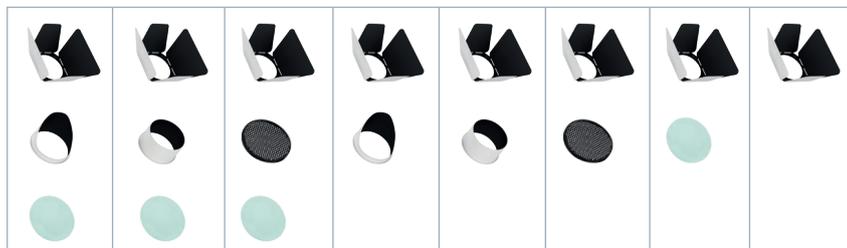
### > Bluetooth Control by CLS and Casambi

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.

## 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



Barndoor  
Y106202-B  
Y106202-W

Honey comb louvre  
Y106215

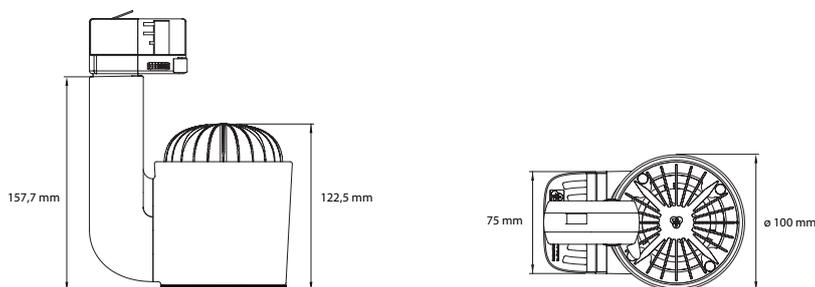
Half cut snoot  
Y106201-B  
Y106201-W

Snoot  
Y106200-B  
Y106200-W

Beam shaper  
Y106211 33°  
Y106212 42°  
Y106213 70°  
Y106214 55x22°



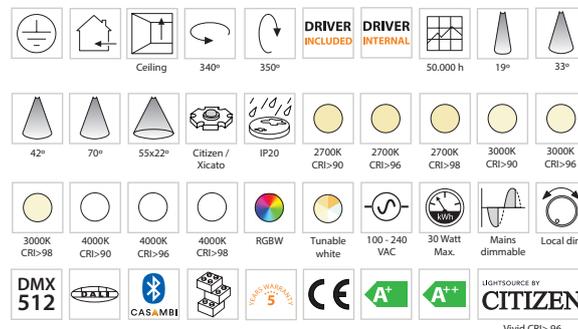
## Measurements Jade Expo



## Technical specifications

LED:	Citizen or Xicato
Single colours:	CRI>90: 2700K, 3000K or 4000K CRI>96: 2700K, 3000K or 4000K CRI>98: 2700K, 3000K or 4000K
Colour changing:	RGBW or Tunable White
Power Supply:	100 - 240 VAC
Power consumption:	Max. 30 Watt (3500 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 x22°
IP value:	IP20
Ambient temperature:	-10 °C till 40 °C

## Icons



LIGHTSOURCE BY  
**XICATO**  
Artist CRI> 98