

Jade HD

Track & Surface Mounted Fixtures



Endless possibilities in an elegant compact housing

> Jade HD Track & Surface Mounted Fixtures

CLS Jade HD series

The Jade HD is the ultimate fixture for illuminating collections in museums, galleries, science centers & art fairs.

Due to its large number of available optics & beam shaping accessories, the Jade HD can be used virtually anywhere, regardless of the dimensions of an object and the distance to the object/painting.

The fixture has been developed in close collaboration with leading lighting designers from several countries, who were asked to state all the product features, that 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 a background in museum lighting.

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

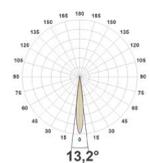
Dozens of beam angles & types available in only a few seconds

The optics are available in 3 different beam angles.

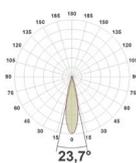
Standard the Jade HD is being equipped with the CLS soft diffusion filter that generates a soft homogeneous light beam with a soft cut on the edges.

- > Should a sharp cut beam be required, than you can remove the soft diffusion filter in a few seconds.
- > Using the oval beam shaper enlarges the beam options further by creating both narrow & wider angle stretched beams.
- > Wall washing effects can be created by using the oval beam shaper in combination with a wide beam optic.

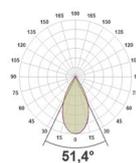
Real Spot Optic (RS-C) & CLS diffusion filter*



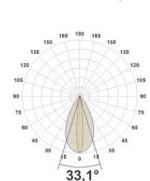
Medium flood Optic (M2-C1) & CLS diffusion filter



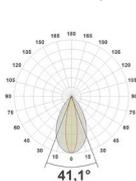
Wide flood Optic (WC-1)



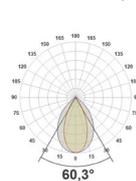
Real Spot Optic (RS-C) & Oval Beam Shaper*



Medium Flood Optic (M2-C1) & Oval Beam Shaper



Wide flood Optic (WC-1) & Oval Beam Shaper



* Measured with shade

Excellent Colour Rendition

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

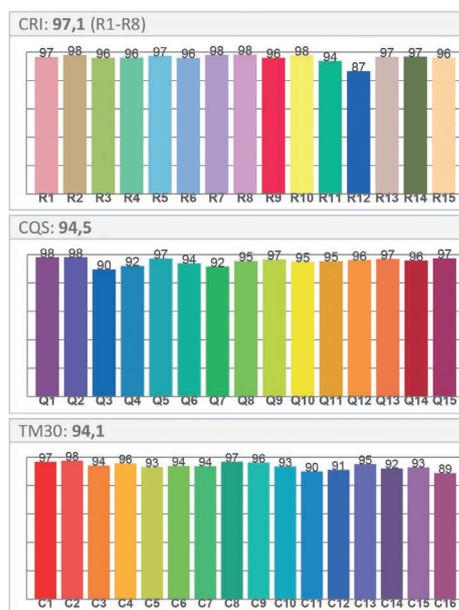
The Jade HD is available with a Citizen CRI=94 or a Citizen Natural Vivid LED lighting source.

The Citizen Natural Vivid series offers an almost identical light quality with a CRI of 97 with a R9 value of 96, a CQS value of 94,5 and a TM30 value of 94,1.

The Citizen Vivid series offer not just a high CRI, but also a much more important feature for accurate color rendition: a high color saturation. This allows for colors of paintings, clothing or any other objects to appear more vividly than ever before.

Please find below the values for the 3000K measurements of the Jade HD in combination with the some of the available light sources. It is obvious that the color rendition is of an exceptionally high quality. This is due to the quality of the LED light source, but also the very high optical quality of the CLS optical system.

Citizen Natural Vivid 3000K



> Jade HD Track & Surface Mounted Fixtures

High Effective Light Output

Due to the unique CLS lens/reflector, the Jade HD offers a higher effective light output than comparable fixtures. The lens reflector is halo free.

LED light sources are available with initial light outputs up to 1500 lumen



Largest choice of control options on the market!

No other manufacturer offers more control options than CLS;

> Local dim

The local dim uses a very sophisticated driver circuit, resulting in the possibility to generate very low output levels.

> DMX 512

The Jade HD 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. In addition, the fixture offers 'memory on board' functionality. This means that a pre-programmed intensity value can be stored in the fixture's internal memory module. It is therefore not required to provide a continuous control signal to the fixtures.

The Jade HD DMX is compatible with both Global or Eutrac data bus rail systems.

> DALI

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

> Casambi Bluetooth Control

CLS offers Casambi Bluetooth control. Casambi is the world's leading company when it comes to wireless Bluetooth control. Through an easy to use app, users can control a large amount of settings. As the functionalities of the Casambi environment are expanded continuously, user get new exciting functionalities on a regular basis free of charge.

Some functionalities that could be interesting in a themed environment are the use of motion sensors, I beacons, calendar schedule functionalities and even control through the Cloud.

> Wireless DMX control

In many locations standard 3 phase rail systems have been installed in the past. Now 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.

> Phase Cut

A simple and inexpensive manner of dimming, by means of a standard available phase cut dimmer. Please keep in mind that minimum dim levels are not so low than with other dim methods.





De Bastei, The Netherlands



MuzeeAquarium, The Netherlands

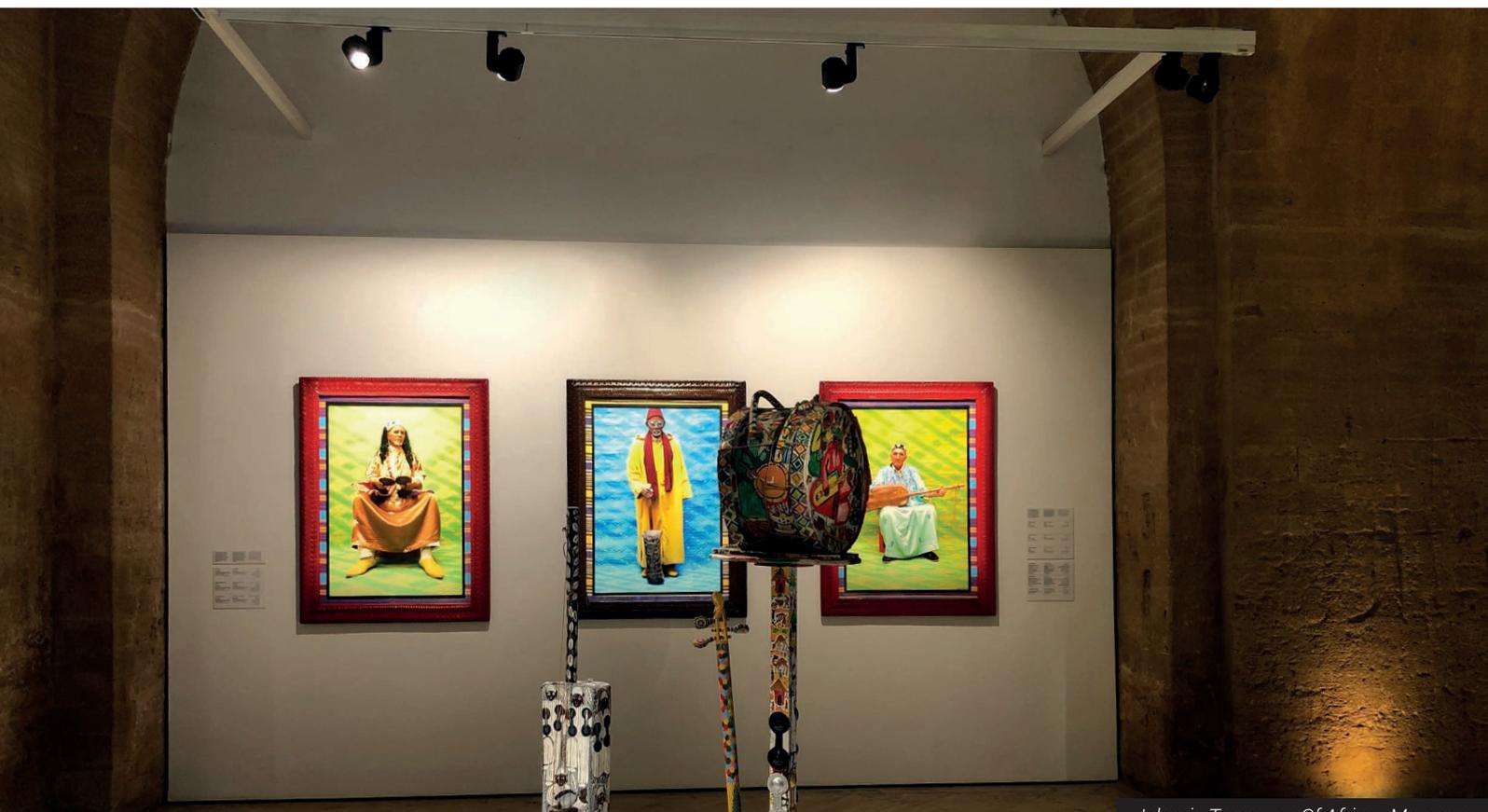
> **Jade HD** Track & Surface Mounted Fixtures



COMM, The Netherlands



Slovak Technical Museum, Slovakia



Islamic Treasures Of Africa, Morocco

Choice Of Mounting Versions

Different mounting versions are available. This means design consistency in nearly every project.

The Jade HD is available with either a Global or a Eutrac rail adapter in a standard or a data bus version.

The Jade C HD is suitable for all applications where it's not possible or desired to use a track system. The Jade C comes with a mounting plate that enables you to build the lamp into suspended-, wooden- and metal ceilings.

The Jade B HD is fitted with a thread stud attachment. It is thus an ideal fixture for use with cable trays, metal ceilings and other similar mounting variants.



In Perfect Harmony with Each Environment

The Jade HD is available in black, white and grey finish.



A Sound Investment

Components of the highest possible quality are used for the production of the Jade, without any compromise. The patented heat sink ensures optimum cooling of the light source, so that the potential 50.000 hour life length can actually be achieved.

Unlike many other suppliers on the market who only claim to do so, **CLS actually 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.

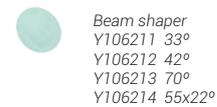
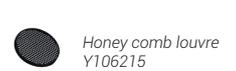
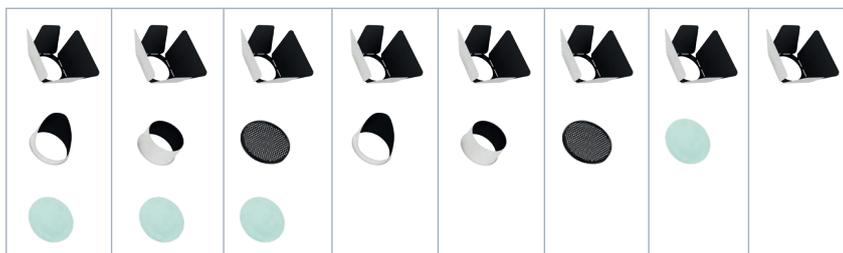
> Jade HD Track & Surface Mounted Fixtures

Accessories

The Jade HD comes supplied with an accessory holder, the CLS soft diffusion filter and the shade.

- > Honey comb louvre.
- > Rotatable 4 way barndoor.
- > Oval beam shaper filter. Which is a replacement for traditional stripe glass filters.
- > Snoot
- > Half cut snoot

Accessory Combinations

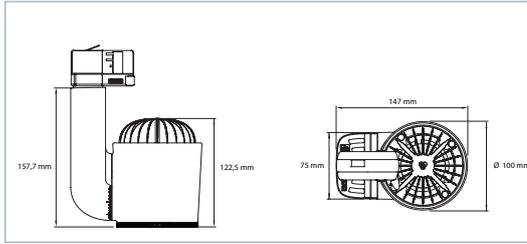


Some examples of the Jade HD accessory combinations

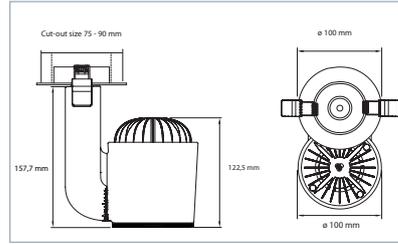


> Jade HD Track & Surface Mounted Fixtures

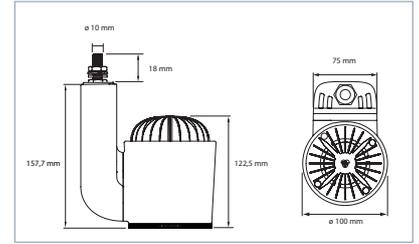
Measurements Jade HD



Measurements Jade C HD



Measurements Jade B HD



Technical specifications

LED: Citizen
 Available colours: 2700K, 3000K, 3500K & 4000K
 CRI: CRI=92 & CRI=97

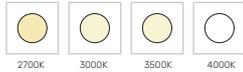
Housing: Black, grey or white plastic (PC-ABS V0)
 Heatsink black, grey or white coated aluminium
 Swivel: 340° horizontal, 350° vertical

Power supply: 100 - 240 VAC
 Power consumption: Max. 25 Watt
 Ambient temperature: -10 °C till 40 °C

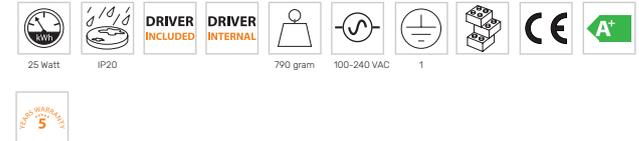
Beam angle: Spot, medium, flood & elliptical
 IP value: IP20
 Warranty: 5 years

Icons

Colour & colour temperatures



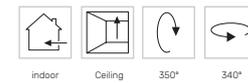
General specifications



Optics



Mounting options



Housing & Finish



Control options

