

Jade Zoom

Track & Surface Mounted Fixtures



Endless possibilities in an elegant compact housing

> Jade Zoom Track & Surface Mounted Fixtures

CLS Jade Zoom series

The Jade Zoom is the ultimate fixture for illuminating collections in museums, galleries, science centres, art fairs and high-end retail applications.

Due to its large zoom range, the Jade Zoom 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 backgrounds in both museum- and retail lighting applications.

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

Large Zoom range

The Jade Zoom offers a remarkably large effective zoom range of no less than 9° - 58° or 11° - 67°!

Up until now, no other manufacturer has been able to offer such a narrow beam angle in this type of fixture. Lighting designers worldwide now see a regularly recurring restriction in their designs finally lifted.



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 most of the museum applications the quality of the colour rendition is of utmost importance.

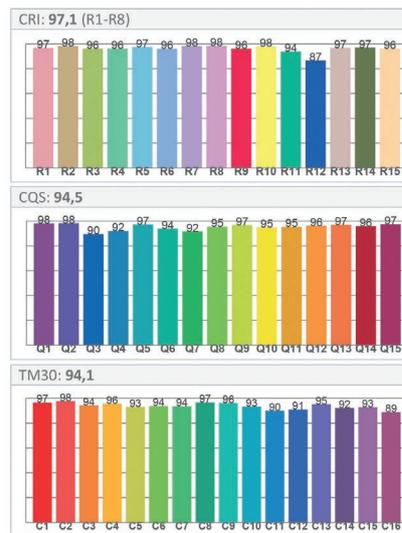
The Jade Zoom is available with a Xicato Artist-, or a Citizen Natural Vivid LED lighting source. The Xicato Artist series is the first choice of many light designers, when it comes to the quality of light.

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 but at substantially lower cost than the Xicato LED engine.

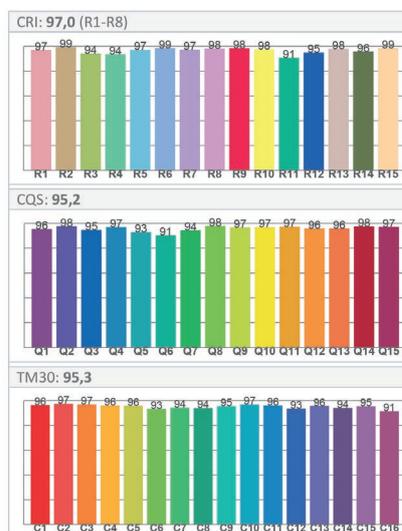
Both the Xicato Artist and Citizen Vivid series offer not just a high CRI, but also a much more important feature for accurate colour rendition: a high colour saturation. This allows for colours of paintings, clothing or any other objects to appear more vividly than ever before.

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

Citizen Natural Vivid 3000K



Xicato Artist 3000K



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High Effective Light Output

Due to the unique CLS DFC lens, the Jade Zoom offers a higher effective light output than other comparable fixtures with zoom capability. The CLS DFC lens is a glass lens with a very high optical purity, combined with some unique features that contribute to a high level of light efficiency.

LED light sources are available with initial light outputs up to 2500 lumen.

High Level of Visual Comfort

The Jade Zoom is equipped with an internal snoot with a structured surface for minimalizing glare effects.



Easy to adjust beam angle

The beam angle of the Jade Zoom can be adjusted extremely easy from the backside of the fixture. So, one never has it hands in front of the light beam, as is the case with most of the available zoom fixtures on the market.



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 Zoom 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 Zoom 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 Zoom 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 exiting 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 Zoom** Track fixtures



COMM, The Netherlands



Slovak Technical Museum, Slovakia



Museum Het Valkhof, The Netherlands

Choice Of Mounting Versions

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

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

The Jade C Zoom 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 Zoom 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 Zoom 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.

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Accessories

The following accessories are available:

- > Zoom Accessory holder for fitting correction-, colour-, and/or oval beam filters as well as the Honey comb louvre or the snoot segments.
- > Honey comb louvre.
- > Filter holder set.
- > Rotatable 4 way barndoor.
- > Oval beam shaper filter with filter holder set. Which is a replacement for traditional stripe glass filters.
- > A customizable snoot. As the snoot can be build up in segments of 2 cm up till a total length of 6 cm, designers can create a profile spot effect at different beam angles.

Accessory Overview

Choose your accessory on the left, you need the items marked with the ✓ *

	 Y106221	 Y106202-X-1	 Y106222	 Y106225	 Y106223	 Y106224
 Barndoor		✓				
 Honeycomb	✓		✓			
 Snoot	✓			✓		
 Filter set	✓				✓	
 Oval Beam set	✓				✓	✓

*All accessories can be combined together

Some examples of the Jade Zoom accessory combinations

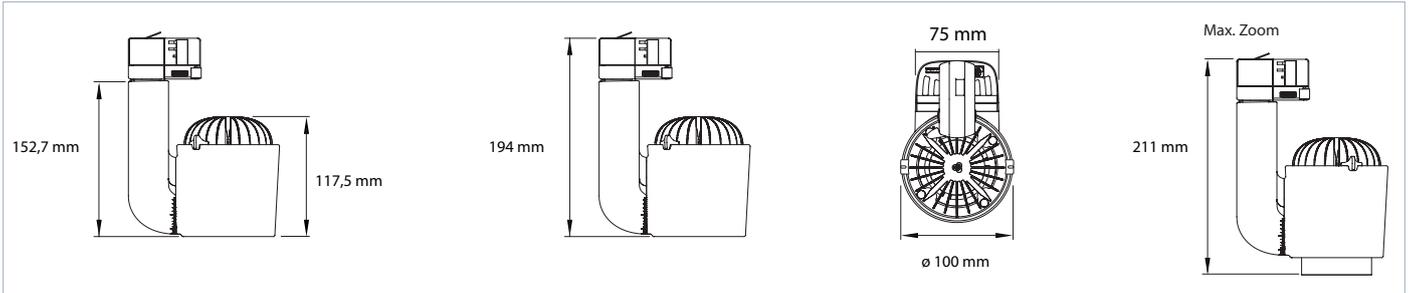


PLEASE NOTE, whenever the honeycomb louvre is being used in combination with a filter (oval beam, colour correction), the filter holder set is NOT needed. The honeycomb louvre is used to keep the filter in place.

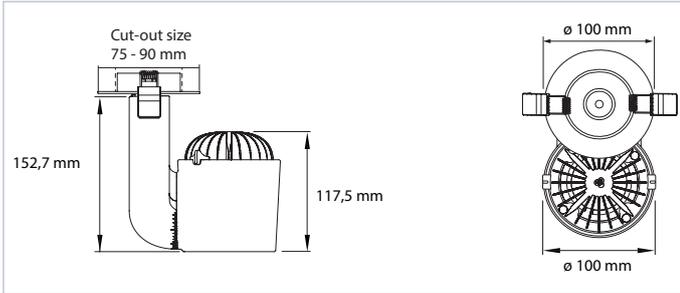
Each snoot section of 2 cm has a slot, where one can use a accessory. Maximum snoot length 6 cm.

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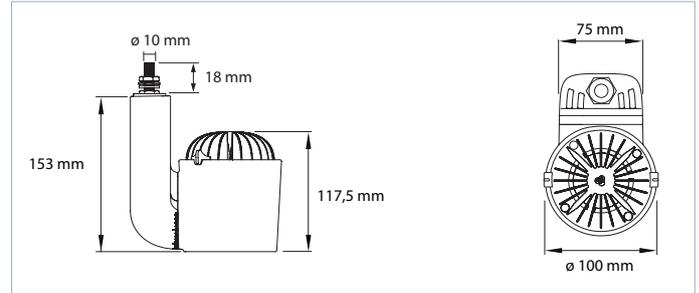
Measurements Jade Track Zoom



Measurements Jade C Zoom



Measurements Jade B Zoom



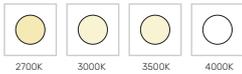
Technical specifications

LED: Citizen or Xicato
 Available colours: Citizen: 2700K, 3000K, 3500K & 4000K
 Xicato: 2700K, 3000K, 3500K & 4000K
 CRI: Citizen: CRI>92 & CRI>97
 Xicato: CRI>97
 Power supply: 100 - 240 VAC
 Power consumption: Max. 25 Watt
 Ambient temperature: -10 °C till 40 °C

Housing: Black, grey or white plastic (PC-ABS V0)
 Heatsink black, grey or white coated aluminium
 Swivel: 340° horizontal, 350° vertical
 Beam angle: Citizen: 9° - 58°
 Xicato: 11° - 67°
 IP value: IP20
 Warranty: 5 years

Icons

Colour & colour temperatures



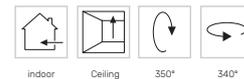
General specifications



Optics



Mounting options



Housing & Finish



Control options

