

Sapphire Zoom

Track fixtures

Unique combination of design & functionality



Sapphire Zoom

CLS Sapphire Zoom

The Sapphire Zoom is the ultimate fixture for lighting collections in museums and galleries, as well as for use in high end retail environments.

Due to the large zoom range, the Sapphire Zoom can be used virtually anywhere, regardless of the height of the room and the distance to the object.

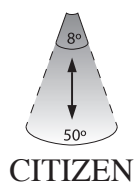
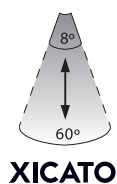
The patented design has been developed in close collaboration with leading lighting designers, who were asked to state all the product features they would like to see in a fixture range. From a series of various designs, the current design was unanimously chosen by designers and architects with backgrounds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

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

Large Zoom Range

The Sapphire Zoom offers a remarkably large effective zoom range of no less than 8° - 50°!

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 other cases the quality of the colour rendition is of utmost importance.

Within the 3000K colour temperature parameter, it is even possible to choose from as much as 3 different LED light sources with a typical CRI of 92 up to 98.

The Sapphire Zoom is available with a Xicato Artist-, Citizen standard-, or Citizen Vivid LED module.

The Xicato Artist series is the first choice of many light designers, when it comes to the quality of light.

The Citizen Vivid series also offers an outstanding light quality, but at substantially lower cost.

The Citizen standard module offers the highest possible light output with a CRI of no less than 92.

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.

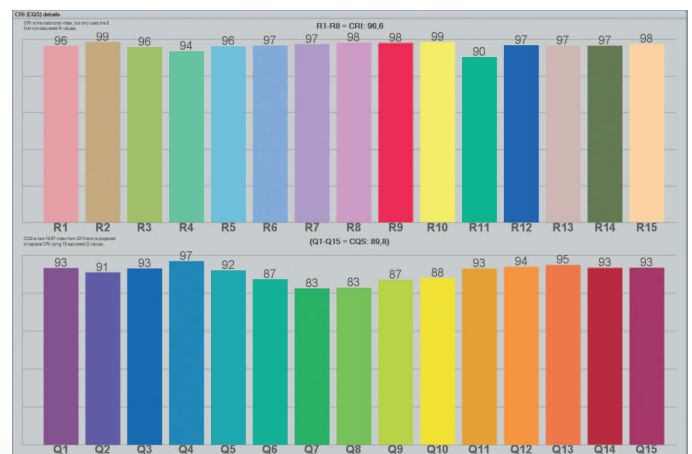
CRI>92

CRI>96

CRI>98

Please find below the light measurements of the Sapphire Zoom in combination with the Xicato Artist LED engine. 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.











High Light Output

Due to the unique CLS DFC lens, the Sapphire 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 numerous unique features that contribute to a high level of light efficiency.

LED light sources are available with initial light outputs up to 3000 lumen.

High Level of Visual Comfort

The CLS DFC lens offers more than just a high light efficiency.

The special surface texture of the lens also allows for a remarkably fine and soft light beam that is fully homogeneous.

Multiple Dimming Possibilities

The Sapphire Zoom offers many dimming- and control options.

The Gallery version can simply be dimmed with a potentiometer on the fixture's housing.

Over the course of 2016, CLS will introduce the **dim plus** system. This system utilizes a specially developed technique that allows for fast and extremely accurate dimming, using only a simple potentiometer. This system combines the ultimate ease of use with advanced electronics for optimum precision.

Phase Cut

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

DMX 512

The Sapphire 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.

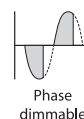
In addition, the fixture offers 'memory on board' functionality. This means that a pre-programmed intensity value can be stored in the fixture's internal memory module. It is therefore not required

to provide a continuous control signal to the fixtures.

The Sapphire DMX is compatible with the Global Pulse range of control tracks. Eutrac compatible versions are available upon request.

DALI

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



DMX
512



Multiple Protection Against Unauthorized Adjustments

The Sapphire Zoom features both horizontally- and vertically adjustable locking mechanisms of the luminaire.

Additionally, the zoom system is operated with a small tool, so that the zoom range cannot be adjusted unintentionally.

Unauthorized and/or unintentional adjustments of the light on objects, for instance during cleaning, or simply light adjustments without permission, are no longer possible with the Sapphire locking systems.

Accessories

A rotatable barndoor is available as an optional accessory.



In Perfect Harmony with Each Environment

The Sapphire is available in black, white and grey finish. In addition, it is possible to order the fixture in specific RAL colours on a project basis (MOQ applies). This grants architects and designers the ultimate creative freedom and - for instance - allows for harmonization with corporate identity colours of retail chains.



Fully Prepared for the Future

All individual components are easily interchangeable, which means that the Sapphire is fully prepared for any future developments.

Should you decide, for whatever reason, to change the light source for a source with a different colour temperature, CRI value or even a version with a higher light output, this can be done in no more than a few minutes.

The Sapphire Zoom is compatible with the Zhaga industry standard, allowing for the light source to be easily replaced.



A Sound Investment

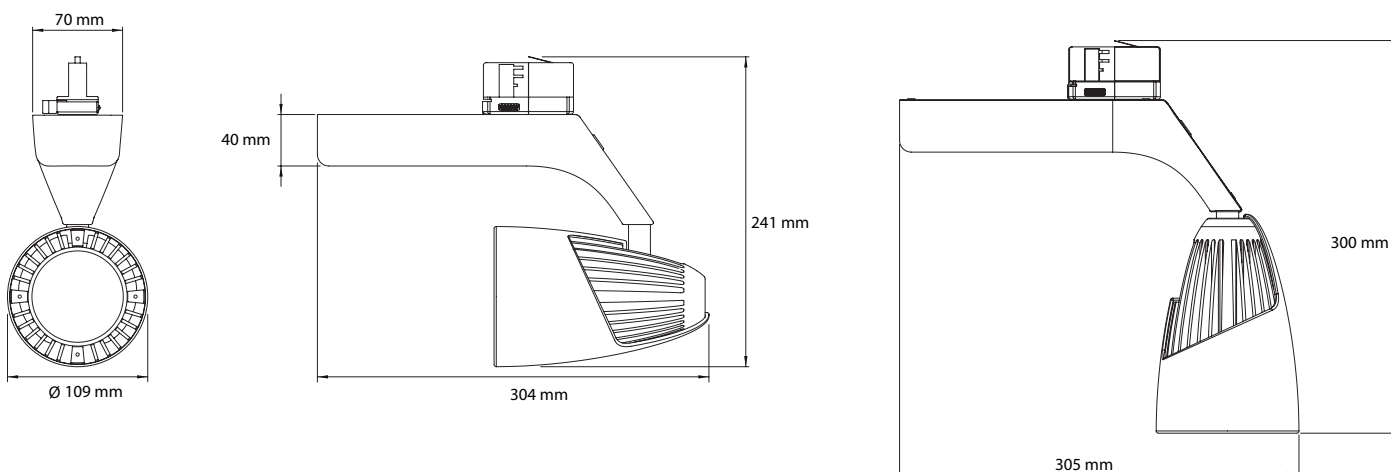
Components of the highest possible quality are used for the production of the Sapphire, without compromise.

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 25 years of expertise in the professional lighting business.

This provides additional reassurance for years to come.

Measurements



Technical specifications

LED:	Citizen or Xicato
Available colours:	Citizen standard: CRI 92: 2700K, 3000K & 4000K Citizen Vivid: CRI 96: 2700K, 3000K & 4000K Xicato: CRI 98: 2700K, 3000K & 4000K
Beam angle:	Citizen Vivid: 8° - 50° Xicato: 8° - 60°
Power:	180 ~ 264 VAC
Power factor:	> 0.91
Power consumption:	Max. 30 Watt
Housing:	Anodised aluminium & PC
Weight:	1,6 Kg
IP value:	IP20
Measurements:	300 x 305 x Ø 109 mm (h x w x d)
Ambient temperature:	-10° till 40°

Icons

