

Sapphire

Track Fixtures

Unique combination of design & functionality



Sapphire

CLS Sapphire GEN II

The CLS Sapphire GEN II series sets the new standard in track mount fixtures when it comes to the ultimate combination of design, visual comfort and light efficiency.

Due to thousands of different configuration options, the Sapphire is the logical choice for applications in museums, galleries, retail spaces and other areas where a high-quality track fixture is required.

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?

High Light Efficiency

Sapphire luminaries are available with either a Citizen- or a Xicato Artist LED module. Both manufacturers belong to the absolute top in terms of quality of LED modules.

The Xicato Artist modules are preferred by many museum lighting designers because of the exceptionally good colour rendition, while the Citizen modules ensure the highest possible light efficiency combined with an outstanding light quality.

The Sapphire luminaries are characterized by a high light output. Depending on the selected LED module, outputs of up to 4500 lumen are available. All versions of the Sapphire have an energy label of A or higher.



LIGHTSOURCE BY
XICATO & CITIZEN

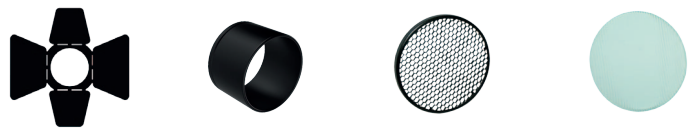
High Level of Visual Comfort

In order to avoid glare, which is often characteristic for high output fixtures, the Sapphire is equipped with an internal snoot, reducing glare to an absolute minimum. The visual comfort is enhanced even further by the standard fitted diffusion filter with a light transmission value of as much as 94%. Due to this unique filter, the light beam is incredibly soft and homogeneous.

Depending on the demands of a lighting design, various accessories are available, enhancing the visual comfort even further.

Various Light Correction Possibilities

The Sapphire offers the option to apply all possible correction filter- or beam shaping materials, in a very simple manner. The internal slot is literally accessible in a snap. Standard available accessories are, among others, rotatable barndoors, an additional spill ring, a honeycomb Louvre, and a linear spread filter.



Excellent Colour Rendition & Large Choice of Light Colours

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.

With a wide variety of LED colours and CRI values to choose from, it is possible to create lighting that is exactly suitable for each and every application. New to the range are also the LED modules for specific applications.

We offer state of the art LED modules for:

- Museum & Galleries with very high CRI and CQS values.
- Retail with specific modules for clothing, jewellery & furniture.
- Food with specific modules for bread, meat & fish.



CRI>85
CRI>95
CRI>98





Football Temple, The Netherlands



Elisabeth Weeshuis museum, The Netherlands



Porsche Centrum Gelderland, The Netherlands



Zin in Breien, The Netherlands



Morgana, The Netherlands



Tourist Office, The Netherlands



Hof van Nederland, The Netherlands



Slingeland Ziekenhuis, The Netherlands

Protection of the LED Light Source and Reflector

Unlike with many other fixtures, both the LED light source and the reflector are protected against dust and dirt, due to the pre-fitted diffusion filter.

Dirt and dust can reduce the effective light output of a fixture with as much as 40%. The Sapphire is optimally protected against this unwanted effect of daily use and will therefore ensure a stable light image with optimum light output for years after installation.



Easily Interchangeable Optics

Adjusting the beam angle of the Sapphire is done in only a few simple steps. Available optics are 18°, 30°, 54° and 72°.



For optimum beam control, CLS offers the Sapphire Zoom. With a variably adjustable beam angle from 8° to 50°, this is an ideal fixture for use in museums and galleries. More information about this fixture can be found in a dedicated brochure.

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.



Dimming

Unlike traditional CDMT-, PL- and HQI light sources, the Sapphire offers excellent dimming possibilities. The Gallery version for instance, can simply be dimmed with a potentiometer on the fixture's housing.

In addition, there is the option to dim via phase cut (mains dimming).



Digitally Controlled Versions

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.

Please inquire for DALI control options.

DMX
512



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.

A Sound Investment

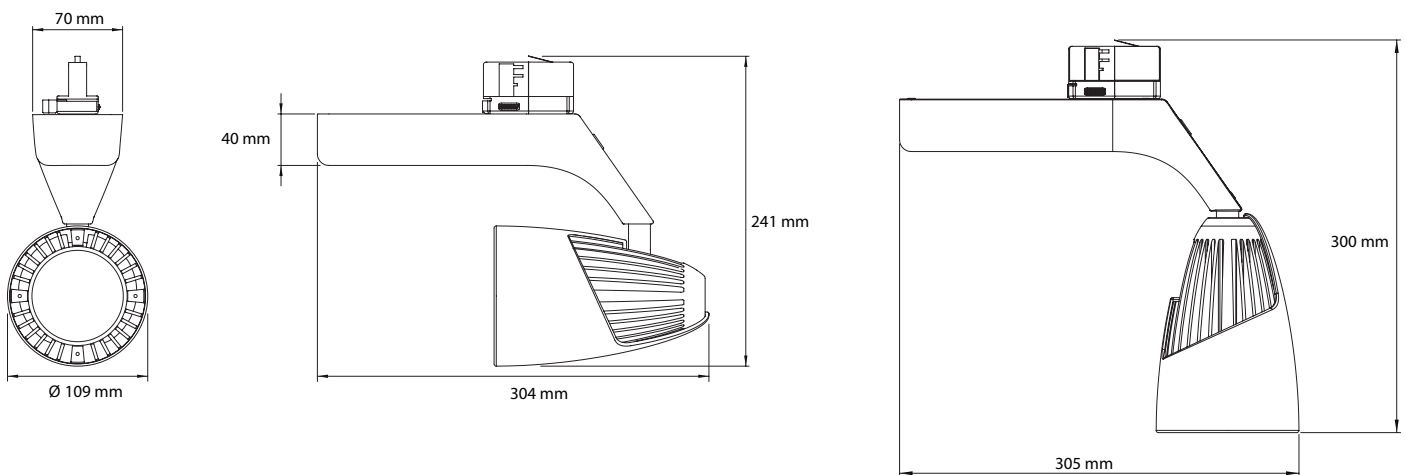
Components of the highest possible quality are used for the production of the Sapphire, without compromise.

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:	CRI 85: 2700K, 3000K & 4000K CRI 95: 2700K & 3000K CRI 97: 2700K & 3000K CRI 98: 2700K, 3000K & 4000K
Beam angles:	18°, 30° & 54°
Power:	180 ~ 264 VAC
Power factor:	> 0.91
Power consumption:	Max. 30 Watt
Housing:	Anodised aluminium & PC
Weight:	1,5 Kg
IP value:	IP20
Measurements:	300 x 305 x Ø 109 mm (h x w x d)
Ambient temperature:	-10° till 40°

Icons

