



# Ruby series

Pendant - Track - Surface Mounted

Unique in functionality



# Ruby series

## CLS Ruby Series

The Ruby series of CLS are developed for all possible lighting applications where it is not possible or desirable to apply a built-in fixture. The series is characterized by a large variety in luminosity, dimming methods, light colours and mounting methods. There are pendant versions and spot versions. Beside this, you also have the choice between different models in terms of dimensions and housing colours.

Therefore, a lot of configurations are possible, with which CLS architects and lighting designers offer unprecedented opportunities. Through the pictures, we hope to give you a small impression of the numerous configurations.

## Ruby

Surface

Bracket

Pendant

Pendant Track



The next applications are just a few of numerous applications.

- > Churches
- > Theatres & Playhouses
- > Working places & hangars
- > Conference centers
- > Events location
- > Atriums of office buildings/hospitals
- > Showrooms
- > Concert halls
- > Warehouses
- > Airports
- > Shopping centers

We are sure that you can come up with several new applications yourself.

**What makes the CLS Ruby so unique in terms of specifications & lighting experience?**

## High Light Efficiency

CLS uses high quality LED CoB modules from among others Citizen and Lumileds. In combination with excellent optical systems, it is possible to create a high light efficiency.

You can choose from a variety of light output, measured with an effective light output of up to 6000 lumens for the Ruby.

All models have an energy label of A++ or higher.



## Excellent Dimming

The CLS Ruby series offers a wide choice of dim methods. Even more important is the fact that the quality of the dimming is unprecedentedly high. It has its reasons why users choose the LED solutions from CLS in applications where the quality of the dimming is of the utmost importance. In this way, besides museums & galleries, also theaters & concert halls and many hotels around the world are equipped with CLS fixtures.

CLS offers a choice between the following dimming methods:

- > 1-10V.
- > DALI.
- > Mains (Phase-cut).
- > Digital by means of the DMX 512 protocol.
- > Bluetooth control by Casambi



**DMX  
512**





Sint Urbanus church, The Netherlands

## Large Choice of Light Colours

You can choose from a wide range of light colours.

The Ruby series offers a choice of no less than 3 different white light colours: extra warm white (2700K), warm white (3000K) and neutral white (4000K).

There is also a version with RGBW or Tunable White as light source, allowing you to create not only high quality white light but also many colour shades.

The Ruby offers the unique opportunity to equip a number of models with a colour rendering up to **92 CRI**. This means an extremely good colour rendering, so that all colours in the space fully appear in a natural way, which results in a much more enjoyable perception of a work and/or living environment.

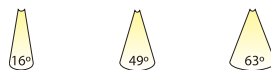
It should be clear that this may again lead to a higher production in working environments on the one hand, and on the other hand to a considerably more pleasant living climate in living environments.



CRI>80  
or  
CRI>92

## Wide Choice of Beam Angles

For an optimal combination of light output and desired light dispersion, CLS offers a wide choice of light opening angles for the Ruby. The Ruby offers opening angles of 16°, 49° and 63°.



## Accessories

For lighting designers or architects who want to obtain specific accents and/or light colour schemes, the reflectors of the Ruby can be provided with correction or beam shaping filters, and this in order to create the right effect in certain spatial situations.

In this way, exceptional colours or oval beams can easily be created.



## In Perfect Harmony with Each Environment

For the perfect integration of the lighting in the interior design of a space, the Ruby standard is available in white and black. In addition, CLS offers the possibility to deliver the fixture in almost any RAL colour.

This offers the ultimate freedom to architects and designers, and fixtures can be delivered in 'corporate identity' colours of companies.

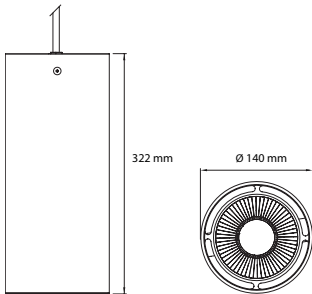
## A Sound Investment

Components of the highest possible quality are used for the production of the Ruby without compromise. Next to the high quality Japanese LED module, the power supplies are from European origin.

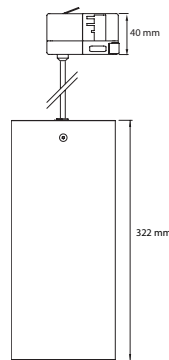
Unlike many other suppliers on the market who only claim to do so, CLS actually **designs and produces its fixtures in The Netherlands**. CLS belongs to a group of companies with more than 25 years of expertise in the professional lighting business.

## Measurements Ruby

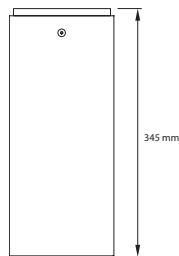
Ruby Pendant



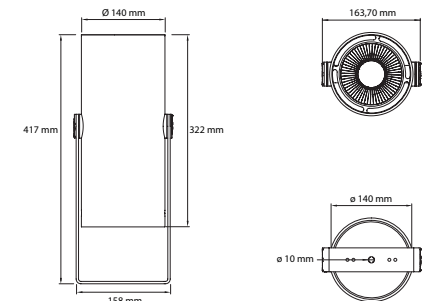
Ruby Pendant Track



Ruby Surface



Ruby Bracket



## Technical specifications

LED:	Citizen
Available colours:	CRI 80: 2700K, 3000K & 4000K CRI 92: 2700K, 3000K & 4000K (7-8 serie)
Beam angles:	16°, 49°, 63°
Power supply:	200 ~ 240 VAC
Power factor:	> 0.91
Power consumption:	5 serie: Max. 22 Watt 6 serie: Max. 30 Watt 7 serie: Max. 45 Watt 8 serie: Max. 60 Watt
Housing:	Black or white coated anodised aluminium
IP value:	IP20
Cable length:	Pendant: 200, 400, 600 or 800 cm Track: 200, 400, 600 or 800 cm Bracket: 200 cm
Ambient temperature:	-10 °C till 40 °C

## Icons

