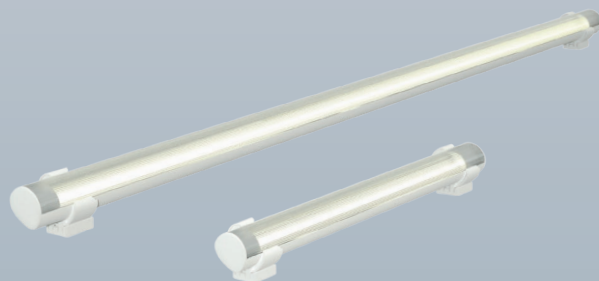
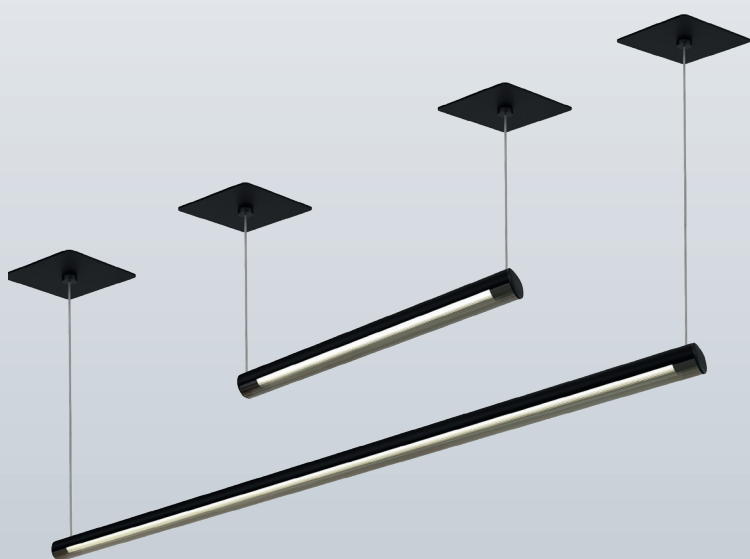




Lina RP series

Linear Lighting fixtures

A Unique Combination of Design & Visual Comfort



Lina Remote Phosphor series

CLS Lina Remote Phosphor series

The Remote Phosphor LED technology offers several major advantages over normal LED technology:

- 120° Homogeneous light distribution, without any shadows cast on the illuminated surfaces/objects
- Effective light output of up to 3000 lumen per meter
- No visible LED light sources
- The colour temperature of the light can be quickly and easily adjusted

Combine this with the many dimming options, the wide choice of mounting- and adjustment possibilities and it becomes clear that the Lina RP series is a revolution in many application categories.

This brochure will explain the most important product features, in order to inspire you to combine them into unique fixtures by means of our interactive online Fixture Configurator. Over 800 different configurations ensure that you will never need to compromise when it comes to creating the optimum lighting scheme.

What Makes the Lina RP Such a Unique Fixture Series?

Exceptionally Elegant and Compact Housing

Architects and designers worldwide have expressed their enthusiasm about the Lina's form factor. Slim, with elegantly shaped curves and a diameter of only 28 mm, the fixture is suitable for each interior. The extremely compact dimensions also allows for the Lina to be installed in confined spaces.



High Light Efficiency

Each white LED is in fact a blue LED to which a layer of Phosphor is applied. The thickness of this layer determines the colour of the light. The thicker the layer, the warmer the colour temperature, from extra warm white (2700K) up to a colder, crispy light (5000K).

Because Phosphor is usually applied directly onto the LED chip, it will get hot when the fixture is switched on, thereby reducing the effective light output with 30% - 40%.

In case of the Lina RP, the Phosphor is applied as a semi-circular tube positioned more than 2 cm away from the LED light source. The Phosphor does not get hot and therefore does not limit the effective light output.

A High Level of Visual Comfort

In addition to the amount of light that is effectively needed for an application, in most cases the level of visual comfort is of equal importance. The Lina is fitted with a specially developed optical front cover, which reduces glare to a minimum. The Lina RP offers a totally homogeneous light distribution of up to 120°.

The Remote Phosphor technology also guarantees no shadows to be cast onto the illuminated surfaces/objects, allowing for a more comfortable working environment.

Choice of Different White Light Colours

The Lina RP is available in the following colour temperatures: Extra Warm White (2700K), Warm White (3000K), Neutral White (4000K) and Cool White (5000K).

The Extra Warm White and Warm White versions offer a CRI value of 92+. The colour rendition is therefore much better than fluorescent light sources. A high CRI value also contributes to a higher level of visual comfort, because all colours, of people as well as objects, appear much more natural.



Dimming Options

For optimum ease of use, a wide variety of dimming options is available:

- > 1-10V
- > Mains Dimming (Phase Cut)
- > DMX 512
- > DALI



DMX
dimming



This allows for the Lina fixtures to be perfectly integrated in each existing infrastructure.



RAF Barbershop, The Netherlands

Sizes and Colours

The Lina RP fixtures come in many standard lengths: 30, 55, 80 & 105 cm.

For perfect integration in each interior, the fixtures are available in white or black finish.

applications where a high level of visual comfort combined with a high light output is required. Due to an extremely thin hybrid cable, the suspension is of an unprecedented level of elegance.



Product Variations & Mounting Options

The Lina series is available in a surface mounted- or suspended version. The surface mounted version offers unique installation possibilities. The provided clip system offers a stepless adjustment range of up to 180° for the beam direction.

In addition, the Lina Clip version offers the possibility to mount the clips at each random position on the fixture, so that it can always be installed in the most ideal manner.

The Lina Suspended with its pendulum mounting possibilities offers the ultimate linear lighting solution for numerous

Custom Project Solutions

As a medium sized manufacturer, CLS-LED is able to quickly create customized solutions on a project basis.

Our R&D engineers take pride in a very pragmatic approach and will therefore always come to a solution that is perfectly suitable, yet cost effective.

Some examples of special, customized solutions:

- > Customized mechanical attachment of the Lina Suspended, allowing for it to be used as uplighter
- > Custom lengths for perfect integration in e.g. display cases in museums and shops.

Application Possibilities

As it is impossible to list all applications for which the Lina RP can be used, we will state just a few:

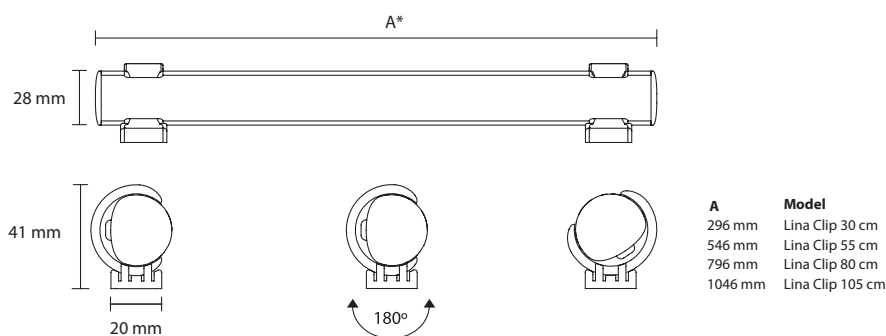
- > General lighting in all possible rooms, ranging in heights of 2.5 meters up to 14 meters
- > Illuminating objects/products in display cases
- > Desktop lighting in offices
- > Worktop lighting in production environments
- > Linear lighting in supermarkets, shops, data centres, airports and all other possible environments

Worldwide, architects and designers are constantly finding new innovative applications for the Lina series. We challenge you to find even more!

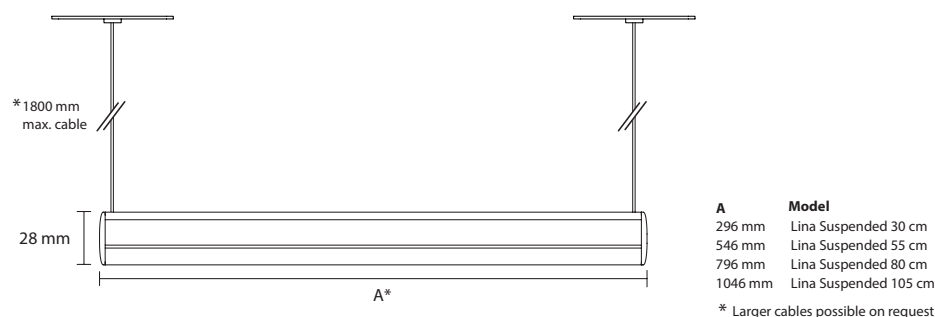
A Sound Investment

Components of the highest possible quality are used for the production of the Lina Remote Phosphor, without any compromise. 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.

Measurements Lina Clip series



Measurements Lina Suspended series



Technical specifications

LED:	Luxeon / Cree
Available colours:	CRI>92: 2700K & 3000K CRI>80: 4000K & 5000K
Power:	500mA
Power consumption:	6W / 25 cm
Housing:	Black anodised aluminium or white coated
Swivel:	Clip : 180° vertical
Beam angle:	120°
IP value:	IP40
Cable length:	Clip : 150 cm
Ambient temperature:	10 °C till 40 °C

Icons

