



CLS Magazine

> Dutch design and manufacturing

Since its founding in 2002, CLS LED has grown into a reliable partner in the world of professional LED lighting. With our expertise in sectors such as Architecture, Museums, Entertainment, and Retail, we continuously develop new lighting solutions at our modern headquarters in collaboration with leading lighting designers and architects.

A brief overview of the activities we carry out in-house:

- > Designing housings and electronics, as well as developing software.
- > Testing in climate chambers, pressure tests for IP67 fixtures & load testing.
- > Producing LM79 reports in our own modern lighting laboratory. In Wijchen, each fixture undergoes every stage, from development to production, followed by extensive testing. This allows us to guarantee the quality of our fixtures and minimize lead times. We strive to process and ship your order within a timeframe of three weeks.
- > Shipping fixtures worldwide. CLS has a network of distributors in more than 50 countries.



> Sustainability and circularity

The sustainability and circularity of our fixtures are reflected in their fully modular design. This allows each individual component to be easily replaced, ensuring a long lifespan for our high-quality fixtures.

We offer a remarkable 10-year after-sales parts guarantee.

Fixture series typically remain in production for 10 years, with the oldest developed fixture having been in production for an impressive 15 years.

Our packaging is made exclusively from recycled cardboard. Thanks to specially designed inlays, multiple fixtures can be packed per box. Customers can also return packaging to us for reuse if desired. CLS is a member of WeCycle Netherlands, ensuring that materials are recycled and given a second life.

Furthermore, CLS only stocks components—every product is Made To Order. This prevents excess stock and obsolete products from becoming waste.

By nature, our company contributes to sustainability through our lighting solutions:

- > Energy consumption that is on average 70-80% lower than traditional light sources.
- > A lifespan of approximately 50,000 hours, resulting in fewer replacements, fewer repairs, and reduced use of natural resources, materials, and energy.

Peter van Workum

Owner and Inspirator CLS LED

“For us, sustainability and innovation go hand in hand. Taking a step forward also means becoming more sustainable. It’s inspiring to see.”



> **Create** your own perfect lighting solution

There is no such thing as the perfect fixture for every specific situation, which is why CLS offers more than 1 million variants.

Using our unique online fixture configurator, in just a few steps you can create the perfect fixture in terms of LED colour, control option, beam angle, housing colour of the fixture and, of course, power.



Jade Zoom



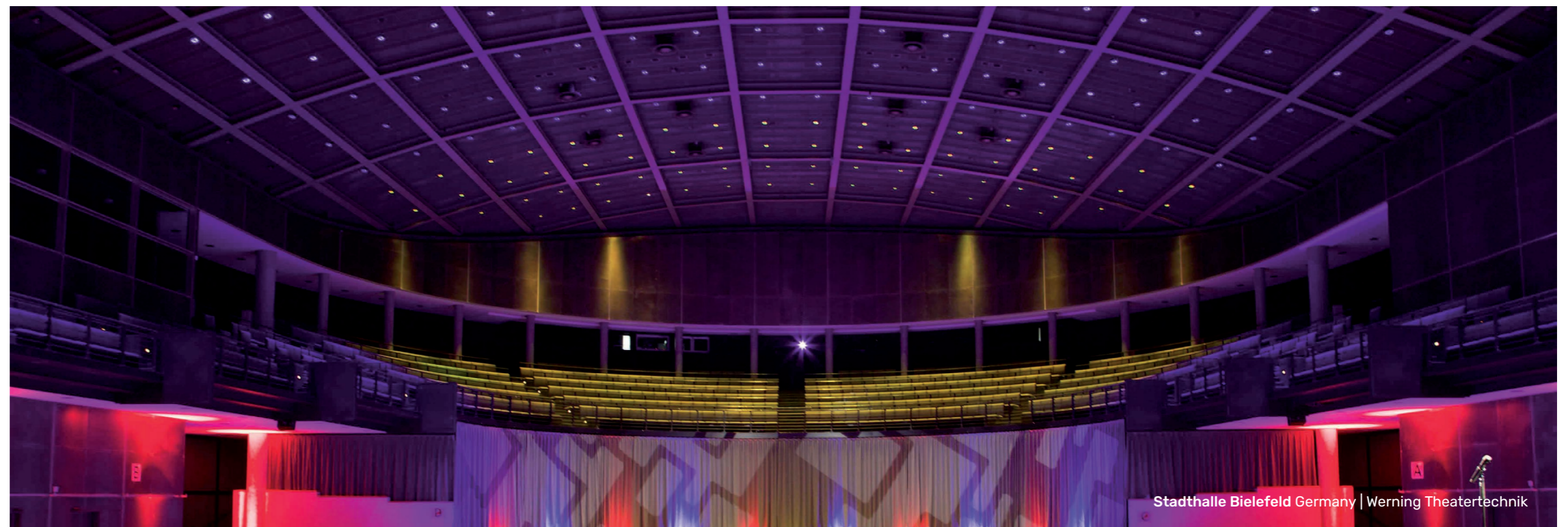
Krypton

> **Innovation** and customised solutions

Innovation is what sets us apart from other manufacturers. We are the only Dutch lighting manufacturer that develops all hardware and software ourselves for customer-specific projects.

For example, customized solutions have been realised for Het Nederlands Concertgebouw, Het Nationaal Militair Museum, The Louvre Paris, Mosques in the the Middle East, Concert Hall Stadthalle Bielefeld Germany, Phive in Sydney Australia, Wereldmuseum Leiden, furniture showrooms throughout Europe, simulation exercises for fire brigades and display case lighting systems.

If you have a specific lighting problem or requirement, feel free to contact us to see if we can fulfil your wishes.



Stadthalle Bielefeld Germany | Werning Theatertechnik

> What are **typical CLS projects** and what are **our areas of expertise?**



Wereldmuseum Leiden The Netherlands

We have deliberately focused on a small number of submarkets, with the aim of being able to offer the best possible lighting solutions at an attractive price.

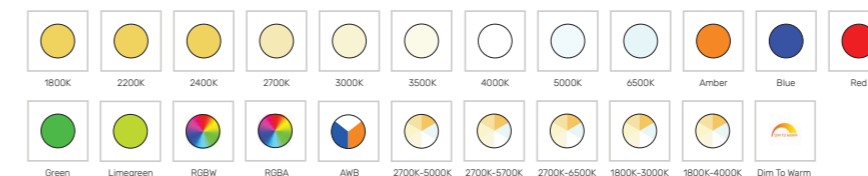
You can think of CLS in particular when it comes to the following applications:

- > Projects for museums, experience centres, information centres.
- > Cultural buildings, such as churches, theatres, and concert halls.
- > For illuminating all different kinds of buildings, parks, gardens, bridges, and other objects.
- > Thematic environments, such as all elements in theme parks, and event venues.
- > Leisure environments, such as hotels, restaurants, and lounges.
- > The higher segment of retail stores, where excellent colour reproduction is paramount.

The projects have a number of features in common, which CLS focuses on with its product development:

- > The ability to control/dim light via a wide variety of control protocols.
- > The ability to create atmosphere by programming a colour or adjusting the light according to the environment, seasons or events.
- > The ability to variably adjust beam angles (zoom optics) to achieve perfect illumination of objects.
- > The best possible colour rendering so that, art, clothing, furniture, jewellery and all other objects and objects are displayed as faithfully as possible.

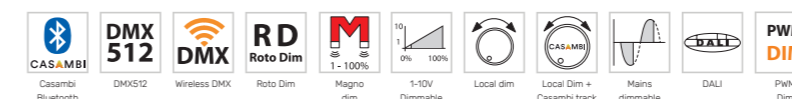
Wide selection of LED light sources:



The right light beam for every application*:



Ultimate choice of control and dimming methods:



*Depending on the type of fixture, different beam angles are available. For the exact beam angles of each fixture, please visit our website.

> Lighting designers and architects

On the following pages, you will find a small selection of fixtures that are especially popular with lighting designers and architects.

There are several reasons for this popularity. For instance, our **outdoor fixtures** can withstand the most extreme climate conditions, thanks to their solid aluminium housing and special anodised coating, which prevents corrosion.

The extensive collection of **Zoom fixtures** has led us to become the market leader in museum lighting in the Netherlands and to increasingly realise projects with our local partners worldwide.

Our **ColourFlow** fixtures enable designers to create any desired atmosphere in an environment, choosing from the widest possible range of control systems.



PHIVE Sydney Australia | Architects: Gaufrand Architecture | DesignInc | Lascoste + Stevenson
Photography: Brett Boardman Photography

> CLS IP67 Outdoor Fixtures

Technical characteristics of our Revo & Quartz fixture series:

- > Outputs from 5 Watt to 160 Watt.
- > ColourFlow in RGBA and RGBW.
- > White light in 1800K, 2200K, 2400K, 2700K, 3000K & 4000K. (other colour temperatures on request)
- > Non Dim, Mains Dim, Magno Dim, DMX512, Wireless DMX, Casambi Bluetooth & DALI control.
- > Basic colours in red, green, limegreen, blue & amber.
- > Anti condensation protection.
- > Tunable white in 1800-3000K, 1800-4000K, 2700K-5000K & 2700K-6500K.



> Zoom fixtures

To create the perfect light beam, we have a wide range of fixtures that allows you to illuminate a subject in a beautiful way.

With all zoom fixtures, the beam angle of the light can be quickly and easily adjusted to the desired setting.

As a lighting designer, you no longer have to compromise when creating the ideal light display for an object of any size.

Museum Huis van het Boek The Netherlands | 50LUX NL Lighting Design and Advice | Lichtpunt Photography: 50LUX NL - Jeffrey Steenberg

Some technical features of our zoom fixture series:

- > Outputs from 1-35 Watt.
- > CRI up to ~98 & R9 up to 98.
- > Zoom range from 6° tot 90° (depending on model).
- > Control via DMX512, Wireless DMX, Casambi Bluetooth, Magno Dim, DALI, Local Dim + Casambi Bluetooth or Roto Dim.
- > 5 year warranty.



Focus Micro^{G2} Series



Focus^{G4} Series



Topaz Zoom



Jade Zoom



InnStyle The Netherlands | Spot & Speaker

> CLS ColourFlow Series

We offer a particularly extensive collection of fixtures for creating ambience, experience and emotion. No other manufacturer in Europe has such an extensive collection in its product range as CLS.

Under the term ColourFlow, we do not only mean fixtures with which all possible colour shades can be programmed, but also fixtures with programmable white lights and so-called Dim To Warm fixtures.

The collection includes track fixtures, surface-mounted fixtures, recessed fixtures and both indoor and outdoor fixtures.

With outputs from 10 - 160 Watt, the correct light output is available for nearly any application.

You can choose from DMX512, Wireless DMX, Casambi and DALI control options.

Clearly, CLS is by definition your partner when it comes to projects where white light needs to be supplemented with colour changing light for ambience and experience.



Because lighting is an art

ColourFlow®



Verzetsmuseum The Netherlands | Heinz Loopstra | Photography: Mike Bink Fotografie



Stadhuis Middelburg The Netherlands | Gemeente Middelburg | JANS Lighting Design



PHIVE Sydney Australia | Architects: Gautrand Architecture | DesignInc | Lascoste + Stevenson | Photography: Brett Boardman Photography



Pizza Pasta The Netherlands | LightTwist Projectverlichting



Brugkerk The Netherlands | Schaapsound | Photography: Jaco Hoeve Fotografie



Catharijneconvent The Netherlands | 50LUX NL | Van Lotemagen Lighting | Lichtpunt | Photography: Femke Lockeffer



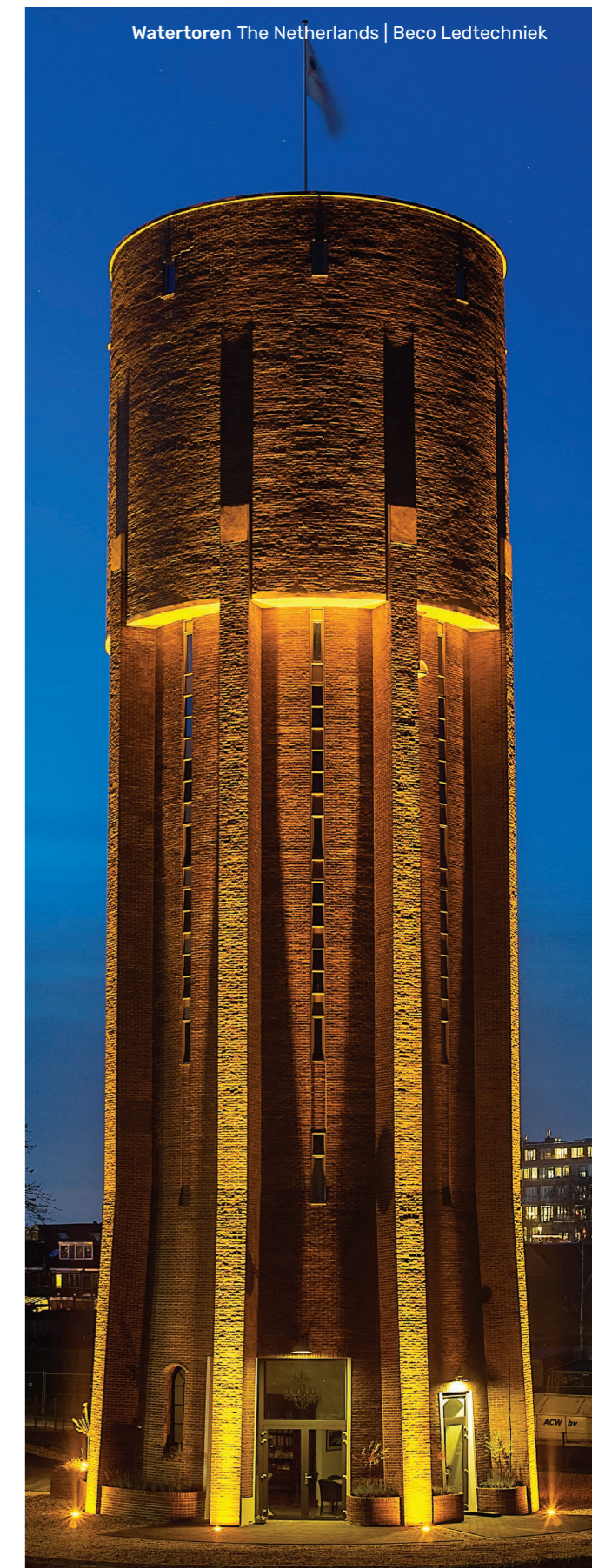
Academiehuis Grote Kerk The Netherlands | Schaapsound | Buro Stiel B.V. | Photography: Jaco Hoeve Fotografie



Technisches Museum Wien Austria | Preworks | Dorian Sahin



Laurentiuskerk The Netherlands



Watertoren The Netherlands | Beco Ledtechniek



Onze Lieve Vrouwetoren The Netherlands | JANS Lighting Design | Lomans



Private Garden | Rainforest



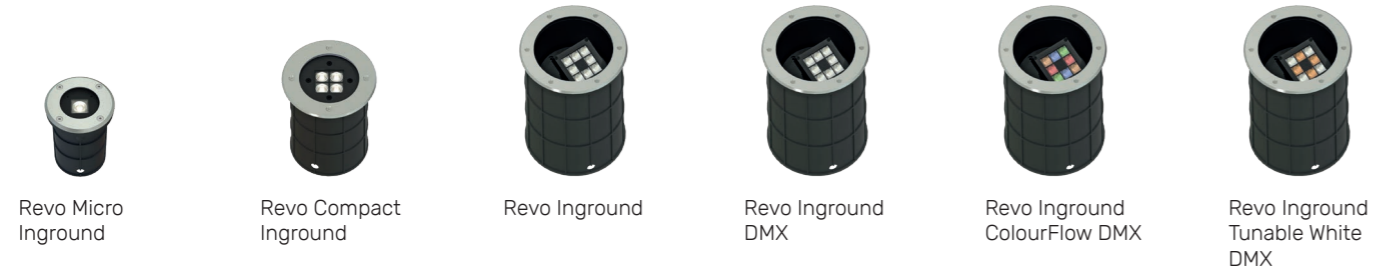
Rulantica, Europa-Park Germany | Becker Lichttechnik



Wereldmuseum The Netherlands | HeinzLoopstra Lightdesign | Photography: Mike Bink Fotografie

> Product Series

Revo Inground IP67 Series



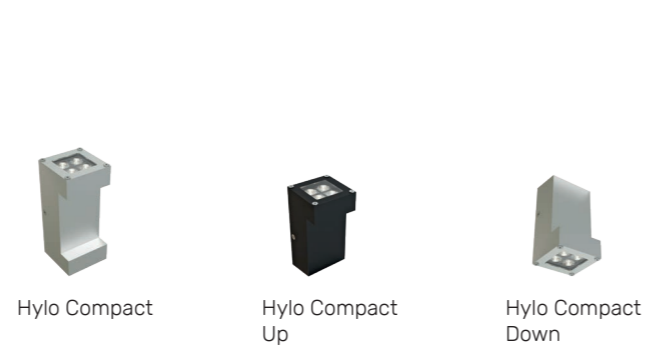
Revo IP67 Series



Quartz IP67 Series

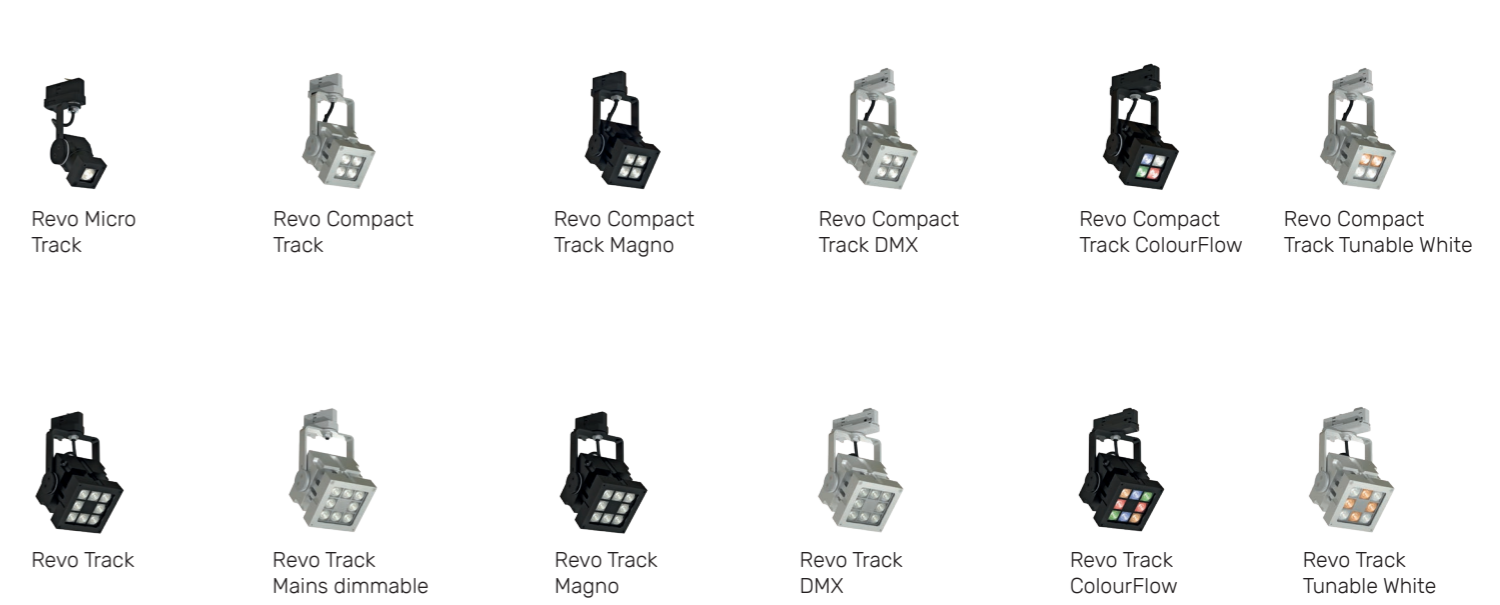


Hylo Series



> Product Series

Revo Track Series



Lina Series



Topaz Series



> Product Series

Ruby Compact Series



Ruby Compact
Pendant



Ruby Compact
Pendant Track



Ruby Compact
Surface



Ruby Compact
Bracket

Ruby Series



Ruby Pendant



Ruby Pendant
DMX



Ruby Pendant
ColourFlow



Ruby Pendant
Tunable White



Ruby Track



Ruby Track
DMX



Ruby Track
ColourFlow



Ruby Track
Tunable White



Ruby Surface



Ruby Surface
DMX



Ruby Surface
ColourFlow



Ruby Surface
Tunable White



Ruby Bracket



Ruby Bracket
DMX



Ruby Bracket
ColourFlow



Ruby Bracket
Tunable White

> Product Series

Emerald Series



Emerald M



Emerald M
Office

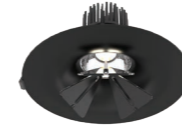


Emerald L



Emerald L
Office

Otis GII Series



Otis GII



Otis GII
No Mirror



Martina
Downlighter



Martina
Bracket

Martina Series

Mika Series



Mika



Mika
Tunable White



Mika
ColourFlow

Focus Micro^{G2} Series



Focus Micro^{G2}



Focus Micro Track^{G2}



Focus Micro^{G2}
Base



Focus Micro^{G2}
Extended

Focus Compact^{G3} Series



Focus Compact^{G3}
Spot



Focus Compact^{G3}
Track

Focus^{G4} Series



Focus^{G4} Spot



Focus^{G4} Track



Focus^{G4} on Track



Focus^{G4} in Track

> Product Series

Jade Series



Jade S



Jade Expo



Jade DMX



Jade HD



Jade ColourFlow & Tunable White



Jade Zoom

Krypton Series



Krypton

Ultima Series



Ultima



Ultima Track

Krönasår The Museum - Hotel, Europa-Park Germany | Becker Lichttechnik



Al Salam Palace Museum Kuwait | Nich Smith Light Design



Museum Huis van het Boek The Netherlands | 50LUX NL | Lichtpunt | Photography: 50LUX NL - Jeffrey Steenberg



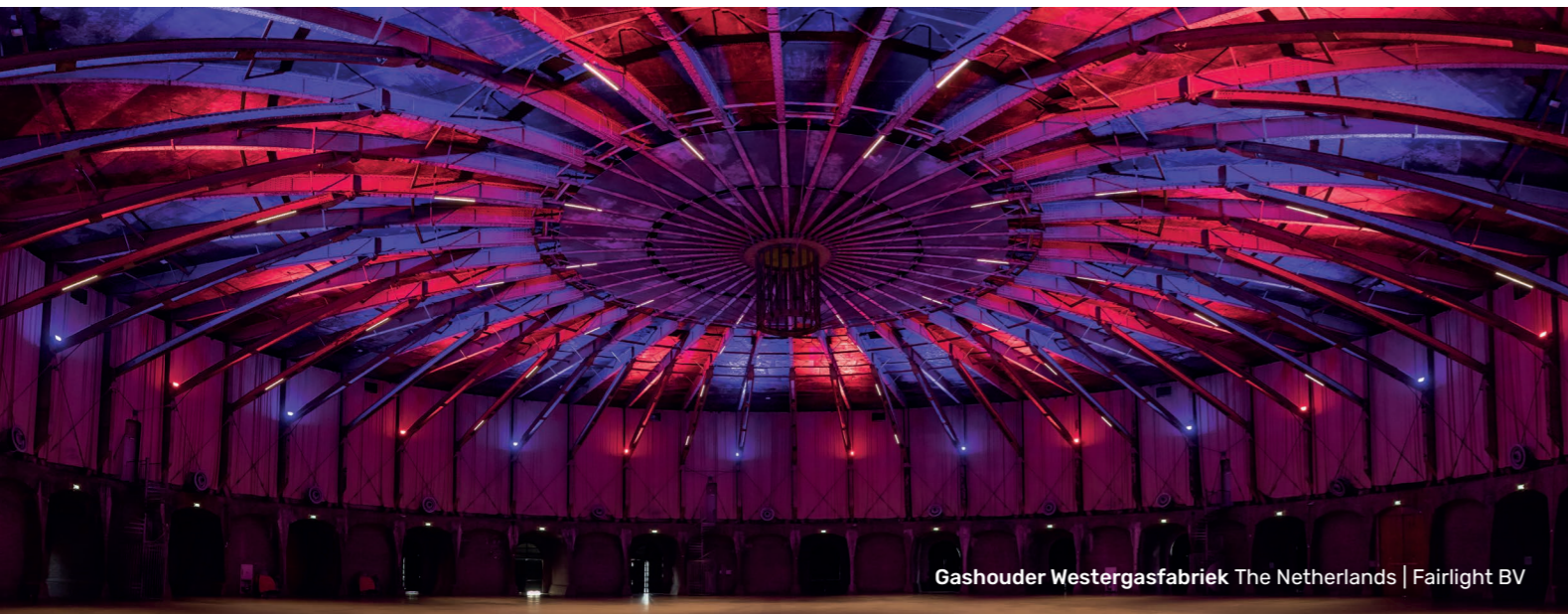
Chocolate Nation Belgium
HeinzLoopstra Lightdesign



Naturalis Biodiversity Centre The Netherlands | Photography: Koen Mol Fotografie
Various lighting design firms were involved in this project



Het Gezicht van Nijmegen The Netherlands | Lightsupply | Hullenaar Balk Installatietechniek | Photography: BART Photography



Gashouder Westergasfabriek The Netherlands | Fairlight BV

> Read what others have to say about us

> Christel Schönberger - Chainlight Lighting Systems Portugal

We are a big fan of the CLS Revo Series!

We implement them in most of our exterior projects, lighting architectural and garden projects. In the 15 years we are working with CLS fixtures, they have always exceeded expectations thanks to the numerous possibilities in different angles, LED colours, dimming options, and accessories.

CLS always offers the best product sales service, thinking with us to create the perfect lighting solution!

> Martin Opolka - ONWARD Bremen, Germany

Besides the extensive design possibilities, the proverbial reliability of CLS products is of particular importance to us.

> ILS Lighting & City Applications, Greece

CLS fixtures are an invaluable tool and our 'go-to' choice.

We choose CLS because of the easy selection process, many options and technical characteristics.

To enhance the architectural elements while also creating a visually appealing and inviting atmosphere we opted for the CLS Hylo for this building.

> Lars Ellgaard - CTO Lystek Aps, Denmark

Lystek Aps chose CLS because of its versatile and high quality products.

With elegant and timeless fixtures and its extreme zoom range it's possible to use the product in various solutions - e.g. in a compact space where details must stand out.

> Pelle Herfst - Bastard Orange Lighting Design, The Netherlands

With the great collection of light sources in the CLS palette,

We as lighting designers can draw on a range of possibilities to transform our projects into magical experiences and aesthetically appropriate solutions.

But to go that extra mile to take the creation to an even higher level, CLS continues to think along with the ideas of the lighting designer in developing creative solutions.

> Wired 4 Signs, Tennessee USA

The impact of CLS products on our light designing projects is genuinely impressive.

Seamlessly integrating a variety of architectural and interior styles elevate the overall impact of our projects.

CLS-LED

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