CONNECTING LED LIGHT EXPERIENCE

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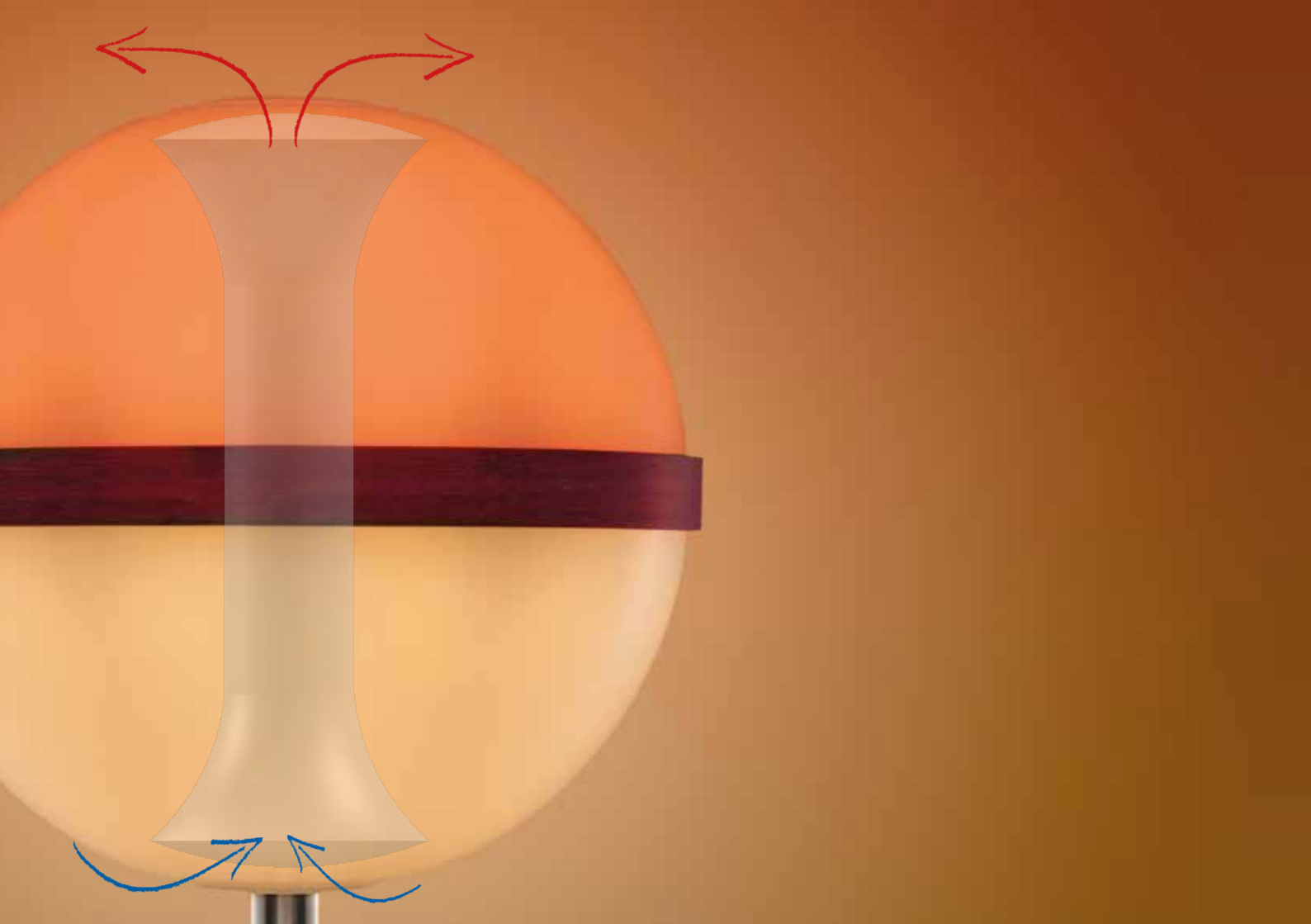
DYDELL

DYDELL DEVELOPS AND PRODUCES AN INNOVATIVE ATMOSPHERIC LIGHTING SYSTEM

DYDELL stands for Dynamic Design LED Light and develops and produces innovative atmospheric lighting. DYDELL presents a premium, dynamic and sustainable lighting concept that consists of multiple innovative light sources with a control system. Depending on the time of day or varying functions of a space a suitable light-ambiance can easily be created: from functional light during a lecture to a decorative atmosphere during drinks. For the commercial market DYDELL offers one group control system to which all DYDELL light sources can be connected and can be controlled as a group with standard lighting protocols, such as DALI, DMX and KNX. A consumer effortlessly controls their lighting wirelessly with the WiFi-smartphone-app or manually through the (wall) switch.

DYDELL CONNECTING LED LIGHT EXPERIENCE



LED SPHERE

The patented spherical LED sphere consists of two half spheres that independently provide warm white or candle white LEDs and are complemented by coloured (RGB) light. As a result, for each half sphere any desired ambiance can be created: from functional white light on a table to a stylish soft tone or decorative atmospheric lighting on the ceiling.

For preserving a stable colour temperature and a longer lifespan for the LED light sphere, well-controlled thermal management is crucial. The patented DYDELL 'LED-Lifetime Protector' is an innovative combination of an internal heat sink system with dimming functionality. When exceeding the maximum temperature (if the LED sphere is closed and would not be able to dissipate its heat sufficiently) the white LEDs may fade to blue light and the lifespan is drastically reduced. To prevent this, the dimming functionality is automatically activated, as a result of which the LEDs cool down and a maximum lifespan of 50,000 hours with a stable colour temperature can be guaranteed.

SPECIFICATIONS

- Large light yield: 1721 lumen (= equivalent to 130 Watt incandescent light bulb)
- Light composition: RGB+W (2700K warm-white or 2000K candle white)
- Power consumption: max 24 Watts
- Size: 14 X 14 X 14 cm
- High colour fastness: RA 95 (2700K)
- 360° light display: due to patented internal cooling system with LED-LIFE TIME PROTECTOR
- Wiring: 3-wire
- Life expectancy: 50,000 hours (= ± 30 years)
- Easy integration: due to the M10 threaded inner tube connection easy to intergrate in new and existing fixtures.
- Control features: DYDELL PRO (DMX, DALI, KNX), PRO CONTROL, PRO WIRELESS, DYDELL HOME (SMARTPHONE APP, control unit wall switch)
- Emergency light supply: optional

POWERLINE

The powerful Powerline of DYDELL stands out with its high light capacity and various appearances. In addition to the decorative lighting, commercial spaces can be functionally illuminated with white light. The LED line is obtainable in RGB + W or tuneable white. In the tuneable Powerline white light, both functional white (5000K) and warm white LEDs (2000K) are processed. Once the line is dimmed, the colour temperature of the light is warmer: a sustainable and atmospheric alternative to fluorescent light with the pleasant lighting characteristics of an incandescent light bulb. Through DYDELL PRO the Powerline can be used as a total system for the preferred ambiance but a colour pattern can also be created for each line. From functional line light to a playful architectonic play of light, all is possible with the DYDELL powerline.

SPECIFICATIONS

- High lighting output
- Light composition: tuneable white (5000k-2000k) or RGB+W (2700K or 2000K)
- Power consumption: max consumption 30 Watts per meter
- Wiring: 4-wire
- Size: Powerline 35 (B35 mm x H35 mm} or Powerline 80 (B80mm x H35mm)
- High colour fastness: RA 95 (2700K)
- Life expectancy: 50,000 hours (= ± 30 years)
- Control features: DYDELL PRO (DMX, DALI, KNX), PRO CONTROL, PRO WIRELESS
- Emergency light supply: optional

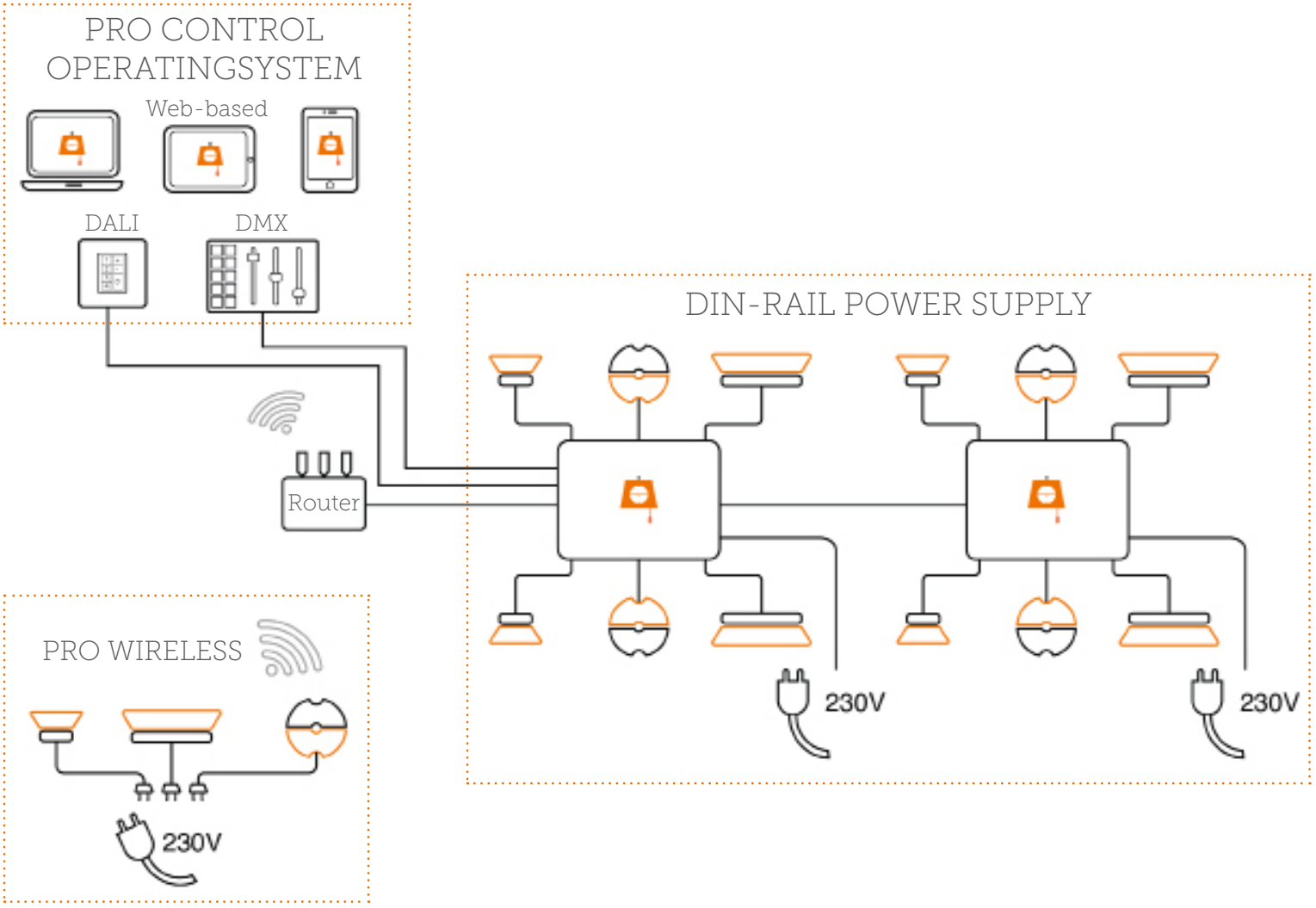
CONCEPT

GLARELESS SPOT

The new DYDELL Glareless spot is the ultimate answer for when the curtain comes down on halogen lights in 2018. What distinguishes this 'warm-dimming' spotlight is that due to an opening of only 10 mm, a wonderful uniform light bundle with a wide light spread is realised with a high lumen output up to as much as 1000 lumen (equivalent to 90 Watt halogen). The 'tunable-white spot is using 3 openings and the 'RGB+W' spot will use 5 openings of 10mm to create beautiful admosphere. Because the LED light source is positioned over the 10mm opening, it is not visible and isn't blinding when you look into the room. The sustainable and highly efficient Glareless spot is available in tuneable white and can be fitted into the ceiling so that only the 10 mm eye is visible. For situations in which spotlights have already been fitted, we offer finishing covers in various colours, dimensions and materials in which the 10mm opening is fitted.

SPECIFICATIONS

- High lighting output: up to 1000 lumen due to an opening of 10 MM
- Light composition: tuneable white (5000K - 2000K)
- Power consumption: max 12 Watts
- Wide light spread
- Wiring: 4 - wire
- High colour fastness: RA 95 (2700K)
- Life expectancy: 50,000 hours (= ±30 years)
- Control features: DYDELL PRO (DMX, DALI, KNX), PRO CONTROL, PRO WIRELESS
- Emergency light supply: optional


PRO CONTROL
OPERATINGSYSTEM
Web-based
DALI
DMX
Router
DIN-RAIL POWER SUPPLY
230V
230V
PRO WIRELESS
230V

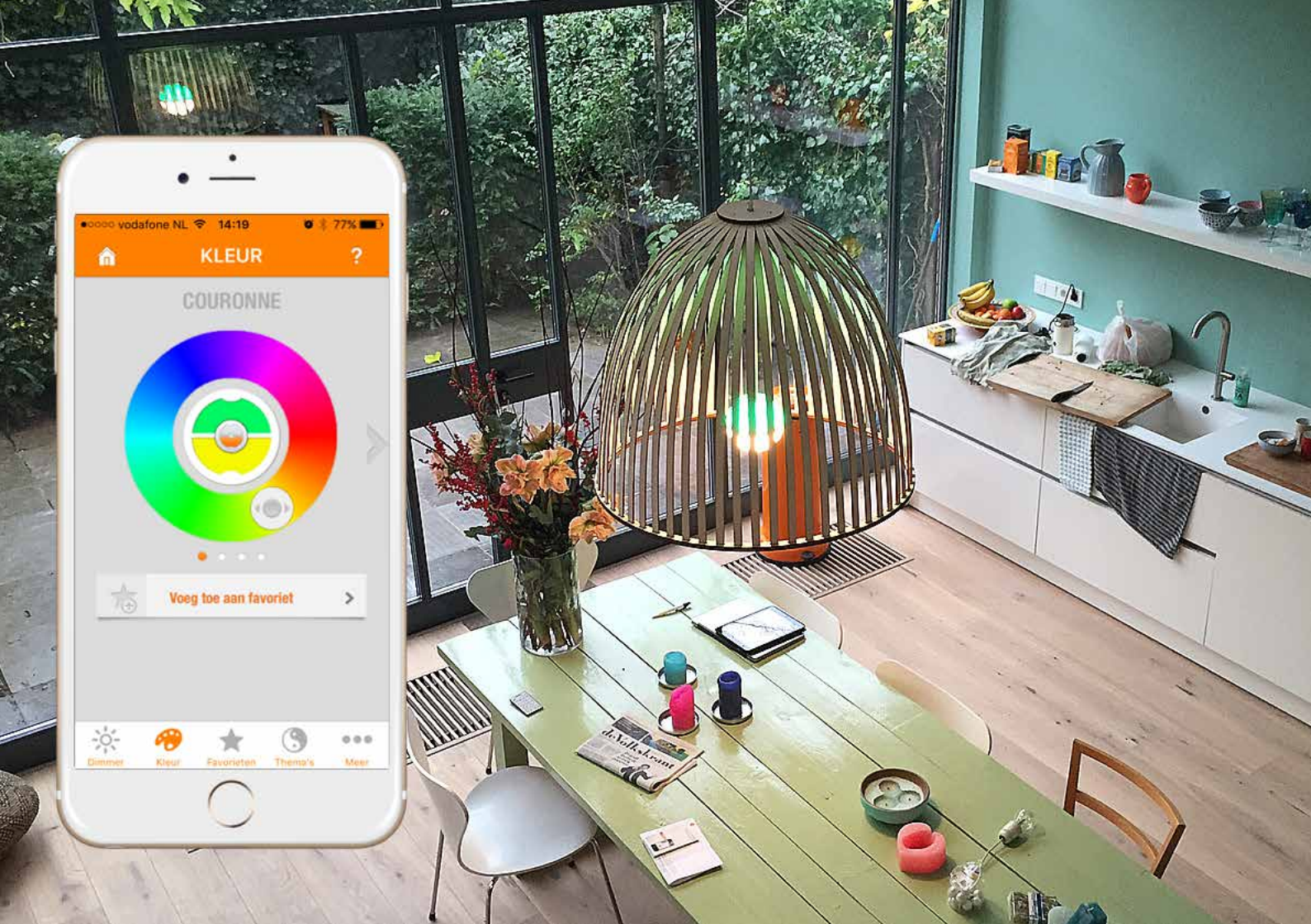
DYDELL PRO

DYDELL PRO is a professional group control system designed for commercial use, to which all DYDELL light sources can be connected and can be controlled with standard lighting protocols such as DALI, DMX and KNX.

DYDELL PRO works with a DIN rail power supply that provides 6, 9, 12 or 18 light sources with 24 Volts. To supply the next 6 to 18 light a further DIN rail power supply is added up to a maximum of 186 light sources. For each group of lights one web controller is processed with which the lights can be controlled with the desired lighting protocol.. Each DIN rail housing gets its own 230V power supply with active power factor correction. To avoid voltage drop DYDELL recommends installing the LED light sources in a radius of 15 metres from the DIN rail housing.

PRO WIRELESS

If it is not possible to use new wiring and the existing 230V electricity points have to be used, choose the PRO WIRELESS control system. Using WiFi the lights are connected to the DIN housing via the DYDELL web controller and can be controlled as a group with DALI, DMX and KNX.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77%
KLEUR
?
COURONNE
Voeg toe aan favoriet
Dimmer
Kleur
Favorieten
Thema's
Meer
de Volkskrant

DYDELL HOME

DYDELL HOME is the WiFi control system for consumers through which the sustainable multi coloured DYDELL LED light sphere can control each lamp.

The LED light sphere can be linked through the WiFi home network to your iPhone, iPad or iPod touch (from iOS 6) and controlled wirelessly with the free DYDELL app.

The app makes it possible to control the lamp for each half sphere, such as adjusting white and coloured light, creating a favourites ambiance list, selecting a colour theme (including different soft tones and colour therapy) or dimming the top and/or bottom of the LED sphere. Manual control using the control unit or through a wall switch is also possible.

SUSTAINABILITY

For some people 'sustainability' means compromising on comfort. Our motivation is to show that sustainability can be combined with more comfort and new functionalities.

- DYDELL processes no polluting mercury in its light sources such as the case with CFLs
- If the DYDELL LED light sources are dimmed, you immediately save on power consumption. This is often not the case with traditional wall dimmers
- To control the lights no battery operated remote control is needed. The lights can be controlled with your smartphone or tablet with WiFi-connection
- DYDELL illustrates your savings on the energy page of the smartphone-app. The total hours and the average consumption are also shown here. If you enter the energy rate can you calculate the costs of the consumption of your LED sphere.
- The DYDELL light sources burn at full strength in less than a second

BEFORE

BREAK

BAR

TAILORED LIGHTING

Research shows that the amount of light, the light colour and the dimming position immediately affects the behaviour of people.
In collaboration with the independent colour institute Colour Comfort, DYDELL offers 'TAILORED LIGHTING' in which the environment colour is adapted through dynamic light to the changing functions of spaces: from offices to waiting rooms

CONNECTING LED LIGHT EXPERIENCE

DYDELL is an honest and engaged family business which takes pride in considering the functional and aesthetic requirements of lighting different spaces. DYDELL also provides advice with regards to the proper handling of its lighting systems, develops and produces project-specific lighting, creates suitable ambiances that are aligned to the changing functions of a space and guides home installers or delivers the entire installation.

A pleasant room starts with the right ambiance. We are the link between a light source and a fantastic lighting experience! Do you have an idea or a lighting issue? Please contact us on **info@dydell.com** or call **+31 (0) 23-529 38 88** for a no obligation appointment.

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