LED Linear Lighting
2019
LED LINEAR LIGHTING SOLUTION PROVIDER
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Who Are We?

HUACAI OPTO-ELECTRONICS CO., LTD. [HUACAI], Founded in 2008, is a high-tech enterprise specializing in LED lighting. Our brand “COLORS” is committed to LED linear lighting solutions. With the objective to be the most influential, and innovative indoor lighting brand in the world. COLORS insists on its independent research & development, as well as the independent Intellectual property rights management. Having built a mature and stable products development system, quality control system, production supply chain, worldwide sales teams and brand agents, COLORS is also focusing on the future intelligent business mode to build network information system for providing flexibly customized products and service for our customers.

Eleven-year History
Eleven years of product development and experience accumulation to build up the brand.

Manufacture Base
Set up Yangzhou production base, with stable production quality, high production capacity and delivery ability, provide high-quality products for customers in time.

Certification System
Passed through ISO9001 quality system certification, ISO14001 environmental system certification and product certification of mainstream markets.

International Brand
Registered the trademark in 25 countries around the world. Conducted over 20 promotion events throughout the year. Brand services are all over the world.

Group Company
Headquartered in Shenzhen, and also set up branches in Europe and the United States.

Product System
Provide a full set of solutions for general lighting, decorative lighting and auxiliary lighting from the encapsulation of LED; the linear lighting luminaries, to the super free customized application system.

Independent R & D
Adheres to the business philosophy of independent research and development, intellectual property management. Won the title of national high-tech enterprise, as well as many international design awards and invention patents, including IF, IDEA, GOLDEN PIN.

Global Market
Products are sold to more than 90 countries and regions all over the world. Dominates the European market and cooperates with many major customers.
Brand

VIEW OF US
Worldwide Innovation Brand of Indoor LED Lighting

BRAND POSITIONING
LED Linear Lighting Solution Provider

BRAND STYLE
Concise | Trendy | Innovative

BRAND VALUE
Concentration | Profession | Acme | Innovation | Iteration

CONSIDERATION OF DESIGN
Simplification | User Friendly | Consumerism
Production Facility

COLORS has more than 30 high speed automatic encapsulation equipment, 15 automatic equipment of SMT and applied welding, has complete production process such as LED encapsulation, high speed SMT, automatic welding, and full series waterproof, with monthly average LED strip production capacity of 1 million meters, luminaries production capacity 100000. COLORS has stable quality, powerful production capacity and high delivery ability to provide quality products for customers.

Production Equipment & Process

COLORS has a number of experimental equipment such as cold and thermal shock equipment, constant temperature and humidity machine, aging equipment, salt spray test machine, IES test equipment, integrating sphere equipment, transport simulation shaking and so on, to verify and ensure that COLORS’ products meet the standards of photo-electric index, life-span and weather resistance.

Experimental testing equipment
COLORS adheres to the brand values of concentration, profession, acme, innovation, iteration, and products won various international design awards such as 2016 IF, 2017 IDEA, 2017 GOLDEN PIN, etc. In 2016, COLORS won the title of national high-tech enterprise and passed the ISO9001 QMS & ISO14001 EMS certification. All products have passed the testing of the third-party authoritative laboratories and have attained the quality certification from a variety of countries and regions: CE, REACH, ROHS, UL, ETL, CCC, SAA, TUV, LM-80 and so on.

Certification System

Patent
Linear Lighting Solution For All Applications

SCENCE
- Hotel
- Residential
- Office
- Retail
- Gym & Spa
- Theater & Museum
- Garden Landscaping
- Station Hall
- Maritime
- Under Water
- Outdoor
- Contour Lighting

INDOOR & OUTDOOR
- Contour Lighting
- Under Eave Lighting
- Indoor Lighting
- Wall Wash Lighting
- Facade Grazing Light Downwards
- Facade Grazing Light Upwards
- Step, Stair
- Under Beach
- Waterside
Product System

Product System LED Linear Lighting Solution

It presents a visionary design of linear lighting products, offering innovative, versatile, and efficient solutions for architectural and functional applications. The integration of linear lighting and LED technology is achieved through a seamless, efficient, and environmentally friendly approach.

Integrated Lighting

- Linear Lighting System
  - LED Strip
  - Silicone Neon Strip

- Track Lighting System

- Luminaire

The system comprises a wide range of products designed to cater to diverse lighting needs, whether for residential, commercial, or industrial environments. The design is flexible, allowing for easy installation and integration into various architectural styles.

Innovative Design

The system is designed with a focus on innovation and sustainability, offering a range of options for various lighting applications. The products are versatile and can be adapted to different environments, ensuring a comfortable and aesthetically pleasing lighting experience.

- Luminaire

The Luminaire is designed to be a versatile and adaptable lighting solution, suitable for use in a variety of environments, including residential, commercial, and industrial. The design is focused on flexibility and ease of installation, offering a range of options for different lighting needs.

Customization

The system offers a wide range of customization options, allowing designers and architects to create unique lighting solutions that complement the architectural style and functional requirements of the space.

- Luminaire

- Track Lighting System

- LED Strip

- Silicone Neon Strip

- Track Lighting System

- LED Strip

- Silicone Neon Strip

- LED Strip

- Silicone Neon Strip

- LED Strip

- Silicone Neon Strip

- LED Strip

- Silicone Neon Strip

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- Silicone Neon Strip

- LED Strip

- Silicone Neon Strip

- LED Strip
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COLORS integrated lighting makes an ingenious fusion of luminaire, architectural material and finishing material, and provides applications of “integration of architecture and lighting” and “integration of space and lighting”. The skirting line, plaster line, material gap and so on are all integrated into light. Creating light effects without necessarily seeing the light, provides most comfortable and most natural lighting experience.

Integrated Lighting System

Architecture lighting ALS series
The system makes an ingenious fusion of luminaire, architectural material and finishing material, and provides applications of “integration of architecture and lighting” and “integration of space and lighting”. The skirting line, plaster line, material gap and so on are all integrated into light. Creating light effects without necessarily seeing the light, provides most comfortable and most natural lighting experience.

Furniture lighting DLS series
DLS1.0, the miniature lighting product specially designed by COLORS, can be used for wardrobes, cabinets, bookcases and other panel furniture systems to meet the accent lighting needs of local spaces; this series can also be widely used for showcases in various types of commercial shops, revealing the luster & vitality of goods incisively and vividly to stimulate customers’ purchasing desires; it can also be used for toilet, bathroom, sauna room, bathhouse and other humid environments for auxiliary lighting and atmosphere fostering.

Product Series

Integrated lighting system includes architecture lighting ALS series and furniture lighting DLS series.

01
The system, makes a ingenious fusion of luminaire, architectural material and finishing material, and provides applications of “integration of architecture and lighting” and “integration of space and lighting”. The skirting line, plaster line, material gap and so on are all integrated into light. Creating light effects without necessarily seeing the light, provides most comfortable and most natural lighting experience.

ALS Series-Integrated Architecture Lighting
# Product List

## ALS

<table>
<thead>
<tr>
<th>Application</th>
<th>Model</th>
<th>Drawing</th>
<th>Lighting Distribution</th>
<th>Size (mm)</th>
<th>Installation</th>
<th>Coating</th>
<th>Light Source</th>
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① Customizable color
## Product List

### ALS

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<th>Application</th>
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<th>Size [mm]</th>
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*Customizable color*
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Integrated Architectural Lighting Solution
Trimless Recessed

Through trimless recessed design, the lighting can be integrated into the architecture. According to different applying demands, COLORS provide products with multiple luminous surface from 10mm to 100mm, and matched with 20m/roll flexible diffuser, the installation will be more convenient.
Installation Instruction

LR1313(A)

LR2514(A)

LR1313(B)

LR2514(B)

Gypsum board

Gypsum board

Plaster

Luminous surface 10mm

Luminous surface 20mm

Luminous surface 10mm

Luminous surface 20mm

Decorative wooden board

Wood substrate
Installation Instruction

LR3735

LR3924

LR5535(A)

LR5535(B)

LR10324
Gypsum Lighting

Make the lighting integrated into the gypsum board, to present the lighting effects such as wallwashing and invisible luminaire, and create natural and comfortable atmosphere. With dismountable buckle design, make installation more convenient.
Installation Instruction

LG4626

LG7070

LG7043
Wall Lighting

Wall-mounted upward and downward lighting, used for decorative lighting of corridor and wall, achieving better lighting effect in the space.

LG7011

LG7042
Skirting Board Lighting

It replace the traditional skirting board, integrated with lighting, suitable for decorative lighting in projects and residential space. Lighting upward/outward/downward, surface mounted and built-in design, can meet different applying demands. Matching with 20m/roll flexible diffuser provide more convenient installation.
Installation Instruction

SK8231

15mm

Wall

Stone

Wood substrate

SK10031

15mm

Wall

Stone

Wood substrate

SK10016

15mm

Wall

Wood substrate

Wood floor

SK10816

15mm

Wall

Wood substrate

Wood floor

LC8531
Floor Lighting

Indoor outdoor floor lighting can be widely used for sidewalks, bicycle lanes, parking lots and bathrooms, perfectly outline structure, create thousands of stylings with good resistance of water, humidity and crush.
Corner Lighting

The product can be installed on the cement, gypsum board and tile. It can be used for decorative lighting of inner and outer corner of wall edges, perfectly integrated with architecture.
Installation Instruction

LG2323

LG3636

LG2727

LG4343
Wall-washing Lighting

Wall-washing lighting on the ceiling and floor, the light outlines the edge of space, create wonderful atmosphere. With invisible design, providing lighting effect without seeing the luminaire.

Installation Instruction

LR3440

LR3522
Gap Lighting

Composed of profile and silicone neon strip, only 3.4 mm luminous surface, ultra slim and ultra thin, tiny but shiny. The silicone neon strip features waterproof and dustproof, can be installed conveniently without diffuser. And it can be widely used in a variety of narrow spaces for decoration, can be either integrated with architecture for guiding lighting.

Installation Instruction

**LS0510**

- Wood substrate
- Decorative wooden board
- 9mm

**LE0816**

- Wood substrate
- Decorative wooden board
- 9mm
- 9mm
DLS Series-Integrated Furniture Lighting

DLS, the miniature lighting product specially designed by COLORS, can be used for wardrobes, cabinets, bookcases and other panel furniture systems to meet the accent lighting needs of local space; this series can also be widely used for shelves, showcases in various types of commercial shops, revealing the luster & vitality of goods incisively and vividly to stimulate customers’ purchasing desire; it can also be used for toilet, bathroom, sauna room, bathhouse and other humid environments for auxiliary lighting and atmosphere fostering.
## Product List

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<td>Entry Cable</td>
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<td>Typ.Power</td>
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<td>24V</td>
<td>15W/M</td>
<td>2700K/3000K</td>
</tr>
</tbody>
</table>
Highlight

Dot-free Light Source: perfect homogenous lighting distribution.

Multiple Emission Angles: 45°, 90°, 0-180° or 0-90° adjustable; Lighting in the way you wish.

Various Diffusers: Several optional diffusers; Various shapes and light distribution.

Small size for various application: Super slim and thin; Compact to be placed everywhere.

The new product of furniture lighting LS1612L, achieves four beam angles by one luminaire: Acrylic arc-shaped diffuser for spotlighting of small angles, through movable light source can realize four beam angles, meet different lighting demands.
Furniture Integrated Lighting Solution

DIFFUSER

- F type
- C type
- K type
- P type
- L type

EXTENDER

- T type
- L type
- T type
- X type
- 180° Extender

END CAP

- With hole
- Without hole

INSTALLATION ACCESSORIES

- 0°
- 90°
- 45°
- With hole
- Without hole

PROFILE TYPE

- Edge
- Thin
- Recessed
- Corner
- Surface

CONTROLLER

- Sensor
- Touch
COLORS Linear Lighting System, based on “flexible” and “interconnected” linear light source, intensified the luminaire structure and optical design. The continuously interconnected linear lights as an important interior design element, could move back and forth freely along the edge of ceilings, floors and walls, to present infinite creative styles, and meet the basic needs of flood lighting & decoration with highly creative & futuristic lighting effects, then to give the space a completely new definition. Designers could make customized space design, lighting design, product model selection and personalized customization, according to the differential features of the actual project, to make perfect indoor environment with unique ideas, so everybody could enjoy charming and innovative designs.

Product Series

Linear Lighting System Includes Linear Lighting System LLS2.0 and Curve Lighting System LLS-C

Linear Lighting System LLS2.0 Series

The System, by changing the modular design and installation method of the product, has redefined the function and application mode of linear lighting and has broken the constraints on traditional lighting system, which has achieved “three freedoms”, namely, the design freedom of people, the installation freedom of product, and the application freedom of environment. LLS2.0 is iterated and upgraded based on the LLS 1.0 design with more corner accessories added to achieve more creative styles.

Curve Lighting System LLS-C Series

COLORS Curve Lighting System through the sublimation from straight line to curve, transformation from 2D to 3D, linear lighting is brought with a brand-new revolutionary experience. The straight and curve basic modules are utilized to produce various circular luminaires, interconnect curves freely and intersperse combined structure randomly. Limitless possibilities produce limitless imagination. The flowing light shuttles back and forth along the edge of ceilings, wall and floors, creating thousands of styles and opening new illumination horizons.
LLS 2.0 Series-Linear Lighting System

The System, by changing the modular design and installation method of the product, has redefined the function and application mode of linear lighting and has broken the constraints on traditional lighting system, which has achieved “three freedoms”, namely, the design freedom of people, the installation freedom of product, and the application freedom of environment. LLS2.0 is iterated and upgraded based on the LLS1.0 design with more corner accessories added to achieve more creative styles.
## Product List

### LLS2.0

<table>
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<th>Luminous surface size</th>
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<th>Installation</th>
<th>Coating</th>
<th>Standard extender</th>
<th>Customizable corners</th>
<th>Light source</th>
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</thead>
</table>
| 30mm                  | LS5380 | ![Image](image1) | 35×60×2500 | ![Image](image2) | ![Image](image3) | ![Image](image4) | ![Image](image5) | ![Image](image6) | D8280 24V 75mm  
|                       |        |         |           |              |         |                  |                      |              |
| 40mm                  | LS54067| ![Image](image7) | 40×67×2500 | ![Image](image8) | ![Image](image9) | ![Image](image10) | ![Image](image11) | ![Image](image12) | D8280 24V 100mm  
|                       |        |         |           |              |         |                  |                      |              |
|                       | LE5535 | ![Image](image13) | 55×35×2500 | ![Image](image14) | ![Image](image15) | ![Image](image16) | ![Image](image17) | ![Image](image18) | D8280 24V 120mm  
|                       |        |         |           |              |         |                  |                      |              |
| 50mm                  | LS5470(F) | ![Image](image19) | 54×70×2500 | ![Image](image20) | ![Image](image21) | ![Image](image22) | ![Image](image23) | ![Image](image24) | D8280 24V 170mm  
|                       | LE6955(F) | ![Image](image25) | 69×35×2500 | ![Image](image26) | ![Image](image27) | ![Image](image28) | ![Image](image29) | ![Image](image30) | D8280 24V 200mm  
|                       | LR5535(A) | ![Image](image31) | 95×35×2500 | ![Image](image32) | ![Image](image33) | ![Image](image34) | ![Image](image35) | ![Image](image36) | D8280 24V 230mm  
|                       | LR5535(B) | ![Image](image37) | 95×35×2500 | ![Image](image38) | ![Image](image39) | ![Image](image40) | ![Image](image41) | ![Image](image42) | D8280 24V 230mm  
| 70mm                  | LS7977 | ![Image](image43) | 79×77×2500 | ![Image](image44) | ![Image](image45) | ![Image](image46) | ![Image](image47) | ![Image](image48) | D8620 24V 300mm  
|                       | LE9435 | ![Image](image49) | 94×35×2500 | ![Image](image50) | ![Image](image51) | ![Image](image52) | ![Image](image53) | ![Image](image54) | D8620 24V 300mm  
| 100mm                 | LS10570 | ![Image](image55) | 105×70×2500 | ![Image](image56) | ![Image](image57) | ![Image](image58) | ![Image](image59) | ![Image](image60) | D8660 24V 400mm  
| 120mm                 | LS12335 | ![Image](image61) | 123×35×2500 | ![Image](image62) | ![Image](image63) | ![Image](image64) | ![Image](image65) | ![Image](image66) | D8660 24V 600mm  
| φ60mm                 | LT60   | ![Image](image67) | φ60×2500 | ![Image](image68) | ![Image](image69) | ![Image](image70) | ![Image](image71) | ![Image](image72) | D8620 24V 150mm  
| φ90mm                 | LT90   | ![Image](image73) | φ90×2500 | ![Image](image74) | ![Image](image75) | ![Image](image76) | ![Image](image77) | ![Image](image78) | D8650 24V 150mm  
| φ120mm                | LT120  | ![Image](image79) | φ120×2500 | ![Image](image80) | ![Image](image81) | ![Image](image82) | ![Image](image83) | ![Image](image84) | D8650 24V 180mm  
| 40mm Lighting upward & downward | LC12843 | ![Image](image85) | 128×43×2500 | ![Image](image86) | ![Image](image87) | ![Image](image88) | ![Image](image89) | ![Image](image90) | D8620 24V 150mm  

- Customizable color
- Customizable standard extender
- Customizable corner
## Light Source

**LLS2.0**

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<th>Type</th>
<th>Model</th>
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<th>LEDs/m</th>
<th>Min Cut</th>
<th>Entry Cable</th>
<th>DC</th>
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<td>&gt;95</td>
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<td>3900L/M</td>
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<td><strong>Light Source</strong></td>
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<td>LL2.0</td>
<td>W-DC24V+ DC24V-</td>
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<td>NW-</td>
<td>W-</td>
<td>NW-</td>
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</tbody>
</table>

**Notes:**
- **Typ.Power:** Typical power consumption.
- **CCT:** Color Coral Temperature (Kelvin).
- **CRI:** Color Rendering Index.
- **Lumens:** Light output in lumens.
- **Size:** Physical dimensions.
- **Package:** Quantity per box.
- **Suitable profile:** Suitable for various applications and profiles.
**LLS2.0 UPGRADE**

**Flexible anti-glare diffuser:** 50M roll, anti-glare flexible diffuser, meet the requirement of different applications.

**Black diffuser:** Integrated with architecture, provides lighting effect without seeing the luminaire.

**Surface mounting:** Luminaire can fit the wall seamlessly, the installation and maintenance are easy and efficient.

**Luminous efficiency improved:** Reflective paper is attached on the flanks of the profile, which can optimize and improve the luminous efficiency, and meet higher lighting requirements.

**Interconnection of profile:** New-added interconnection accessory of profile, the screws can be turned from the front of profile, convenient and efficient.

**Interconnection of luminaire:** The brand new interconnection accessory, interconnection of the luminaire without disassembly, convenient and efficient.

**Connectors:** Multiple optional standard connectors, and any other special angle (L-shape, T-shape, X-shape and other angles) can be customized, seamless connection with appealing design.

**Integrated Track Cabling:** Integrated track cabling solution, save effort and time, includes dimming and non-dimming.

**Magnetic End Cap:** Magnetic absorption design, connect in seconds. Minimalist and trendy appearance without screws.

**Professional Matching Tool:** Professional matching tool of diffuser installing, used for ultra-long application of pendant, surface mounted, save time and complete easily.
Linear Lighting Solution

**LIGHT SOURCE**

- **LT series**
- **LC series**
- **LS series**
- **LE series**
- **LR series**

**INSTALLATION**

- Well mounted
- Surface mounted
- Recessed without trim
- Recessed with trim

**INTEGRATED TRACK CABLEING**

- Beautiful overall effect
- Quick connector

**DIFFUSER**

- General diffuser: PC material/2.5M
- Black diffuser: PC material/2.5M
- Aluminium blind diffuser: AL6063/2.5M
- Flexible anti-glare diffuser: PC material/50M
- Flexable diffuser: PC material/50M
- Black diffuser: PMMA material/2.5M
- Aluminium blind diffuser: AL6063/2.5M

**PROFILE**

- Flexible strip
- Rigid module
- Toning rigid module

**POWER SUPPLY**

- 0~10V/PWM/Resistor dimming
- DALI-dimming
- Non-dimming

**INTERCONNECTION**

- Vertical connection
- Horizontal connection
- Profile interconnection
- Laminate interconnection
- Customized corner

**Other Brands:**

- TRIDONIC
- PHILIPS
- OSRAM
Stylish Lighting Application

**Extension of Straight Line**
Available for single luminaire use, in orderly arrangement and ultra-long interconnection for limitless extension.

Ultra long interconnection

Single luminaire use

- **1.2M**
- **2.5M**
- **A**

- **1.2M**
- **2.5M**
- **B**

- **1.2M**
- **2.5M**
- **C**

- **1.2M**
- **2.5M**
- **D**

Ultra long interconnection, no light leakage with the 50m flexible diffuser.

**Planar Interconnection**
Horizontal interconnection, lighting upward/downward; vertical interconnection, lighting inward/outward.

Horizontal interconnection

Vertical interconnection

**3D Style**
Shuttle freely along the edge of ceiling, wall, floor.

Shuttle freely along the edge of ceiling, wall, floor.
Pendant

Wall mounted
Surface mounted
Components

Surface mounted
Luminaire
Interconnection Instruction
Trimless Recessed

The 1st layer wooden board

The 2nd layer gypsum board

Sticker

Putty powder

Coating

Trimless Recessed

The 1st layer wooden board

The 2nd layer gypsum board

Putty powder

Coating
Interconnection Instruction
Wall mounted

Interconnection Instruction
Surface mounted

Pendant

Interconnection Instruction
COLORS Curve Lighting System, through the sublimation from straight line to curve, transformation from 2D to 3D, linear lighting is brought with a brand-new revolutionary experience. The straight and curve basic modules are utilized to produce various circular luminaires, interconnect curves freely and intersperse combined structure randomly. Limitless possibilities produce limitless imagination. The flowing light shuttles back and forth along the edge of ceilings, wall and floors, creating thousands of styles and opening new illumination horizons.

LLS-C Series- Curve Lighting System
<table>
<thead>
<tr>
<th>Series</th>
<th>Model</th>
<th>Drawing</th>
<th>Size (mm)</th>
<th>Installation</th>
<th>Coating</th>
<th>Lighting direction</th>
<th>Light source</th>
<th>Suitable diffuser</th>
</tr>
</thead>
<tbody>
<tr>
<td>Modules</td>
<td>AS3535-2500</td>
<td>35x35x2500</td>
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<td>Lighting downward</td>
<td>DY8140-24V-20mm</td>
<td>D8140-24V-20mm</td>
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<tr>
<td></td>
<td>AS3535-08A45</td>
<td>35x35, D8010 45°</td>
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<td>Lighting downward</td>
<td>DY8140-24V-20mm-08A45</td>
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<td></td>
<td>AS3535-08A90</td>
<td>35x35, D8010 90°</td>
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<tr>
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<td>35x35, D3000 45°</td>
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<td>Lighting outward</td>
<td>D8140-24V-20mm</td>
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<td>Luminaires</td>
<td>AS3535-08A360</td>
<td>35x35, D8010 360°</td>
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### Product List

#### AH5060 Series

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<thead>
<tr>
<th>Model</th>
<th>Drawing</th>
<th>Size</th>
<th>Installation</th>
<th>Coating</th>
<th>Lighting direction</th>
<th>Light source</th>
<th>Suitable diffuser</th>
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<tbody>
<tr>
<td>AH5060-2500</td>
<td><img src="ah5060-2500.png" alt="Diagram" /></td>
<td>50x60x2500</td>
<td><img src="ah5060-2500_updown.png" alt="Upward/Downward" /></td>
<td><img src="ah5060-2500_light.png" alt="Lighting" /></td>
<td><img src="ah5060-2500_coating.png" alt="Coating" /></td>
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<tr>
<td>AH5060-10A45</td>
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<td>50x60, D1000 45°</td>
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#### Modules

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<th>Light source</th>
<th>Suitable diffuser</th>
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#### Luminaire

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*Customizable color*
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<th>Entry Cable</th>
<th>DC</th>
<th>Typ.Power</th>
<th>CCT</th>
<th>CRI</th>
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<th>Package</th>
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<td>D8140-24V-20mm</td>
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<td>AS5060-08A45</td>
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</tbody>
</table>
Modularized design:
8 modules can be combined and interconnected freely according to the spatial design.

Circular Application:
Can be interconnected into circular luminaires with different diameters.

Curve Application:
Can be interconnected into curves with different radians.

Lighting upward&downward:
AH5060 series available for lighting upward&downward.

Flexible diffuser:
20m/roll flexible diffuser, ultra-long application in 3D space without connection and light leakage. 8 modules can share the same diffuser.

Interconnection without light leakage:
Brand new connectors, convenient using and no light leakage.
Curve Lighting Solution
AS3535 Series

PROFILE
- Lighting Downward
- Lighting Inward
- Lighting Outward
- Curve
- Straight Line

CONNECTORS
- The side
- The back

DIFFUSER
- Circular
- Curve
- 3D

INSTALLATION
ACCESSORIES
- Surface mounted (lighting downward)
- Surface mounted (lighting inward/outward)
- Recessed (lighting downward)
- Pendant cable
- Flexible strip
- Rigid module

LIGHT SOURCE
- CCT
- 1900K
- 2300K
- 2700K
- 3000K
- 3500K
- 4000K
- 5000K
- 6000K

APPLICATION
- Suitable for all series
- Suitable for all series
- Circular
- Curve
- 3D
Basic Modules

AS3535 Series

- Φ800mm, Curve 90° (Lighting Downward), 45° Rigid Module
- Φ800mm, Curve 45° (Lighting Downward), 45° Rigid Module
- Φ1500mm, Curve 90° (Lighting Inward), Flexible Strip
- Φ1500mm, Curve 90° (Lighting Outward), Flexible Strip
- Φ1500mm, Curve 45° (Lighting Downward), 45° Rigid Module
- φ3000mm, Curve 45° (Lighting Downward), 22.5° Rigid Module
- Straight Line (2500mm), Rigid Module (699mm)
Basic Modules
AH5060 Series

- Φ1000mm, Curve 90° (Lighting upward&downward), 45° Rigid Module
- Φ1500mm, Curve 90° (Lighting upward&downward), 45° Rigid Module
- Φ1500mm, Curve 45° (Lighting upward&downward), 45° Rigid Module
- Φ1500mm, Curve 45° (Lighting upward&downward), 22.5° Rigid Module
- Φ3000mm, Curve 90° (Lighting inward&outward), Flexible Strip
- Φ1500mm, Curve 90° (Lighting inward&outward), Flexible Strip
- Φ1500mm, Curve 45° (Lighting inward&outward), 22.5° Rigid Module
- Straight Line (2500mm), Rigid Module (499mm)
Installation

Pendant

- Pendant (Lighting Downward)
- Pendant (Lighting Upward)
- Pendant (Lighting Inward)
- Pendant (Lighting Outward)

Wall mounted & Mounted away from the wall

- Wall mounted (Lighting Downward)
- Wall mounted (Lighting Outward)
- Wall mounted (Lighting Inward)
- Mounted away from the wall (Indirect Illumination)

Surface mounted & Recessed

- Recessed (Lighting Downward)
- Surface mounted (Lighting Downward)
- Surface mounted (Lighting Outward)
- Surface mounted (Lighting Inward)
Circle Luminaire

AS3555 Series

φ1.5m (Lighting outward)

φ1.5m (Lighting inward)

φ1.5m (Lighting inward&outward)

φ1.0m (Lighting upward&downward)

AHS060 Series

φ1.5m (Lighting upward&downward)

φ1.5m (Lighting downward)

φ0.8m (Lighting downward)

φ1.5m (Lighting outward&downward)

φ1.0m (Lighting upward&downward)

Finished luminaire, free combination
Interconnection Instruction

1. straight & curve
   - Lighting Outward
   - Lighting Downward

2. straight & straight
   - Lighting Downward

3. straight & curve
   - Lighting Downward

4. curve & curve (into a circle)
   - Lighting Outward
   - Lighting Downward

5. curve & curve (s type)
   - Lighting Inward
   - Lighting Outward

More connections:
Interconnection Instruction
COLORS Track Lighting System, contains the 220VAC voltage system and 48VDC voltage magnetic system. According to the design concept of convenient installation, flexible application and professional light distribution, the installation of system modules adopt track clip mounting and magnetic mounting, easy and convenient. Besides, the system matched with COLORS Quintet optical system can achieve multiple light distributions, such as spot (12°), flood (24°), wide flood (36°), broad flood (50°), oval flood (75’x35’), wallwash, diffuser (110°), flexibly used for different applications, and provide professional linear lighting solution for office, residential, commercial and industrial fields.

220VAC Voltage System TLS-T
220VAC voltage system, access voltage 200-240VAC, provide multiple modules of linear track luminaire, matching with COLORS Quintet optical system can achieve general lighting, accent lighting and asymmetric lighting. And the system can be used together with traditional track spotlight or replace it, featuring convenient installation and flexible application, suitable for different applying demands.

48VDC Voltage Magnetic System TLS-M
48VDC voltage magnetic system adopts 48V safety constant voltage, features varieties of optical modules with different standard lengths. And adopting COLORS Quintet optical system can achieve multiple light distributing demands, with flexible and convenient magnetic installation, the system is also equipped with multiple interconnected corners, able to achieve more stylings in different applications.
Design Concept

Nature and lighting
Geometrically, combining hexagonal structure of honeycomb and the Polaris shape, and many sides of the reflective cup are depicted as Polaris elements, that is how we can ingeniously eliminate the strong glare generated by light reflection. The design concept of the optical component comes from nature, and expresses the close relationship between nature and lighting.

Architecture and lighting
The lateral structure design of the whole optical system originates from the architecture of the China Pavilion of Shanghai World Expo, integrating its design features, perfectly showcases the tight connections between architecture and lighting.

Design evolution
Brand new concept, brand new technology

The linear track luminaire equipped with the Quintet optical system creatively designed by COLORS, break through the design method of traditional optical system, then adopt the brand new concept and technology, closely combine the nature, architecture and lighting. At the same time of featuring an elegant appearance, it can also achieve various optical functions such as spotlighting, floodlighting and wall-washing, to meet the requirements of indoor functional lighting, and provide professional linear lighting solution for office, residential, commercial and industrial fields.
Versatility of Optics

TLS Linear Track Luminaire matched with COLORS Quintet optical system can achieve multiple light distributions, such as spot (12°), flood (24°), wide flood (36°), broad flood (50°), oval flood (75°x35°), wallwash, diffuser (110°), and achieve flexible application to meet the requirement of different scenes.
TLS-T Series- 220VAC Voltage System

220VAC Voltage System matched with COLORS Quintet optical system can achieve multiple light distributions, such as spot (12°), flood (24°), wide flood (36°), broad flood (50°), oval flood (75° x 35°), wallwash, diffuser (110°), and achieve flexible application to meet the requirement of different scenes.
## Product List

### TLS-T

<table>
<thead>
<tr>
<th>Subseries</th>
<th>Name</th>
<th>Model</th>
<th>Drawing</th>
<th>Size (mm)</th>
<th>Installation</th>
<th>Optics</th>
<th>Coating</th>
<th>Dimming</th>
<th>CRI</th>
<th>CCT</th>
<th>Typ. Power</th>
<th>Lumens</th>
<th>Certification</th>
<th>Warranty</th>
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</tbody>
</table>

- **Subseries**: 400mm, 600mm, 1200mm Track luminaire, Pendant, Recessed
- **Model**: TLS-T40G, TLS-T40FD, TLS-T40GW
- **Drawing**: Grating, Diffuser, Wallwash
- **Size**: L382*W41*H84, L571*W41*H65, L1138*W41*H65
- **Installation**: Non-dimming
- **Optics**: Customizable color
- **Coating**: 0-10V / DALI optional
- **Dimming**: >80
- **CRI**: Customizable CRI90X stands for W (white) or B (black)
- **Certification**: CE
- **Warranty**: 5 years

---

Note: X stands for W (white) or B (black)
## Product List
### TLS-T

<table>
<thead>
<tr>
<th>Subseries</th>
<th>Name</th>
<th>Model</th>
<th>Drawing</th>
<th>Size (mm)</th>
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</table>

*www.colorsled.com* | 135134
Multi-angle illumination, vivid lighting effect: realized free adjustment 0~350° horizontally and 0~45° vertically, can meet all directions illumination. Multi-angle illumination makes the subject details more stereoscopic.

Double safety adaptor, Double security: with the track clip of luminaire module and plastic double buckle, able to achieve the seamless installation between luminaire and track, safe and reliable.

Adaption to different brands tracks, Faster and more convenient: it can realize 3-circuit control and compatible with DALI system. By applying suitable track adaptor, the luminaire can fit with many well-known brands of tracks.

4 wires 3 circuit square track light system: with a complete set of track accessories, COLORS 3-circuit track adopts rectangular section copper wire with high conductivity, increasing the area of electric shock and the efficiency of electricity. As a systematic solution which is suitable for different applications, features easy instalation, reliability and concise design.
Installation Instruction
48V Voltage Magnetic System matched with COLORS Quintet optical system can achieve multiple light distributions. Adopting 48V safety constant voltage, the magnetic track can be flexibly used with the blind cover, and matched with multiple standard luminaire module, to achieve varieties of light distributions. The system is also equipped with multiple interconnected corners, able to achieve freely interconnections, create more stylings in different applications.

TLS-M Series- 48VDC Voltage Magnetic System
## Product List

### TLS-M

<table>
<thead>
<tr>
<th>Subseries</th>
<th>Name</th>
<th>Model</th>
<th>Drawing</th>
<th>Size (mm)</th>
<th>Installation</th>
<th>Optics</th>
<th>Coating ①</th>
<th>Dimming ②</th>
<th>CRI ③</th>
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<th>Certification</th>
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① Customizable color  ② 0-10V / DALI / Bluetooth mesh dimming optional  ③ Customizable CRI90X stands for W (white) or B (black)

www.colorsled.com  |  143142
# Product List

**TLS-M**

<table>
<thead>
<tr>
<th>Name</th>
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<td>Blind cover</td>
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<td>L90W-MR corner</td>
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</table>
Multiple standard luminaire modules, flexibly matching:
- Provide standard luminaire modules of three sizes, 200mm, 400mm and 600mm, matched with various optical diffusers as you need for achieving arbitrary application.

Seamless interconnection of track, limitless stylings:
- The magnetic track which can be interconnected freely, able to be matched with various corners, achieve arbitrary stylings and meet varieties of applying demands.

Magnetic design with plastic buckle, convenient and reliable installation:
- Adopting strong magnet absorptive installation, at the same time using plastic buckle to prevent falling, double insurance, convenient and reliable installation.

Freely adjust the height of luminaire profile, to suit the different thickness of ceiling:
- The recessed, provide two installation methods through adjusting the height of luminaire profile to suit the different thickness of ceiling.

H-type track of lighting upward&downward, better lighting effect in the space:
- The track of lighting upward adopts 48V constant voltage LED strip which can be cut; the track of lighting downward can be matched with magnetic luminaire modules freely, more flexible application, and lighting upward&downward in the space provide better lighting effect.
Modular Solution

Grating module
Diffuser module
Blind cover
H-type track of lighting upward&downward
Wallwash module
Corner
Linear Luminaires

COLORS linear luminaires, as the mainstream trend of indoor general lighting in the future, based on the stylish lighting system, more professional optical designs, such as anti-glare, spotlighting, bidirectional polarizing, wall washing and grazing, heat dissipation and photoelectric indicators of higher standards, are used to reach the professional indoor functional lighting, accent lighting and special lighting demands, so as to provide full-set linear lighting solutions for offices, residential, commercial and industrial fields. After the continuous upgrade of linear lighting module, the free interconnection with track and intelligent dimming control, the linear lighting will lead the lighting trends for livable life in the future.
<table>
<thead>
<tr>
<th>Series</th>
<th>Subseries</th>
<th>Luminaire length (mm)</th>
<th>Model</th>
<th>Drawing</th>
<th>Size</th>
<th>Installation</th>
<th>Optics</th>
<th>Coating</th>
<th>Dimming</th>
<th>CRI</th>
<th>CCT</th>
<th>Typ. power</th>
<th>Lumens</th>
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<th>Warranty</th>
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**Notes:**
- Luminaire length: L35, L50, L70
- MOQ for black and white: 155154
- DALI dimming and non-dimming optional
- Other CCT customizable

**Certifications:**
- UL/FCC/CE/CB

**Warranty:**
- 5 years
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- **LE50G**: Diffuser
- **LE50DP**: (UCi diffuser)
- **LS50G**: (Grating)
- **LS50DP**: (Grating+diffuser)
- **LS50FW**: (Grating+blind)
- **LS50G**: (Wallwash)
- **LS50FW**: (Wallwash)
- **LE50DP**: (Asymmetric)
- **LE50G**: (Wallwash)
- **LE50FW**: (Wallwash)
- **LE50FC**: (Wall-grazing)
- **LE50G**: (Wallwash)
- **LE50FW**: (Wallwash)

- **LR**: 54x75x1210mm 0-10V
- **LS**: 50mm
- **LE**: 50mm
- **LS**: 35mm 4400LM
- **LE**: 70x36x1229mm 0-10V
- **CRI**: 90 customizable
- **Typ. Power**: 2800LM
- **Certification**: UL/FCC/CE/CB 5 years
- **Warranty**: 5 years

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Professional optical design
The same product with multiple light distribution is available for different applications.

Multiple optical designs
Multiple light distributions optional, suitable for accent lighting and flood lighting in different applications.

- Diffuser
- Lighting upward & downward
- Anti-glare
- Grating
- Wall grazing
- Wallwash
High luminous efficiency, 130LM/W

- High luminous efficiency, 130LM/W: adopting dual color & co-extrusion technology, high improves the luminous efficiency of luminaire, up to 85%

Long life span, L80 proved

- Excellent heat dissipation design ensures ultra-long life span (L80/B10 = 50,000h)
- Suitable for LED lighting period of LED with the failure rate below 0.1%, ensures the luminaire high-quality and long lasting lighting

Anti-glare design

- Ultra anti-glare design keeps light out of the sight, brings you an "eye-friendly" lighting

Anti-glare cover (UGR<19)

Grating cover (UGR<13)

- Anti-glare film

Surface mounted

The luminaire can be fastened by the surface mounted buckle through easily rotation, with ultra-small gap

Recessed

With the butterfly clip, the luminaire can be installed without removal

Fast interconnection of the luminaire, save time and effort

- Multiple luminaires can be interconnected quickly without removal, convenient and reliable
The anti-glare luminaire adopts the fine microstructure anti-glare diffuser and precisely controlling the large-angle light, the uniform luminous rate and UGR<19 meet the DIN EN 12464-1: Requirements of 2011 Lighting Standards for the Office Design. The luminaire of diffuser adopts flood lighting design, with homogeneous luminous surface, and using high reflectivity material inner of the luminaire, highly improves the luminous efficiency of luminaire. The luminaire with flood lighting design is the best choice to provide efficient illumination in the public space.
Adopt ultra anti-glare design, shielding angle>30°, UGIR<13, provide "eye-friendly" lighting, suitable for video conference room. And there are multiple spotlight optics optional (10°/24°/36°/48°), can be applied for high-space lighting and accent lighting.
Wallwash luminaire adopts asymmetric optical design, with excellent light uniformity in the vertical lighting direction, suitable for metope lighting and shelf lighting, can be applied in museum, library, retail or reception area. Adopt the luminaire of wall-grazing, to create the continuous narrow blade with precision optics, and excellent performance to illuminate metope uniformly, it is the best tool for designers to highlight the wall material and texture.
Intelligent Control

The intelligent control of GLS series products is a lightweight intelligent lighting solution based on BLE Mesh Bluetooth wireless ad hoc networking scheme. This series of products can directly connect to mobile devices with Bluetooth function. It can also be connected with PC terminal and many kinds of third party systems through gateway. The product is easy to install and set up, and can be connected to intelligent Internet of Things quickly.
COLORS has a powerful accessory system to provide users with perfect lighting solutions, so that users have no worries about the future. The self-developed power supply & controller, together with the main lighting products, creates perfect service experience for users.

Components

Power Supply
COLORS self-developed power supply can match with linear lighting system perfectly through the ultra thin, ultra slim and linear & narrow design. And it includes DALI dimming, 3-in-1 dimming and non dimming, suitable for different applications.

Controller
COLORS self-developed controller, exquisite and beautiful, compatible with furniture lighting perfectly. Touching mode and sensor mode optional, and can realize switch on/off and dimming.
### LED Linear DALI Dimming Power Supply

<table>
<thead>
<tr>
<th>Model</th>
<th>Input Voltage</th>
<th>Input Current</th>
<th>Output Voltage</th>
<th>Output Current</th>
<th>Output Power</th>
<th>Power Factor</th>
<th>Power Efficiency</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>BDD-V24-030S</td>
<td>100-277VAC 50/60Hz</td>
<td>0.38A Max</td>
<td>24VDC</td>
<td>1.25A Max</td>
<td>30W</td>
<td>&gt;0.95</td>
<td>83%</td>
<td>377 x 21 x 19.5mm</td>
</tr>
<tr>
<td>BDD-V24-065S</td>
<td>100-277VAC 50/60Hz</td>
<td>0.8A Max</td>
<td>24VDC</td>
<td>2.7A Max</td>
<td>65W</td>
<td>&gt;0.95</td>
<td>88%</td>
<td>346 x 30 x 23.5mm</td>
</tr>
<tr>
<td>BDD-V24-100S</td>
<td>100-277VAC 50/60Hz</td>
<td>1.15A Max</td>
<td>24VDC</td>
<td>4.2A Max</td>
<td>100W</td>
<td>&gt;0.95</td>
<td>90%</td>
<td>373 x 29 x 27mm</td>
</tr>
</tbody>
</table>

### LED Linear 3-in-1 Dimming Power Supply

<table>
<thead>
<tr>
<th>Model</th>
<th>Input Voltage</th>
<th>Input Current</th>
<th>Output Voltage</th>
<th>Output Current</th>
<th>Output Power</th>
<th>Power Factor</th>
<th>Power Efficiency</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSD-V24-030S</td>
<td>100-277VAC 50/60Hz</td>
<td>0.38A Max</td>
<td>24VDC</td>
<td>1.25A Max</td>
<td>30W</td>
<td>&gt;0.95</td>
<td>83%</td>
<td>377 x 21 x 19.5mm</td>
</tr>
<tr>
<td>BSD-V24-065S</td>
<td>100-277VAC 50/60Hz</td>
<td>0.8A Max</td>
<td>24VDC</td>
<td>2.7A Max</td>
<td>65W</td>
<td>&gt;0.95</td>
<td>88%</td>
<td>346 x 30 x 23.5mm</td>
</tr>
<tr>
<td>BSD-V24-100S</td>
<td>100-277VAC 50/60Hz</td>
<td>1.15A Max</td>
<td>24VDC</td>
<td>4.2A Max</td>
<td>100W</td>
<td>&gt;0.95</td>
<td>90%</td>
<td>373 x 29 x 27mm</td>
</tr>
</tbody>
</table>

### LED Linear Power Supply

<table>
<thead>
<tr>
<th>Model</th>
<th>Input Voltage</th>
<th>Input Current</th>
<th>Output Voltage</th>
<th>Output Current</th>
<th>Output Power</th>
<th>Power Factor</th>
<th>Power Efficiency</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>BH-V24-060P</td>
<td>220-240VAC</td>
<td>0.46A Max</td>
<td>24VDC</td>
<td>2.5A Max</td>
<td>60W</td>
<td>&gt;0.9</td>
<td>87%</td>
<td>325 x 30 x 17mm</td>
</tr>
<tr>
<td>BV-V24-100P</td>
<td>220-240VAC</td>
<td>0.78A Max</td>
<td>24VDC</td>
<td>4.17A Max</td>
<td>100W</td>
<td>&gt;0.9</td>
<td>87%</td>
<td>320 x 30 x 18.3mm</td>
</tr>
</tbody>
</table>

**Power supply**

COLORS self-developed power supply can match with linear lighting, it adopts linear & narrow design, smaller size, perfectly matched with linear lighting system. The power supply can not only be placed at the inner of profile but also the exterior of profile. And it includes DALI dimming, 3-in-1 dimming and non dimming.
Controller

COLORS self-developed controller, exquisite and beautiful. Touching mode and sensor mode optional, and can realize the dimming mode of sunrise and sunset. Double-channel design, compatible with various toning LED strip perfectly.

### Sensor

<table>
<thead>
<tr>
<th>Model</th>
<th>Size</th>
<th>Input Voltage</th>
<th>Load power</th>
<th>Sealing Temperature</th>
<th>Detecting Distance</th>
</tr>
</thead>
<tbody>
<tr>
<td>CM1-RID-A1</td>
<td>62.5 𝘹 16 𝘹 13mm</td>
<td>12V-24V</td>
<td>30W(12V) 60W(24V)</td>
<td>-20℃~+40℃</td>
<td>5~8cm</td>
</tr>
<tr>
<td>CM1-RID-B1</td>
<td>64.5 𝘹 16 𝘹 13mm</td>
<td>12V-24V</td>
<td>30W(12V) 60W(24V)</td>
<td>-20℃~+40℃</td>
<td>5~8cm</td>
</tr>
</tbody>
</table>

### Touch Dimmer

<table>
<thead>
<tr>
<th>Model</th>
<th>Size</th>
<th>Input Voltage</th>
<th>Load power</th>
<th>Sealing Temperature</th>
<th>Detecting Distance</th>
</tr>
</thead>
<tbody>
<tr>
<td>CM2-CTD-A1</td>
<td>62.5 𝘹 16 𝘹 13mm</td>
<td>12V-24V</td>
<td>30W(12V) 60W(24V)</td>
<td>-20℃~+40℃</td>
<td></td>
</tr>
<tr>
<td>CM2-CTD-B1</td>
<td>64.5 𝘹 16 𝘹 13mm</td>
<td>12V-24V</td>
<td>30W(12V) 60W(24V)</td>
<td>-20℃~+40℃</td>
<td></td>
</tr>
</tbody>
</table>
Global Projects

The COLORS products have spread all over the world, so you can find the COLORS applications whether it’s office space, commercial space or hotel space, residential space. Good products combined with good ideas and innovative & special application, bring us multiple visual feasts about lighting.
Office space

CAC - Beijing·China
KLID DAGUNA Design Studio - Shanghai·China
LEGO (China) Head office - Shanghai·China
Henkel (Shanghai) Head office - Shanghai·China
Headquarters Adidas Latam - Chile
MEACHEAL Head office - Beijing·China
FOUNTOWN office - Shanghai·China

Shenzhen · China
South University of Science and Technology of China
National Chiao Tung University - Tainan, Taiwan
Oficinas Empresa Nacional Del Petroleo - Chile
Oficinas Angloamerican - Chile
Mitsubishi Motors - Israel

Australia
Monash University - Melbourne

Taiwan
Oficinas Empresa Nacional Del Petroleo - Chile
Oficinas Angloamerican - Chile
MassMutual Building - Taichung, Taiwan
National Chiao Tung University - Tainan, Taiwan
Office Building - Taichung, Taiwan

United Arab Emirates
Office Building - Dubai, United Arab Emirates

Malaysia
Monash University - Melbourne

Chile
South University of Science and Technology of China
National Chiao Tung University - Tainan, Taiwan
Oficinas Empresa Nacional Del Petroleo - Chile
Oficinas Angloamerican - Chile
Mitsubishi Motors - Israel

Office Building - Israel

Africa
MassMutual Building - Taichung, Taiwan
Office Building - Dubai, United Arab Emirates
Office Building - Taichung, Taiwan

United States
Monash University - Melbourne
Commercial space

ZARA store - Spain
Top shop - Melbourne, Australia
Garment trade exhibition center - Dubai, United Arab Emirates
Convention & Exhibition Center - Shanghai, China
Central Plaza - Bangkok, Thailand
CASINO SUN MONTICELLO - Chile
Cheuyue Sports Car - Taiwan, China
Medical Beauty Office Center - Taipei, Taiwan
Supflt Health Club - Beijing, China
Chuanshi Astu - Beijing, China
Suguo Supermarket - Jiangsu, China
The Israel Grand Theater - Israel
Xuewen Foundation - Taipei, Taiwan
Game center - Sydney, Australia

Clothing store Club - United Arab Emirates
Automobile modification store - Taipei, Taiwan
99 Ranch Market - Jakarta, Indonesia
Coffee shop - Taichung, Taipei
Hotel space

CitiGo HOTEL - Shanghai·China
Holiday Inn Express Shanghai Songjiang Fangta - Shanghai·China
Aini Water Bay Resort - Xiamen·China
Lancaster Hotel - Bangkok, Thailand
Beveren Hotel - Belgium
Luxury Hotel - Europe
Home Space

- High-end residential - Israel
- Natalie Orlev CyberHat - Israel
- Seniors apartment - Belgium
- High-end Apartment - Belgium
- High-end Apartment - Causing Taiwan
- Residential - Chungli Taiwan
Others

TOYOTA store - Jakarta Indonesia
AKR GALLERY WEST - Jakarta Indonesia