DDWdisplay

LED VIDEO LIGHT BAR

Facade LED Lighting &Display Solution

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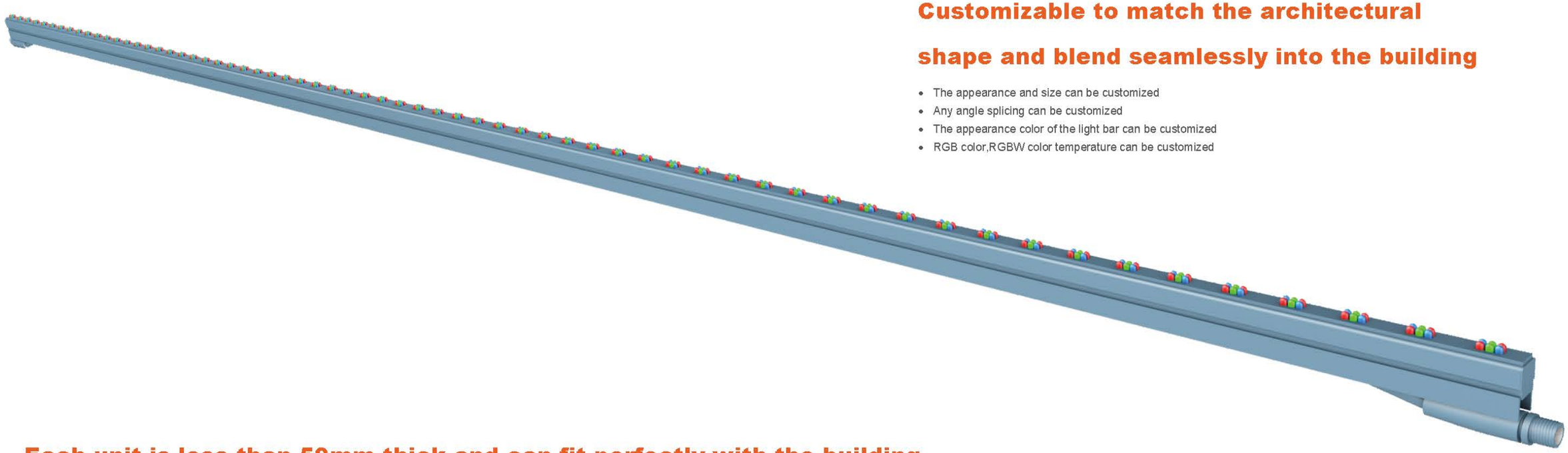
FACADE LED LIGHTING DISPLAY SOIUTION

LED Video Light Bar



Customizable to match the architectural shape and blend seamlessly into the building

- The appearance and size can be customized
- Any angle splicing can be customized
- The appearance color of the light bar can be customized
- RGB color,RGBW color temperature can be customized

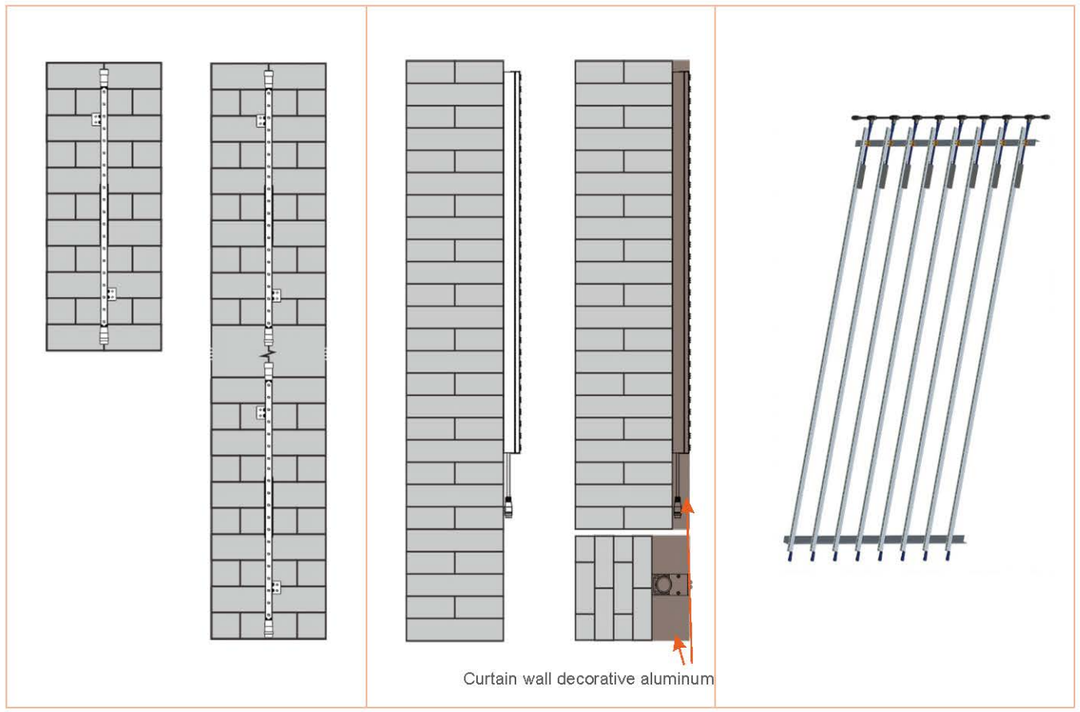
Each unit is less than 59mm thick and can fit perfectly with the building

- Lightweight design, easy installation
- Ultra-light weight, minimum weight 0.55kg
- Multi purpose, suitable for various application scenarios

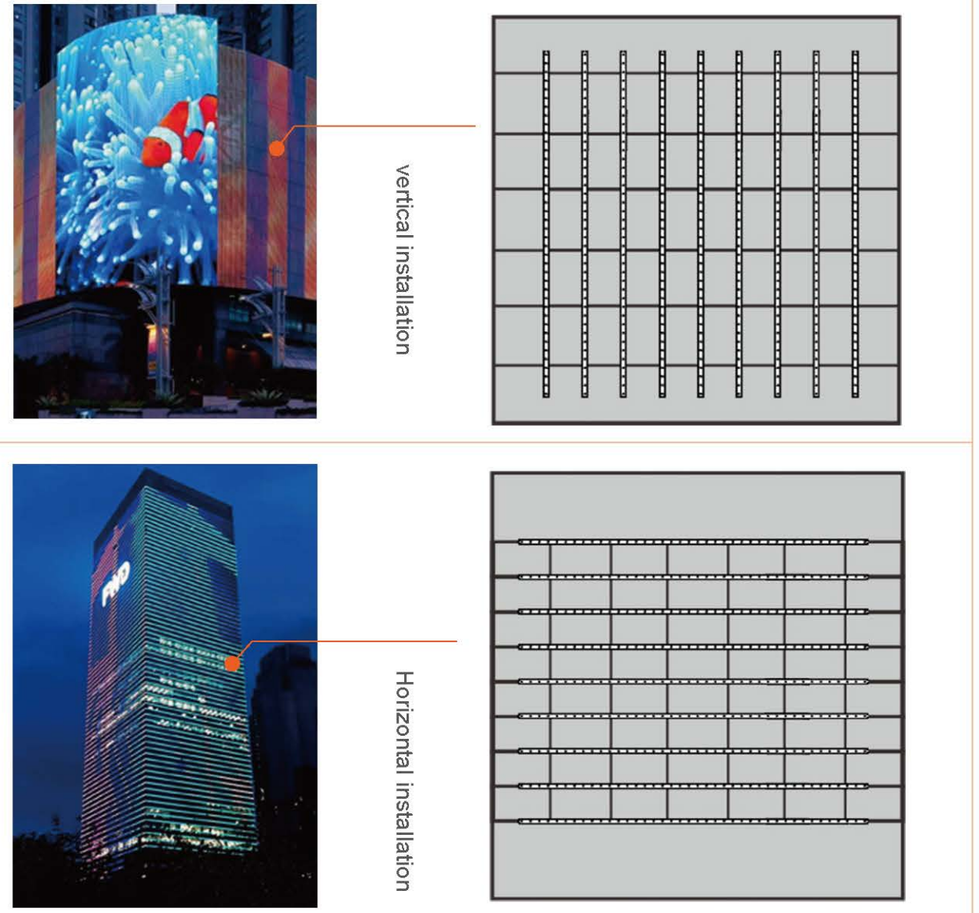
FACADE LED LIGHTING DISPLAY SOIUTION

Flexible installation · Suitable for installation inside and outside various types of buildings

Adopt various aluminum forming technologies to cater to various usage scenarios



- Can be installed as a single line / can be installed in series with multiple lines
- Surface mountable / flush mountable
- Multiple strips can be assembled into a frame installation



FACADE LED LIGHTING DISPLAY SOIUTION

High definition display

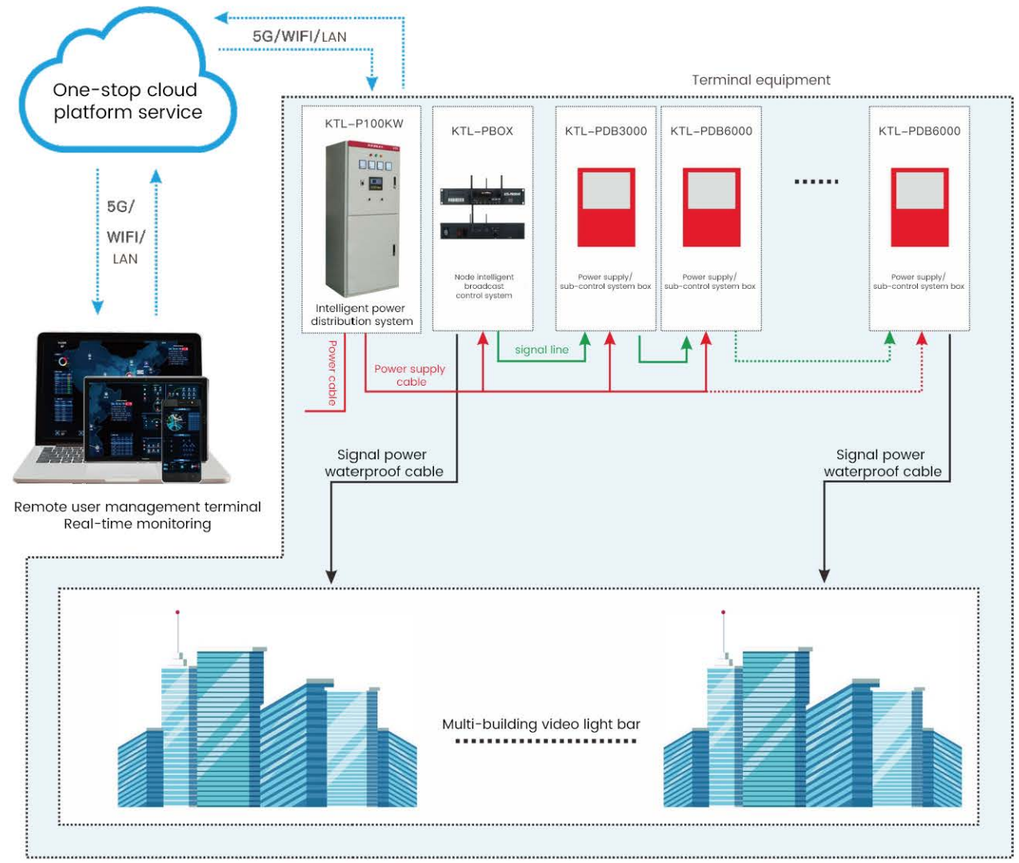
Landmark buildings can also be displayed in high definition

- Using point-to-point display control to easily break through 4K UHD ultra-high resolution
- Using true 16-bit LED constant current driver IC with grays cale level up to 65536 levels of high-quality display effect

Smart joint control

Intelligent joint control, adaptable to various types of buildings

Adopt cloud-based remote intelligent integrated control, which is safe and convenient. It can be decentralized or centralized to facilitate the comprehensive management of urban lighting.



The power supply adopts 48VDC, which is twice as long as the traditional 24VDC power supply. The signal adopts differential overall mode, which can be transmitted over a long distance of more than 60M. The ultra-long signal and power transmission greatly reduces the difficulty of streamlined installation and saves construction costs.

FACADE LED LIGHTING DISPLAY SOIUTION

Traditional lighting VS Video lighting

Control method

Control method based on DMX512 - - - - - - - - - - - - SPI control method based on DVI video output

Data transfer rate

250 K - - - - - - - - - - - - 10 M

Frame rate

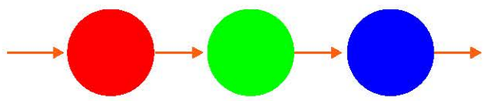
25Hz - - - - - - - - - - - - 60Hz

Signal transmission distance

Standard 512 communication, each channel controls RGB 170 points. - - - - - - - - - - - - Single SPI signal controls RGB 1024 points using 2-level transmission control technology, with a transmission distance of up to 3840 points and signal loop backup function

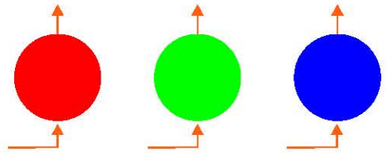
Traditional lighting VS Video lighting

Traditional lighting

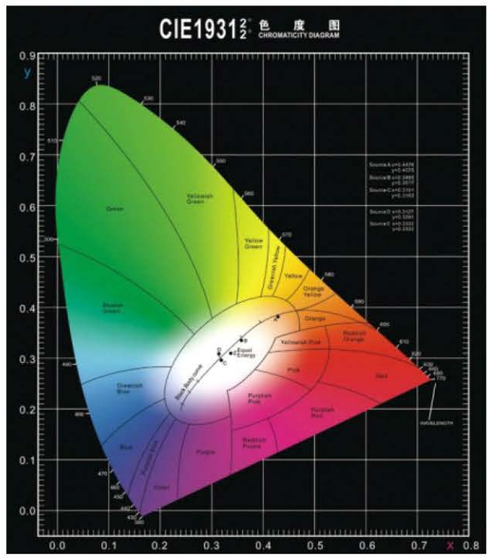


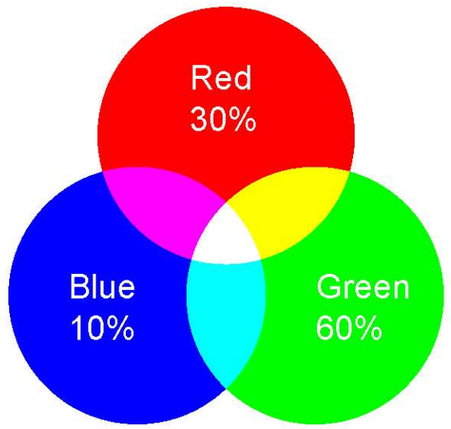
Without color matching, only the original color of the LED can be displayed.

Video lighting



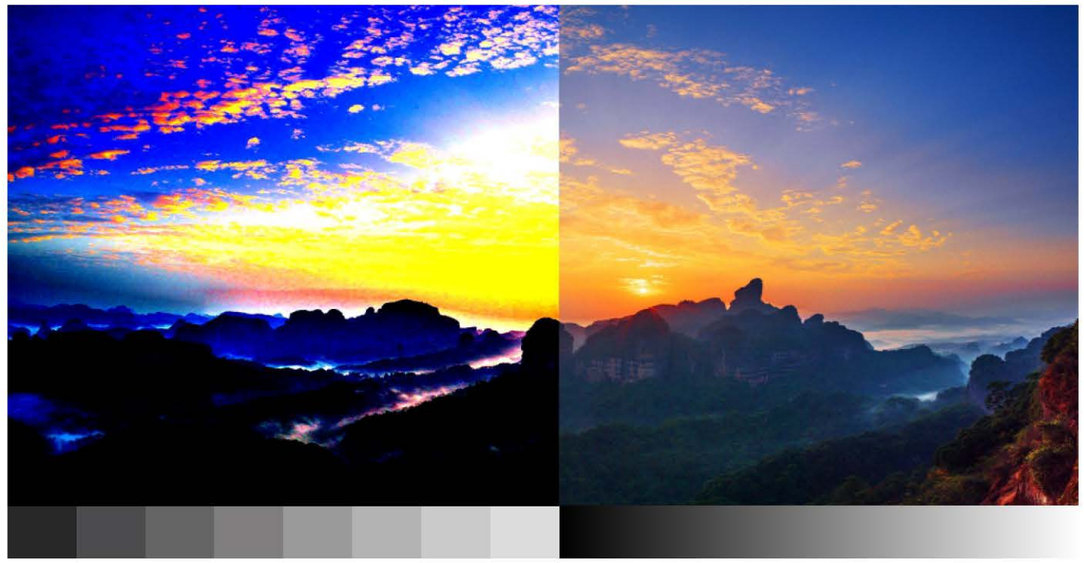
Color matching can be done through hardware and software, and even single-point brightness and chromaticity correction can be performed.





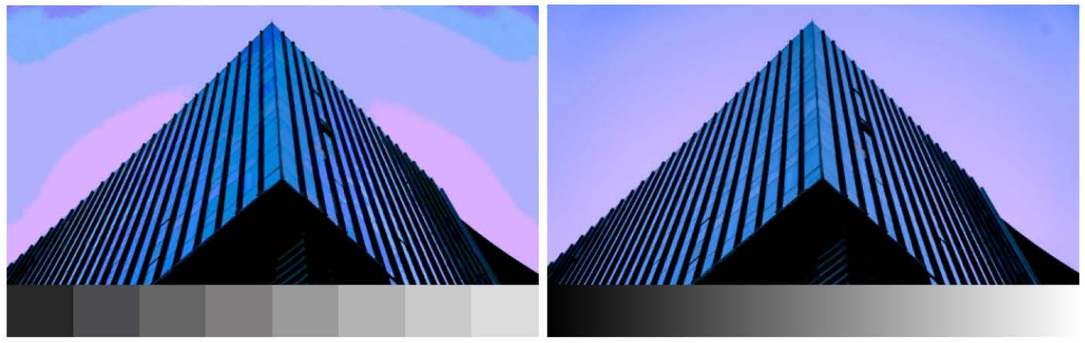
FACADE LED LIGHTING DISPLAY SOIUTION

Traditional lighting VS Video lighting



8bit: 256 levels

16bit: 65536 levels



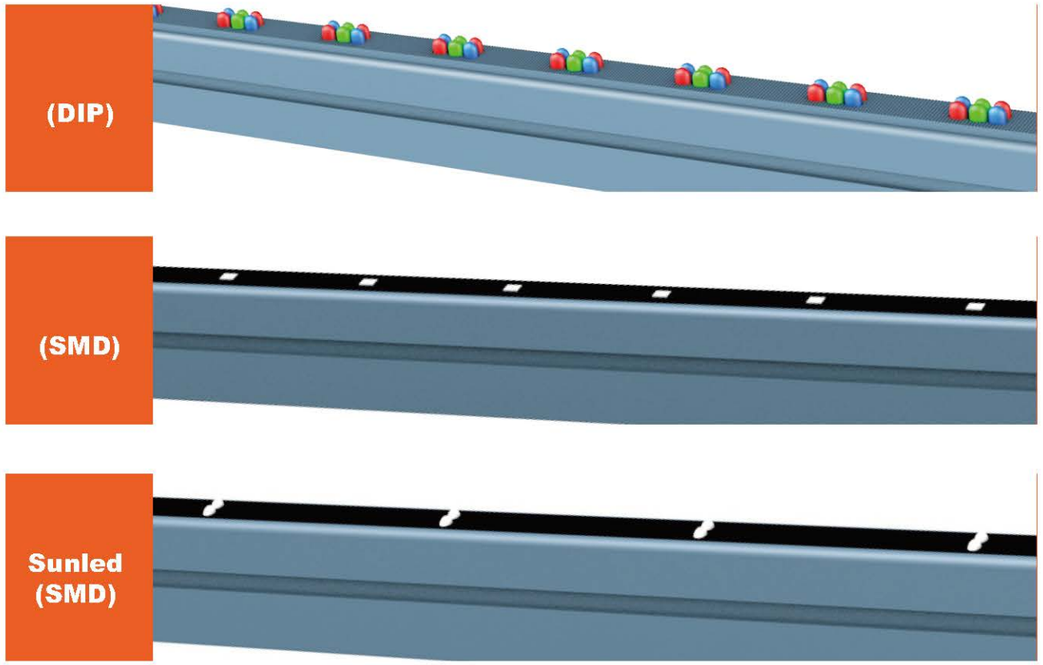
8bit: 256 levels

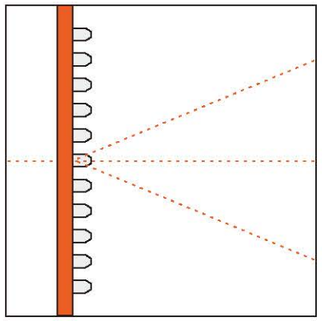
16bit: 65536 levels

Large-scale situational performance art lighting installation

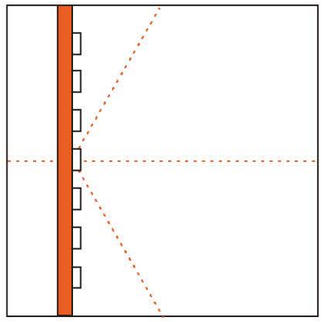
architectural multimedia landscape

FACADE LED LIGHTING DISPLAY SOIUTION

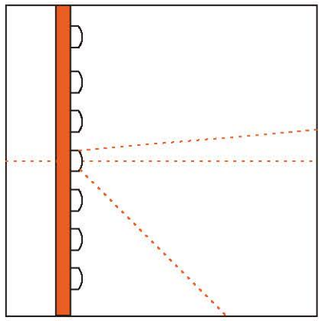




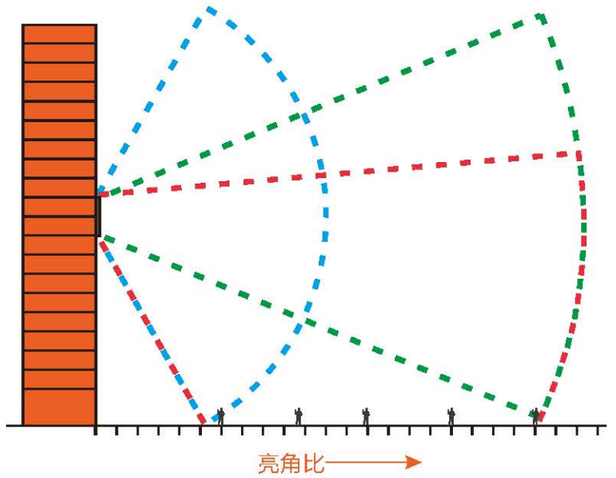
Lighting angle of traditional pin lamp



Lighting Angle of Traditional SMD Lights



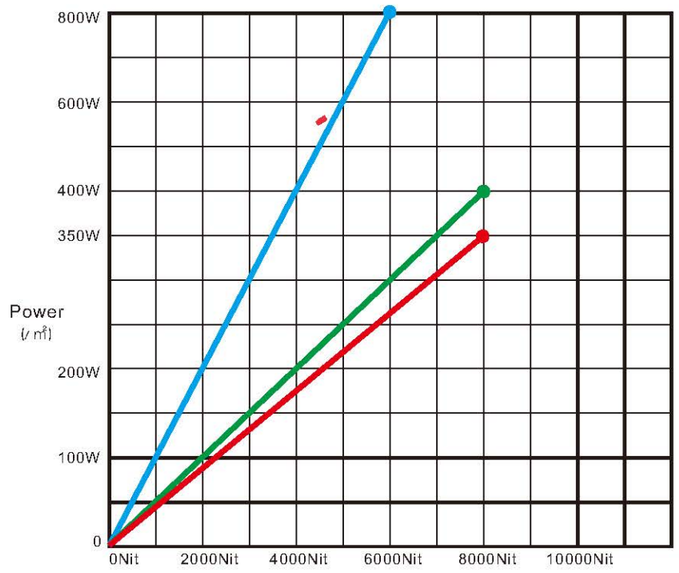
Ice sun patch light emitting angle



Brightness angle ratio of traditional SMD lamps (larger luminous angle, lower brightness)

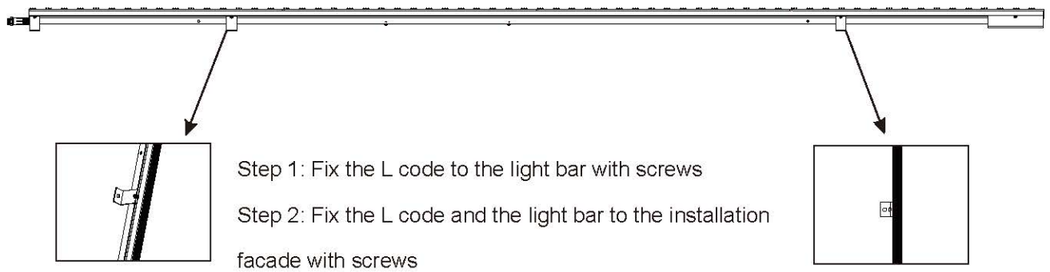
Brightness angle ratio of traditional pin lamps (small luminous angle, high brightness)

Ice Sun SMD Light Brightness Angle Ratio (Combines the advantages of traditional SMD lights with large angles and high brightness of pin lights)



FACADE LED LIGHTING DISPLAY SOIUTION

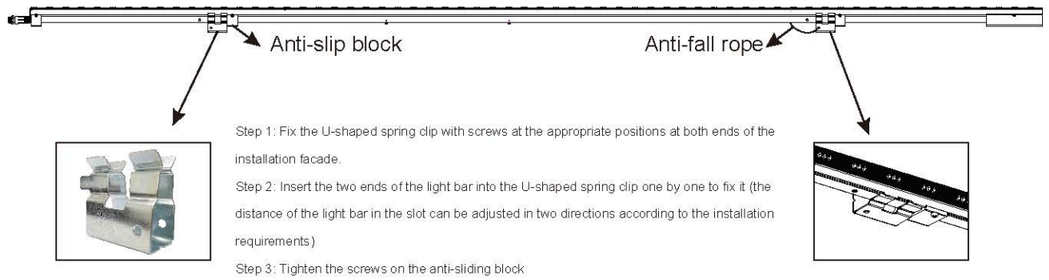
Installation method ① (standard L code)



Step 1: Fix the L code to the light bar with screws

Step 2: Fix the L code and the light bar to the installation facade with screws

Installation method ② (U-shaped spring clip optional)



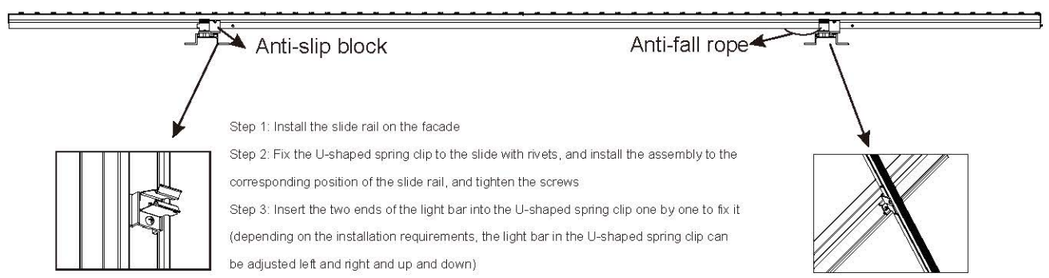
Step 1: Fix the U-shaped spring clip with screws at the appropriate positions at both ends of the installation facade.

Step 2: Insert the two ends of the light bar into the U-shaped spring clip one by one to fix it (the distance of the light bar in the slot can be adjusted in two directions according to the installation requirements)

Step 3: Tighten the screws on the anti-sliding block

Step 4: Hang the anti-fall rope on the light bar into the fixing hole of the U-shaped spring clip

Installation method ③ (optional U-shaped spring + guide rail + slide)

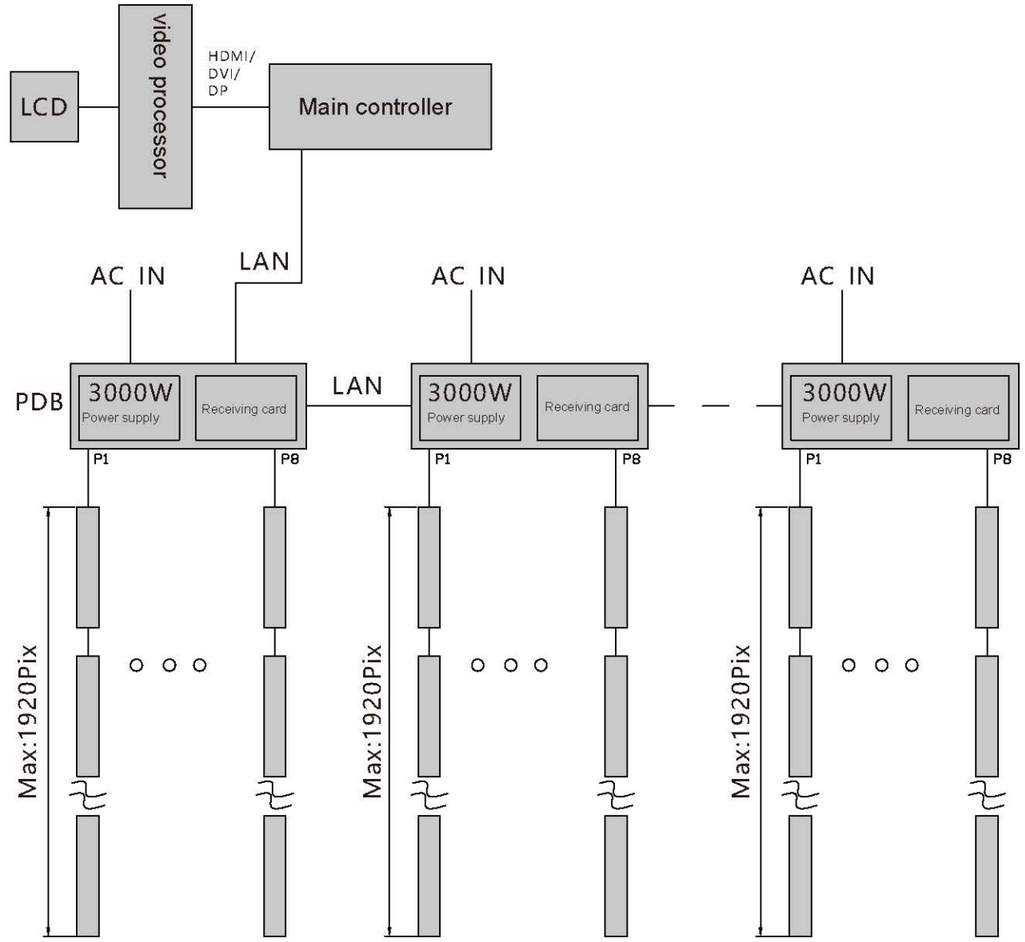


Step 1: Install the slide rail on the facade

Step 2: Fix the U-shaped spring clip to the slide with rivets, and install the assembly to the corresponding position of the slide rail, and tighten the screws

Step 3: Insert the two ends of the light bar into the U-shaped spring clip one by one to fix it (depending on the installation requirements, the light bar in the U-shaped spring clip can be adjusted left and right and up and down)

Step 4: Hang the anti-fall rope on the light bar into the fixing hole of the U-shaped spring clip

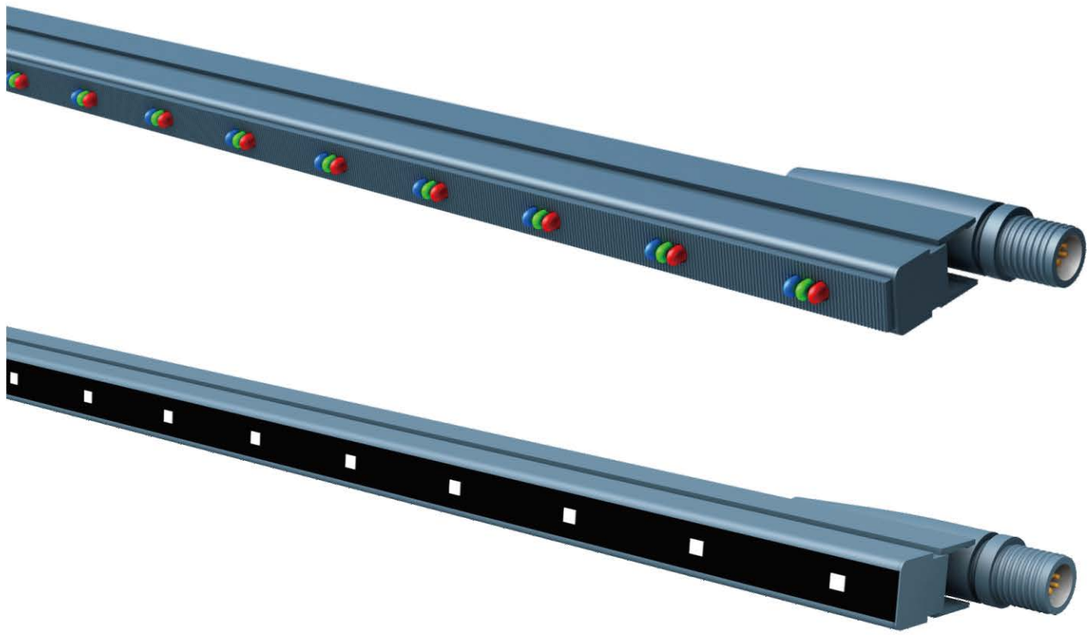


PDB data power box
Input voltage: 100-240V AC
Output voltage: DC48V
Output power: 3000W

Output: 8 ports Data & DC48V
Load capacity: 1920 * 8 points (60Hz)
Power signal line: 2-core power line + 3-core signal line Protection level: IP65

FACADE LED LIGHTING DISPLAY SOIUTION

DDW-VLB-A
DDW-VLB-B

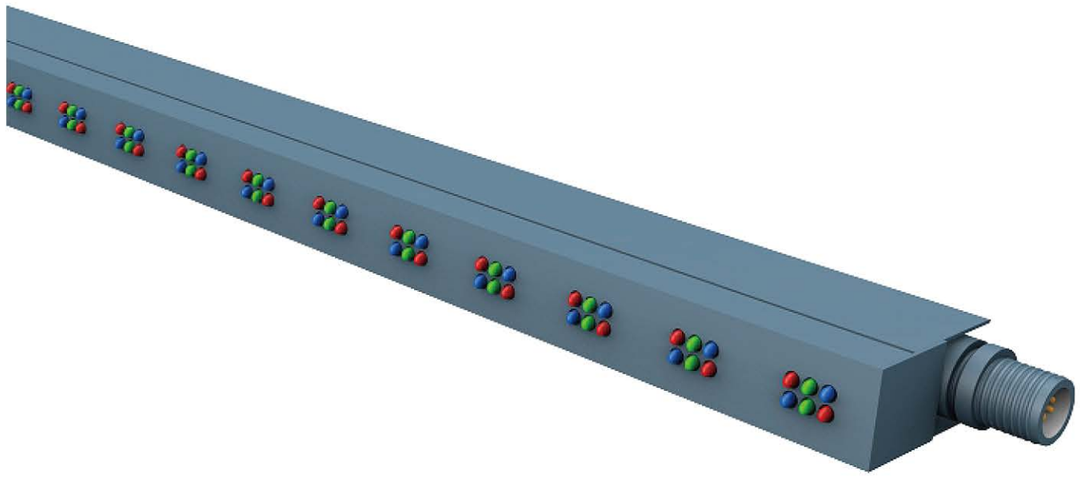


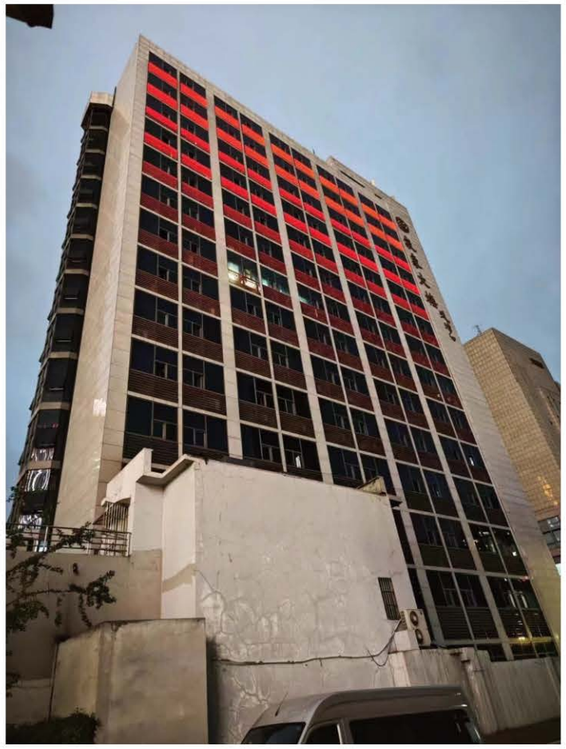
Specification parameters

Model	Lamp bead type	Light distance	Size	Protection level	Input voltage	Maximum power consumption	Brightness
DDW VLB-A	DIP	31mm	13(W)×33.7(H)mm (L customized)	IP67	DC48V	9W/M	6CD/DOT
	SMD	31mm	13(W)×33.7(H)mm (L customized)	IP67	DC48V	9W/M	3CD/DOT
	Sunled SMD	31mm	13(W)×33.7(H)mm (L customized)	IP67	DC48V	9W/M	6CD/DOT
DDW VLB-B	DIP	31mm	15(W)×33.7(H)mm (L customized)	IP67	DC48V	14W/M	12CD/DOT
	SMD	31mm	15(W)×33.7(H)mm (L customized)	IP67	DC48V	14W/M	6CD/DOT
	Sunled SMD	31mm	15(W)×33.7(H)mm (L customized)	IP67	DC48V	14W/M	12CD/DOT

- The appearance size and color of the light strip can be customized, and the distance between the light beads can be customized and adjusted (the corresponding parameters will be changed)

DDW-VLB-C





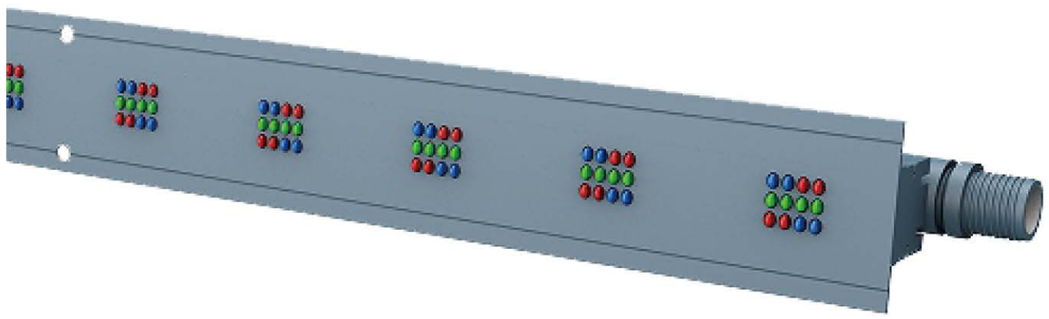
Specification parameters

Model	Lamp bead type	Light distance	Size	Protection level	Input voltage	Maximum power consumption	Brightness
DDW-VLB-C	DIP	31mm	25(W)×47(H)mm (L customized)	IP67	DC48V	15W/M	12CD/DOT
	SMD	31mm	25(W)×47(H)mm (L customized)	IP67	DC48V	20W/M	4CD/DOT
	Sunled (SMD)	31mm	25(W)×47(H)mm (L customized)	IP67	DC48V	15W/M	12CD/DOT

- The appearance size and color of the light strip can be customized, and the distance between the light beads can be customized and adjusted (the corresponding parameters will be changed)

FACADE LED LIGHTING DISPLAY SOIUTION

DDW-VLB-D



Specification parameters

Model	Lamp bead type	Light distance	Size	Protection level	Input voltage	Maximum power consumption	Brightness
DDW-VLB-D	DIP	50mm	Customized	IP67	DC48V	27W/M	24CD/DOT

- The appearance size and color of the light strip can be customized, and the distance between the light beads can be customized and adjusted (the corresponding parameters will be changed)

FACADE LED LIGHTING DISPLAY SOIUTION

Application cases

Xuzhou, China

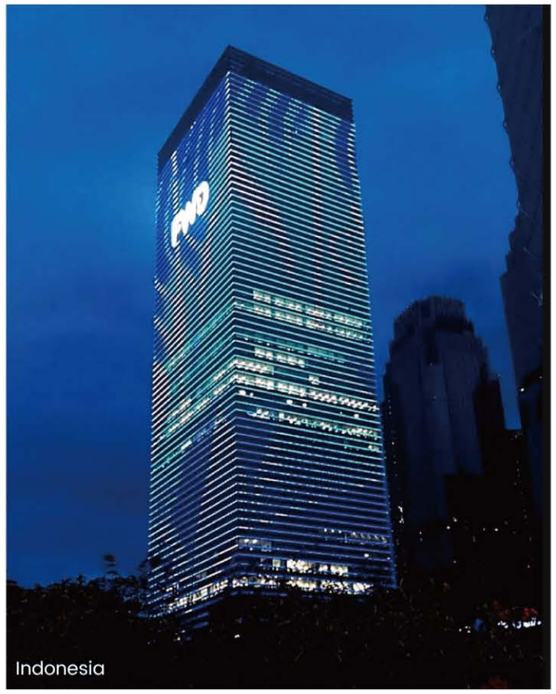
Indonesia

Xuzhou, China

Xuzhou, China

FACADE LED LIGHTING DISPLAY SOIUTION

Application cases



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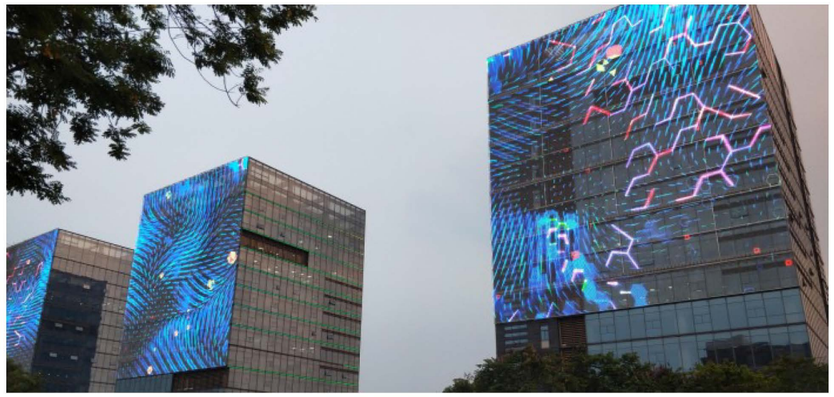
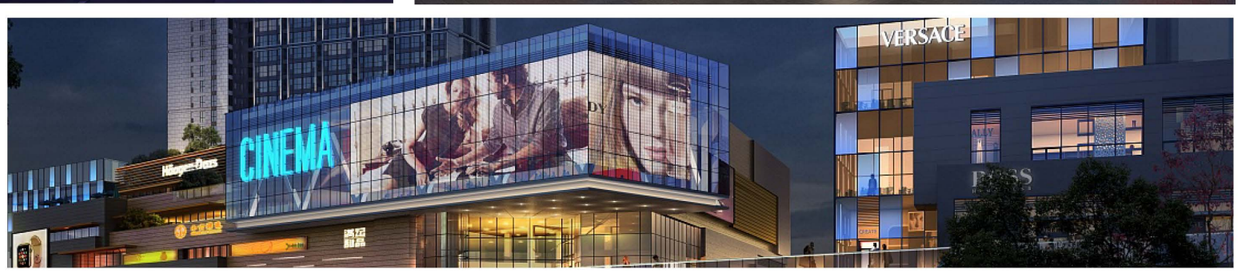
Application cases





FACADE LED LIGHTING DISPLAY SOIUTION

PARTNERS

Win win cooperation

China South City 華南城

大发地产 DFL DAFA LAND

PCCW 電訊盈科

中国建设银行 China Construction Bank

LAI SUN GROUP 麗新集團

恒隆地產 HANG LUNG PROPERTIES

PHILIPS

NOVASTAR

CHOGORI 乔合里

厦门信达 XINDECO XIAMEN XINDECO

国星光电 NATIONSTAR

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PACIFIC PLACE JAKARTA

MBI MEADIN BRAND INDEX

StandardVision

Google 谷歌

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