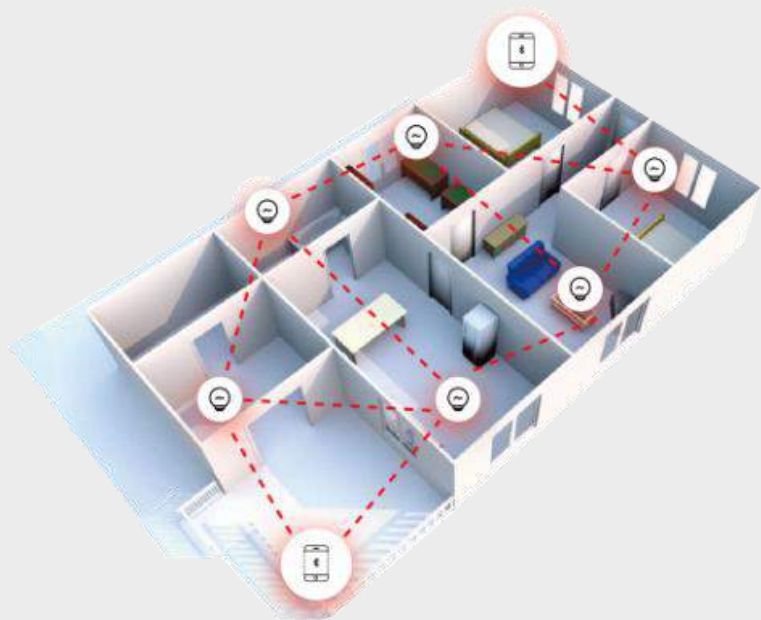# LED Lighting Smart Control System

Patent Pending

Blueview Elec-optic Tech Co.,LTD

Blueview LED Lighting Smart Control System

To meet the personalized and freewheeling needs of controlling lighting appliance, Blueview develop this system on the base of the newest technology launched by bluetooth association recently. This system is an integrated smart lighting system, controlling Blueview display light appliance through BL-CV4 controller by multiple ways.

Applications

Shelf in Supermarket

Display case in Mall
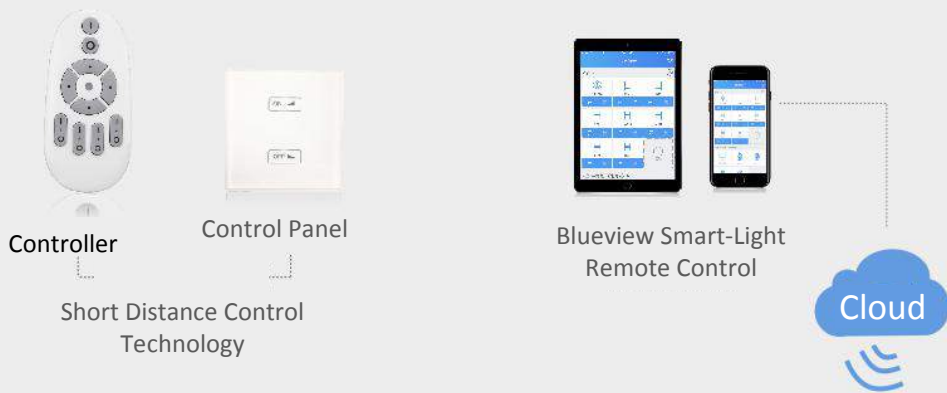

Office Lighting

Entertainment Venue Lighting

House Lighting

System Structure

LED Lighting Smart Control System

Blueview

Control Center

Controller

Control Panel

Blueview Smart-Light
Remote Control

Cloud

Short Distance Control
Technology

Signal Convert

Gateway

Front-end control devices

BV-CV4 Self- Grouping Devices

+··· BV-CV4

Shelf 1   Shelf 2   Lighting 1   Lighting 2   Lighting 3

![Blueview 蓝景®]

LED Light Smart Control System---
Short Distance Control

No need to setup, control
immediately once power is on

Short distance control

近程控制

Self-grouping Devices

蓝牙自组网控制节点

bluetooth

蓝牙

Remote Controller

遥控器

Control Panel

面板

LED Light Smart Control System--- remote control freewheeling, get rid of space restriction

Remote distance control

4G/WIFI

远程控制

Cloud

云平台

Internet

Gateway

Bluetooth

蓝牙

网络网关

Self-grouping devices

蓝牙自组网控制节点

Phone

IPAD

Blueview Smart Lighting APP
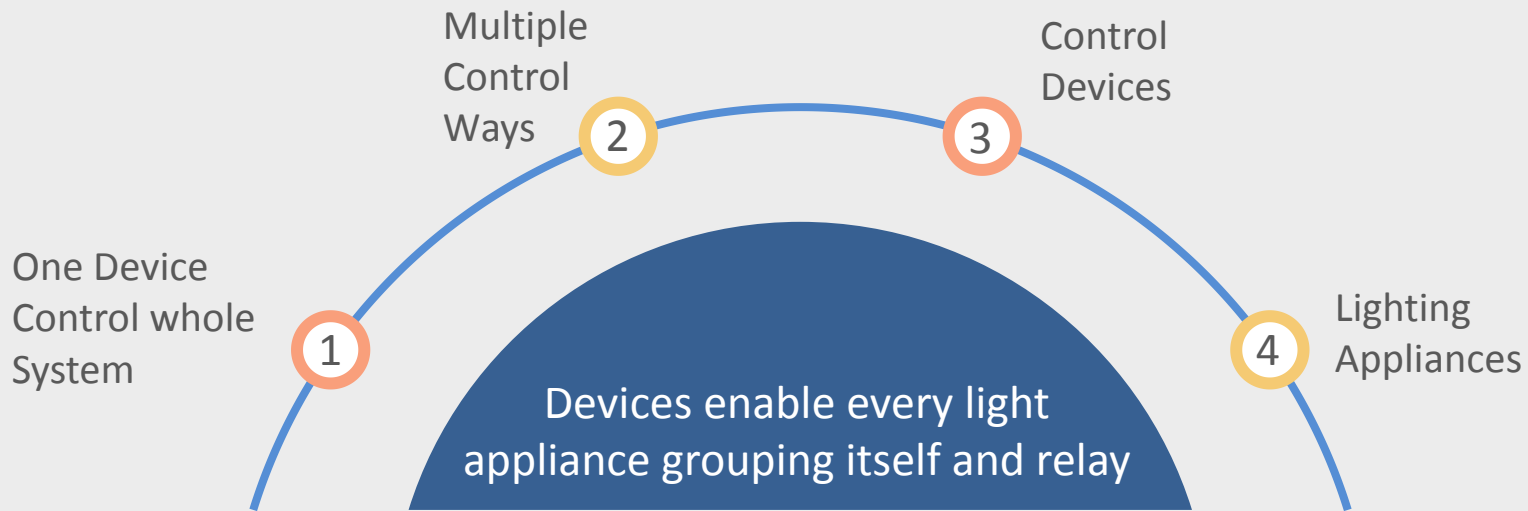
手机端

IPAD端

APP(蓝景智光)

Connection Diagram

BV-CV4 devices Max Connection in one system ≤65535 pcs
BV-CV4 devices Max connection in one grouop ≤255 pcs
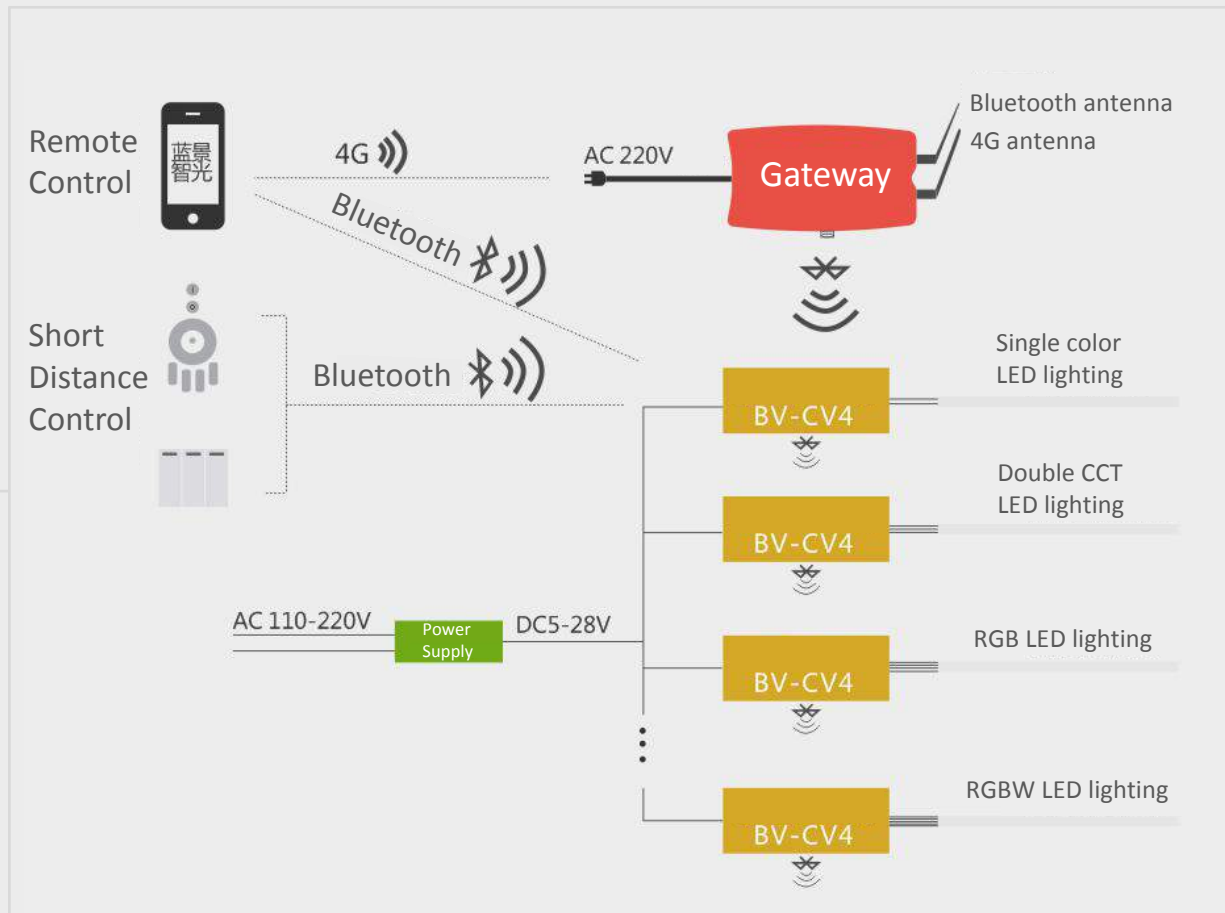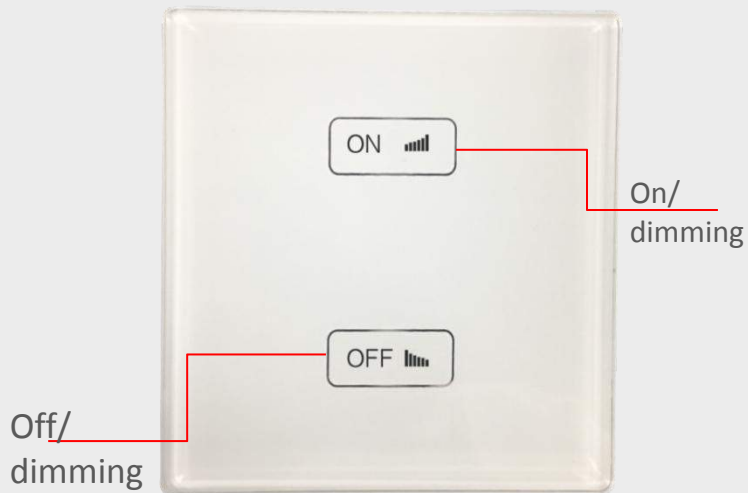
System Devices

LED Lighting Smart Control System

① **Remote Controller**

- Directly control BV-CV4
- Can divided into 4 groups
- Dimmable and CCT controllable in groups
- Can join or quit the set-up group

![Blueview 蓝景® logo]

ON ⏽⏽⏽

OFF ⏽⏽⏽

On/
dimming

Off/
dimming

② **Panel Control**

- Can control directly of BV-CV4
- No wire, free location
- Dimmable and CCT controllable in groups
- Can join or quit the set-up group

③ BV-CV4 Self-grouping Devices

- BV-CV4 is based on latest technology launched by Bluetooth association recently. Working with supporting APP, control Blueviews' LED lighting through Bluetooth.
- BV-CV4 can control single color ,double CCT,RGB&RGBW constant voltage LED lighting.
- 5-28V input, 5 output ports for the above 4 different kinds of LED lighting, total rated power is up to 250w.
- Max connection numbers in one system is 65535pcs, Max connection numbers in one group is 255pcs.
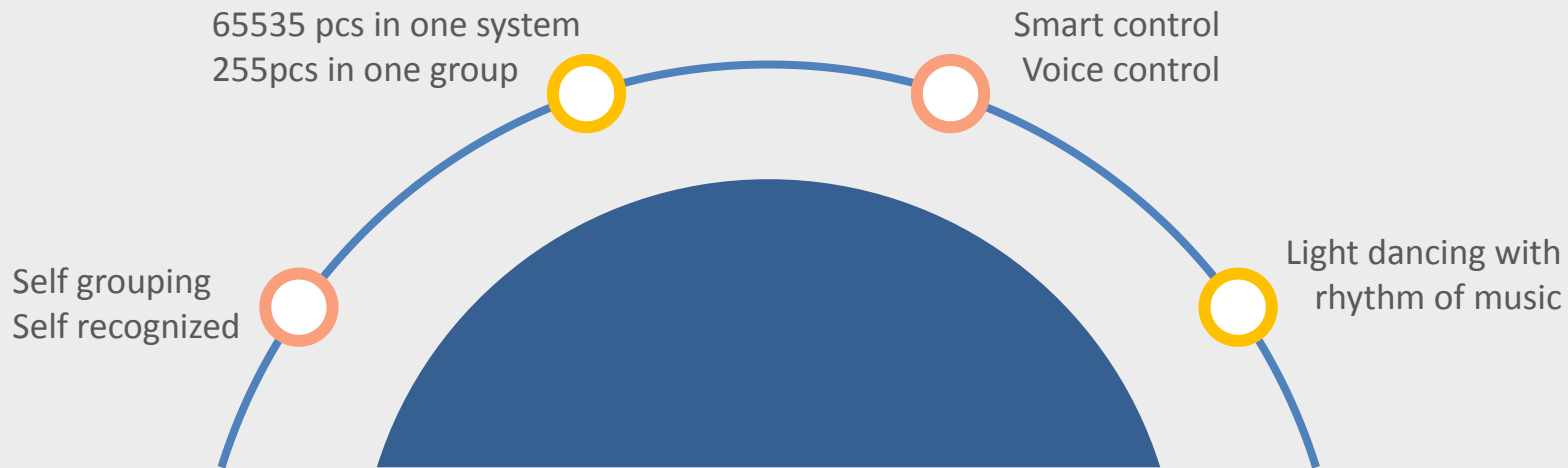
④ Gateway

- Residential electricity
- IP67 waterproof
- 4G IoT card. No need internet
- Can be replaced by router

System APP

LED Lighting Smart Control System

65535 pcs in one system
255pcs in one group

Smart control
Voice control

Self grouping
Self recognized

Light dancing with
rhythm of music

蓝景
Blueview

Blueview

**Scan the QR Code,
Download Blueview
Smart Lighting APP**

**APP
Homepage**

| A/C setup | Group name | Shelf image | Shelf name | Shelf rename |

10 Dimming Modes

Integral dimming
No need to set up, it can control all lights. The lights can group by themselves.

Breathing mode
Including: rainbow breathing, heart beat, green breathing, blue breathing, alert, twinkling, RGB color breathing, green mood, sunset . etc

Music
Light color will be changed with the rhythm of music.

Children Game
This game mode has 8 colors, when children choose the picture, the light will change to the color of picture, and it has voice interaction.

Day&night mode
This mode has day and night two modes, you can set up the light according to the lighting hours.

Voice control
This mode is working under internet, 4G or Wifi; Strong voice analysis function enables accurate control of lights in the whole system.

Color dip
Light color will change to the color through your mobile camera under this mode.

Shake
This mode has two effects, one is dancing, lights will change according to the dance, the other is color can change when shaking the mobile.

Shooting game
In this game, every cannonball is one color, light color will change according to the ball color when you shoot the ball.
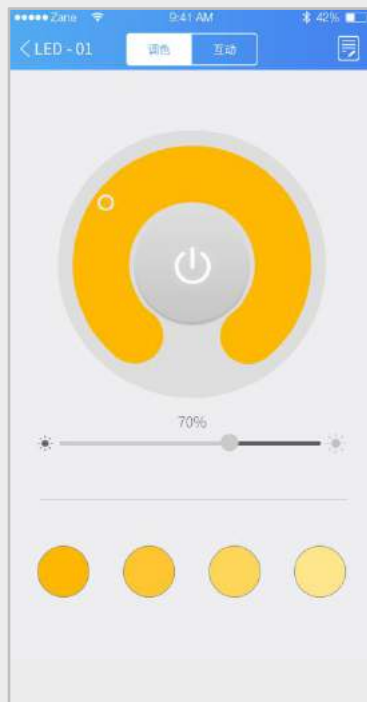
Timing
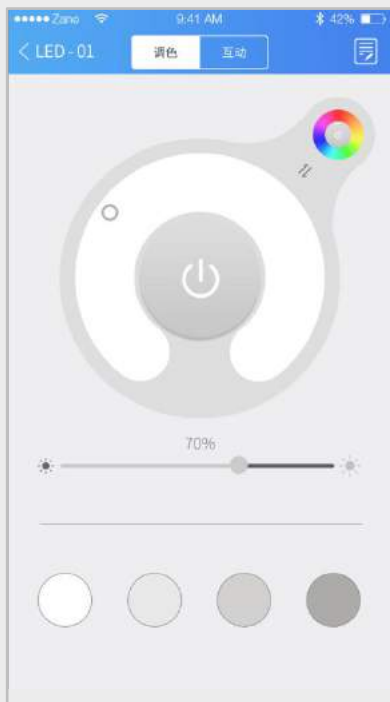Set up the light time in this mode.
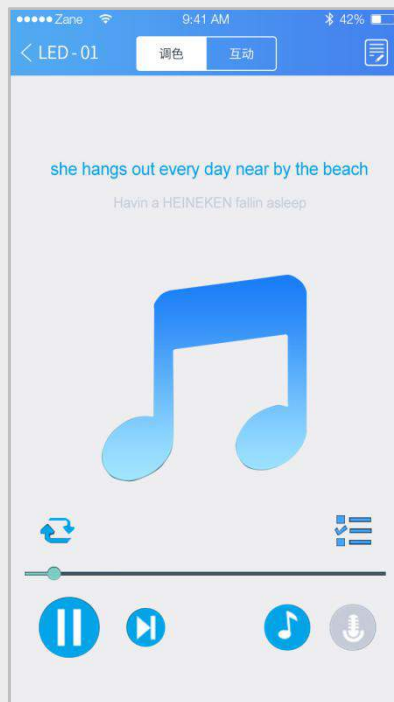
Single color
Dimming

Double CCT
Dimming

RGB
Dimming

蓝景

Blueview

Switch in dimming

Interaction mode

Light dancing
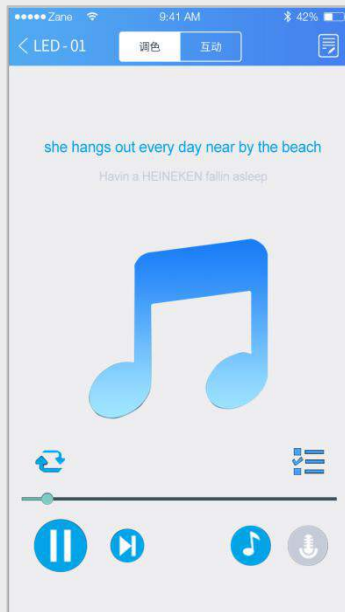with music

Voice control

System Applications

LED Lighting Smart Control System

Scenes:

1. Forget to turn off the light before leaving from house. You can turn off the light through remote control system.
2. When storekeeper wants to do the sales promotion on one item, he can change the LED lights to low CCT temperature, to make this item attractive.

Scenes:

3. Light dancing with music can attract more visitors, which will increase visitors flowrate tremendously, especially for KTV & club.
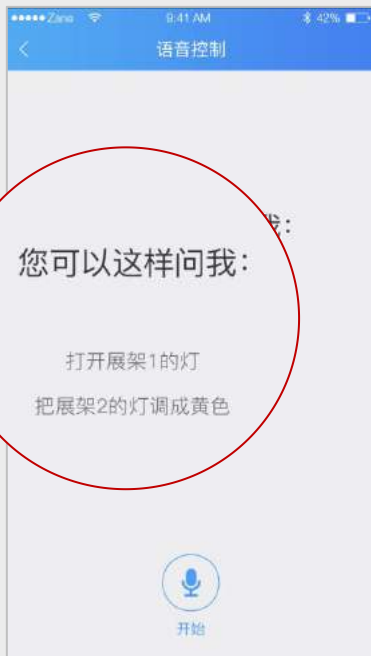
Scenes：

4. Using voice control to control all the lights in the mall, save time on turning on/off the lights one by one.

Recommend Products

LED Lighting Smart Control System

120dots/m 2835 Tape light

1. 14.4w/m

2. Light efficiency up to 100lm/w

3. 1200-1464lm/m

4. 5/3/2 years warranty

High Efficiency Tape Light 5730SMD

1. 24V Input

2. 130 lm/w

3. 64 dots/m & 128 dots/m available,

   1267-1497lm/m & 2534-2995lm/m

4. 5 years warranty
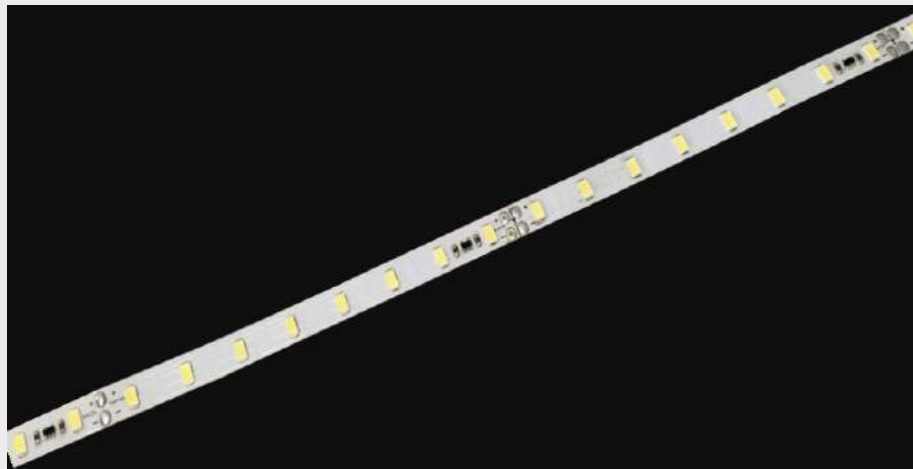
2016 SMD Double CCT Tape Light

1. 12v/24v Input

2. 180 dots/m & 240 dots/m available

3. Two colors in one tape

4. 5 years warranty

RGB Tape Light

1. 30 dots/m & 60dots/m available

2. RGB color 3in 1 5050 SMD

3. 4/3/2 years warranty

RGB+W Tape Light

1. 30RGB dots/m+30 white dots/m

2. RGB & white color available in one tape

3. 4/3 years warranty

RGBW/RGBA Tape Light

1. RGBW/RGBA 4 in 1 60 dots/m

2. 19.2w/m

3. 4 years warranty

RECOMMEDNATION FOR LINEAR LIGHT ENGINE

DIRECT LIGHTING

Light Engine Code	LED /m	Power/m	Lumen/m	Efficiency	FPC Width	Cuttable	Controllable	Sutiable Profile (Hot-spot less, Difusser PC Cover)
FN-2016-240	240pcs	17.28w	1182-1478lm	85lm/w	10mm	12V=12.5mm	DMX, Dali Dimmable	Width: 12-35mm , Light Engine to Cover Depth: 5-35mm
FN-2016-266	266pcs	16.42w	1310-1637lm	85lm/w	10mm	24V=26.3mm	DMX, Dali Dimmable	
FN-2016-240-Dual	240pcs	17.28w	1256-1404lm	80lm/w	10mm	12V=25mm 24V=50mm	DMX, Dali, CCT Dimmable	
FN-3528-120-WW/CW	120pcs	9.6w	651-845lm	80lm/w	8mm	12V=50mm 24V=100mm	DMX, Dali, CCT Dimmable	
FN-H2835-120	120pcs	11.52w	1300-1680lm	130lm/w	10mm	24V=62.5mm	DMX, Dali Dimmable	Width: 12-35mm , Light Engine to Cover Depth: 12-35mm
FN-H2835-160	160pcs	14.4w	1476-2230lm	130lm/w	10mm	24V=50mm	DMX, Dali Dimmable	
FN-2835A-120	120pcs	14.4w	1200-1464lm	100lm/w	10mm	12V=25mm 24V=50mm	DMX, Dali Dimmable	
FN-3528A-120	120pcs	9.6w	480-610lm	85lm/w	8mm	12V=25mm 24V=50mm	DMX, Dali Dimmable	
FN-2016A-162	162pcs	9.3w	720-830lm	95lm/w	5mm	29.5mm	DMX, Dali Dimmable	

IN-DIRECT LIGHTING (All direct light engines are suitable)

Light Engine Code	LED /m	Power/m	Lumen/m	Efficiency	FPC Width	Cuttable	Controllable
FN-H2835-64	64pcs	7.68w	972-1070lm	130lm/w	10mm	24V=125mm	DMX, Dali Dimmable
FN-H2835-80	80pcs	9.6w	1050-1365lm	130lm/w	10mm	24V=100mm	DMX, Dali Dimmable
FN-2835A-60	60pcs	14.4w	972-1404lm	90lm/w	10mm	12V=50mm 24V=100mm	DMX, Dali Dimmable
FN-3528A-60	60pcs	4.8w	243-405lm	80lm/w	8mm	12V=50mm 24V=100mm	DMX, Dali Dimmable
FN-5630-60	60pcs	20w	1890-2000lm	95lm/w	10mm	24VDC=100mm	DMX, Dali Dimmable

YU5 LED Bar for Display Box

1. Adopt high efficiency 2835 LED

2. Aluminum profile for heat diffusion

   30leds in 0.5 meter, 60 LEDs in 1meter,

   90leds in 1.5meter

3. Application in cabinet and display box.

Thank you

Blueview Elec-optic Tech Co.,Ltd