EXC ®

EXC ®

EXC ®

EXC Stock Code: 300889

Four major theme lighting show on international conferences
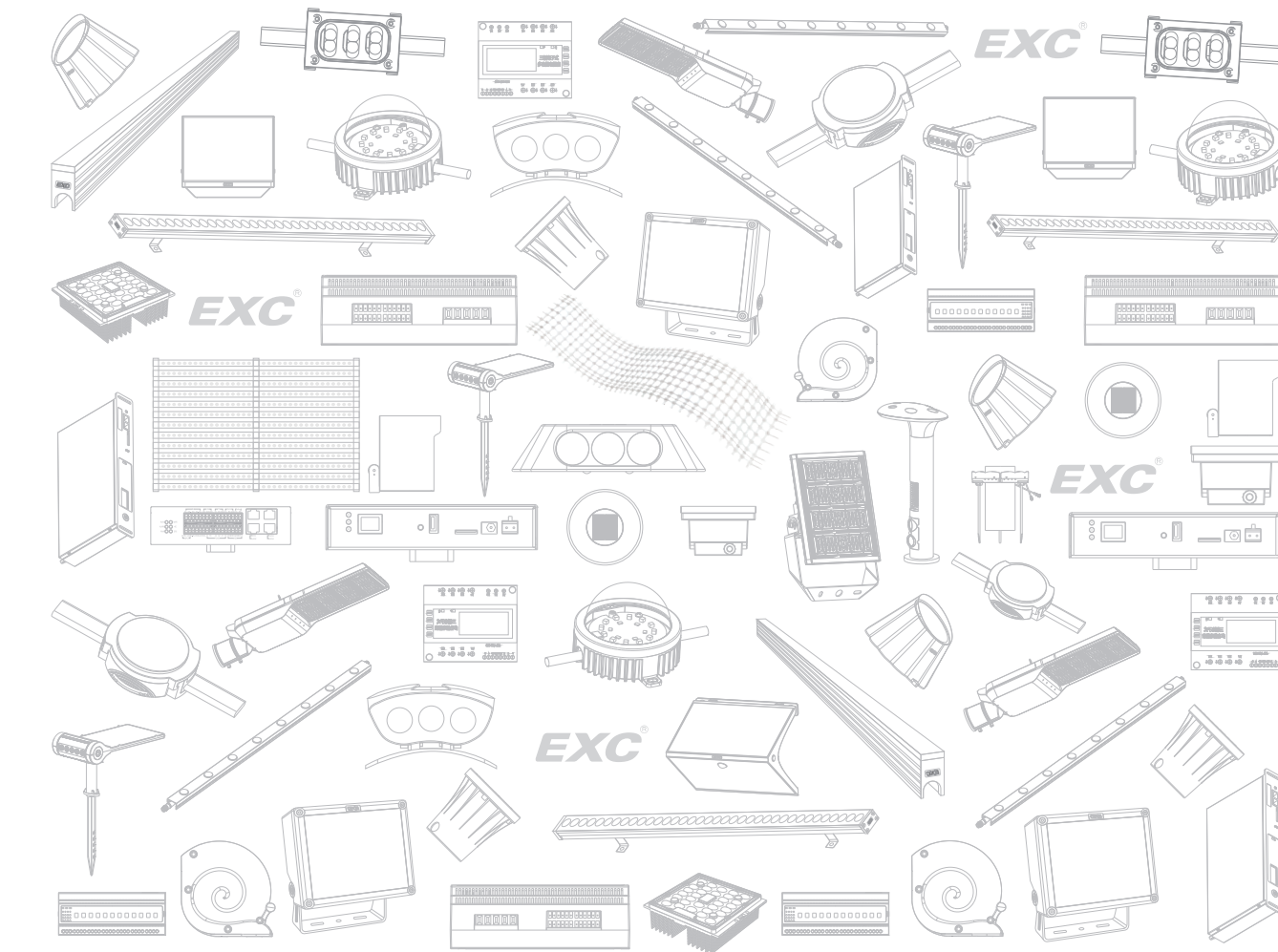Main provider of controlling system and lighting products

WUHAN 2019 7th CISM Military World Games

BRICS 2017 CHINA

G20 2016 CHINA

SMART LIGHTING AND CLOUD CONTROL SYSTEM SOLUTION PROVIDER

Product Brochure 2023

EXC Stock Code: 300889

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EXC®

Stock code: 300889

Smart Lighting and Cloud Control
System Solution Provider

Company Profile
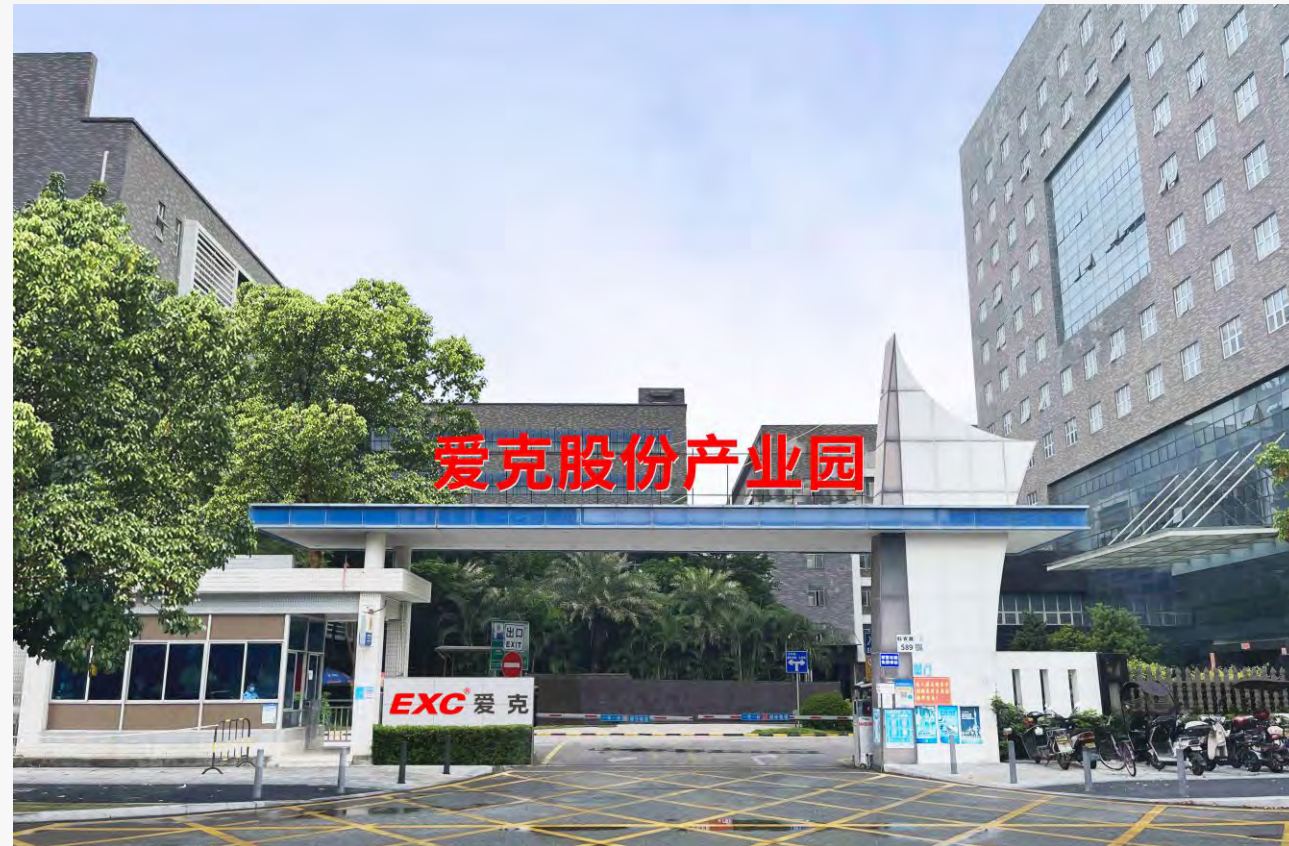
Shenzhen EXC-LED Technology Co., Ltd., established in September 2009, is a national high-tech enterprise integrating LED intelligent lighting products, smart city management and control cloud platform design, research and development, production, sales and service. Devote to providing leading technology, stable and reliable integrated solutions for intelligent lighting and IoT control systems to global customers. After ten years of arduous struggle, the company has developed into a leading enterprise in the field of intelligent lighting, and was successfully listed on the Shenzhen Growth Enterprise Market in September 2020 (stock code: 300889). It is the first listed company in the domestic intelligent landscape lighting industry.

Over the years, Exc has always adhered to technological innovation, participated in the drafting of a number of national and local industry standards. The company has a laboratory certified by China National Accreditation Service for Conformity Assessment (CNAS), and has won the "Guangdong Provincial Industrial Design Center", "Guangdong Provincial Landscape LED Lamp Engineering Technology Research Center"; obtained nearly 400 invention patents including software works, utility models and other patents. The company has an intelligent research institute in Nanshan District, Shenzhen. After years of research and development, Exc achieved a smart IoT comprehensive management and control cloud platform based on smart IoT control technology which is applied to smart cities such as smart road lighting, smart cultural tourism, smart lighting, and smart operation and maintenance. In the field, the comprehensive smart management and control cloud platform is advanced in the lighting industry, and has been successfully applied to many national key projects.

Established in September 2009
GEM listing in September 2020

Registered capital: 156 million CNY

Shenzhen: 40,000㎡ of modern production base
Jiangmen: Planned to add about 100,000 ㎡ factory buildings

Company Culture

EXC Vision:

Create a hundreds years technology company with tech leading and good reputation.

EXC Mission:

Create top security and intelligent product and service for customer in the field of

optoelectronics and new energy.

EXC Value:

Diligence, Quick action, loyalty, friendliness
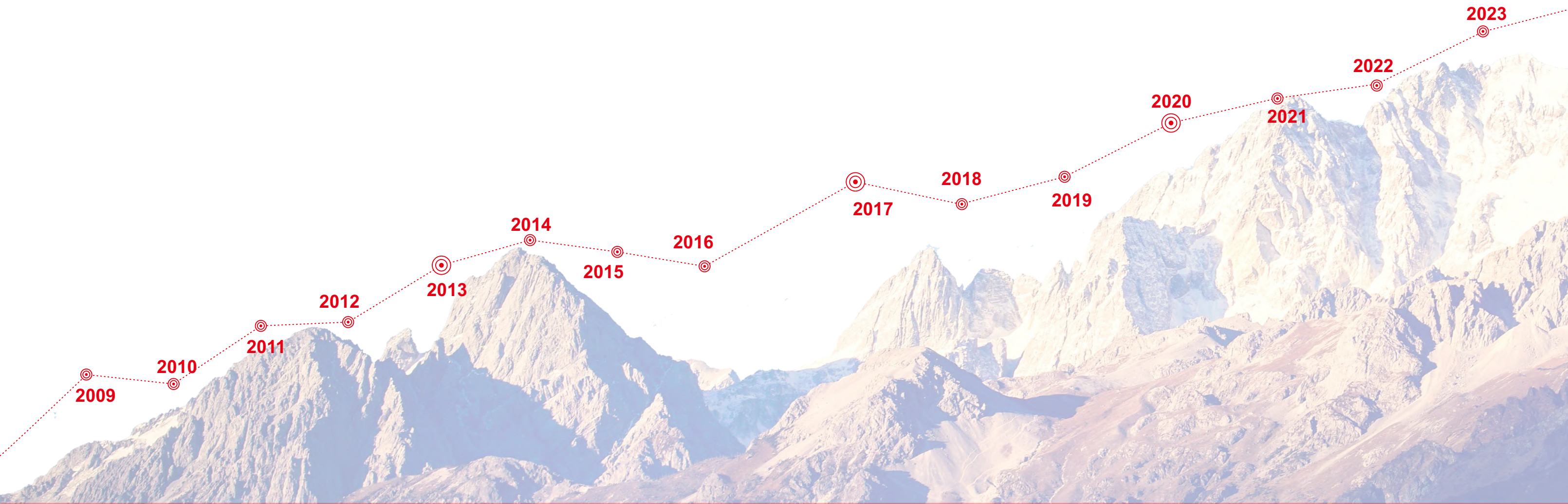
EXC Philosophy:

Long term passion, high responsibility, continuous innovation, empower customers!

Top talents gathering, actively competition, value creating together, achievement share!

EXC Final Target:

None defect of Quality, None complaint of Service, None delay of Delivery.

History

2009

2010

2011

2012

2013

2014

2015

2016

2017

2018

2019

2020

2021

2022

2023

2009 EXC-LED was established.

2010 Applied the single-line control technology to outdoor projects of a large scale for the first time.

2011 Completed the research on the new-generation graphic heteromorphic display and mapping technology and successfully applied it.

2012 Developed the intelligent pixel density switching image processing technology and successfully applied it.

2013 Completed the Guinness World Record light show project - Nanchang "One River and Two Banks"; completed the research and development of the new-generation pixel display DMX driver chips.

2014 Established the Intelligent Control R&D Center and the Reliability Laboratory.

2015 Completed the Wuhan "Two Rivers and Four Banks" Project; established the Outdoor Lighting Optical Research Center and the Optical Laboratory.

2016 Completed the G20 Summit in Hangzhou - Qianjiang New Town Themed Lighting Project, in which the 4G city cluster lighting control system was applied for the first time; recognized as a national high-tech enterprise.

2017 Completed projects including the themed lighting for the BRICS Summit in Xiamen, Guangzhou "One River, Two Banks and Three Belts", Fuzhou Minjiang River Banks, etc.; granted the software copyright of the Intelligent City Outdoor Lighting Management System.

2018 Completed projects including the themed lighting for the SCO Summit in Qingdao, the 40th Anniversary Celebrations of Shenzhen Reform and Opening up and the Themed Light Show; granted the invention patent for the LED City Building Facade Cluster Lighting Internet Control System and Production Process Method, and launched the industry-leading EXC ECCP2.0 Cloud Control Platform.

2019 As a dual core supplier of outdoor lighting intelligent cloud control and lighting products, successively completed lighting projects for major sports events such as the 7th CISM Military World Games in Wuhan, the 2nd Youth Games of the People's Republic of China in Taiyuan, and the National Minority Games in Zhengzhou; in addition, participated in large-scale lighting projects in Beijing, Urumqi, Changsha, Guangzhou, Yantai and other cities for the 70th anniversary of the National Day.

2020 Launched EXC-ECCP4.0 smart cloud control platform; successfully listed on the Shenzhen Stock Exchange's Growth Enterprise Market in September, becoming the first listed company in the field of smart landscape lighting.

2021 Jiangmen Smart Factory is fully under construction; increase capital investment in the Smart Research Institute to open a new era in business areas such as smart landscape lighting, smart road lighting, and smart lighting.

2022 EXC-ECCP5.0 smart lighting cloud platform was renamed "Hetu" smart lighting cloud control platform; EXC smart cloud cabinet was officially released.

2023 More events ongoing...

Qualifications and honors

EXC®

ISO9001 Quality Management System Certification

ISO14001 Environmental Management System Certification Certificate

ISO45001 Occupational Health and Safety Management System Certification Certificate

CB certification for Linear Light

CE certification for Pixel Light

CE certification for Flood Light

CE certification for Linear Light

CE certification for Wall Washer Light

ROHS certification for Pixel Light

ROHS certification for Flood Light

ROHS certification for Linear Light

ROHS certification for Wall Washer Light

WUHAN 2019
7th CISM Military World Games
The 7th CISM Military World Games in Wuhan

The SCO Summit in Qingdao

BRICS 2017 CHINA
The BRICS Summit in Xiamen

G20 2016 CHINA
The G20 Summit in Hangzhou

Main product and control system supplier of themed light shows of the core areas in the main venues for the four major international conferences

The Guinness World Record light show

Wenzhou Oujiang River Banks, and Nanchang "One River, Two Banks"

China Illuminating Engineering Society Lighting Award – First Prize Light Show

Shenzhen Futian (Related Areas), and Wenzhou Oujiang River Banks

EXC honors

Overall lighting of provincial cities

2019: The major supplier of outdoor lighting smart cloud control systems and products for the 7th CISM Military World Games in Wuhan.
2018: The major supplier of themed lighting control systems and products for the SCO Summit in Qingdao.
2017: The major supplier of themed lighting products for the BRICS Summit in Xiamen.
2016: The major supplier of themed lighting control systems and products for the G20 Summit in Hangzhou.

2013: Nearly 1.3 million point light sources for Nanchang "One River and Two Banks" project.
2015: Nearly 1.4 million point light sources for Wuhan "Two Rivers and Four Banks".
2016: Control systems and nearly 800,000 point light sources for Jiangbeizui CBD Cluster and Grand Theater in Chongqing.
2016: Control systems and nearly 500,000 point light sources for Changsha "One River and Two Banks" project.
2016: Control systems and nearly 1.2 million point light sources along the Haikou Bay in Haikou.

2016: Control systems and nearly 800,000 point light sources for lighting of Xi'an High-tech Zone.
2016: The major supplier of control systems and products for Changchun Downtown Lighting.
2016: The major supplier of control systems and products for Hohhot Downtown Lighting.
2017: Control systems and nearly 500,000 point light sources for Fuzhou "One River and Two Banks" project.
2017: Control systems and nearly 400,000 point light sources for the 13th National Student Sports Games in Tianjin.

2017: The major supplier of control systems and products for Nanjing Downtown Lighting.
2017: Nearly 1.2 million point light sources for Kunming Downtown Lighting.
2017: Nearly 500,000 point light sources for Guiyang Downtown Lighting.
2017: The major supplier of control systems and products for Chengdu Hi-tech Zone Lighting
2017: The major supplier of control systems and products for Ji'nan "One Ring and One Lake" Lighting

2017: The major supplier of products for Guangzhou Pearl River Banks Lighting.
2018: The major supplier of control systems and products for the celebration for the 40th Anniversary of China's Reform and Opening-up in Shenzhen.
2018: The major supplier of control systems and products for Urumqi Nightscape Lighting.
2018: The major supplier of control systems and products for Guangxi Nanning "Yongjiang River Banks" Nightscape Lighting.
2019: The major supplier of control systems and products for Overall City Lighting for the National Minority Games in Zhengzhou.

2019: Nightscape lighting of Chaoyang District, Wangjing District, Zhongguancun, Tongzhou Xinhua Avenue and Airport Express in Beijing
2019: Nightscape lighting of Downtown Area, and East and West Banks of Changfeng Fenhe River Scenic Spot for the 2nd Youth Games of the People's Republic of China in Taiyuan.
2019: Sanjiang Lighting Project in Chongqing, Hechuan.
2019: Fuzhou Downtown Lighting and Nightscape Lighting Project.
2019: Guangzhou Aoyuan Area and Huangpu Lighting Project

2019: Xinjiang Urumqi Lighting Project.
2019: Harbin landscape lighting comprehensive upgrade project.
2019: Chengdu World Police Conference City Overall Lighting project.
2019: Lighting of New Chongxian Town of Yuhang District and the north side of Ouhai Avenue of Zhenan Sic-tech Town in Hangzhou
2019: 2019: Lighting of Nanfei River Downtown Area, Shushan District and Wushidun in Hefei.

2019: the project of nightscape lighting facility access control system for the "Five Longitudinal and Five Horizontal" main roads in the downtown area of Changsha City.
2020: The main provider of control systems and products for the Yueguang Economic Complex Project in Ningbo Southern Business District.
2020: The main provider of landscape lighting control systems and products in the main urban area of Kunming.
2020: The main provider of intelligent lighting project control system and products for Urumqi Cultural Center.
2020: The main provider of floodlighting engineering control system and products for Yinchuan Greenland Cente.

2020: The main provider of lighting control system and products in Dunzhu Financial City, Lhasa.
2020: The main provider of lighting control system and products in Xining Central Plaza.
2021: The main provider of outdoor lighting smart cloud control platform and products on both sides of the Xiangjiang River in Changsha.
2021: The main provider of the overall lighting control system and product for the Shaanxi National Games.
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Overall lighting of prefecture-level cities

2016: The major supplier of control systems and products for Zhangjiajie Downtown Lighting.
2016: The major supplier of control systems and products for Baoding Downtown Lighting.
2016: The major supplier of control systems and products for Fuzhou Downtown Lighting.
2016: The major supplier of control systems and products for Shangrao Downtown Lighting.
2017: The major supplier of control systems and products for Hanzhong Downtown Lighting.

2017: The major supplier of control systems and products for Ordos Downtown Lighting.
2017: The major supplier of control systems and products for Wenzhou Downtown Lighting.
2017: The major supplier of control systems and products for Ningbo Hi-tech Zone Lighting.
2017: The major supplier of control systems and products for Hulun Buir Downtown Lighting.
2017: The major supplier of control systems and products for Yancheng Lighting.

2017: The major supplier of control systems and products for Huanyu Huijin Center in the CBD of Dongguan.
2017: The major supplier of products for the celebration for the 60th Anniversary of the Establishment of Honghe Prefecture.
2017: The major supplier of products for Old Town Reconstruction and Lighting in Baicheng City, Jilin Province.
2017: The major supplier of control systems and products for Lighting of Shangyu District, Shaoxing City.
2017: The major supplier of control systems and products for Anqing Downtown Lighting.

2017: The major supplier of control systems and products for the Nightscape Project of Huayang Lake Wetland Park, Mayong, Dongguan.
2018: The major supplier of control systems and products for the Wenzhou Oujiang River Banks Core Section Nightscape Lighting Project.
2019: City Lighting Upgrade Project of Maanshan City.
2019: the exclusive supplier of control systems and products for Korla Node Lighting.
2019: the project of Guandou Town, Jiujiang District, Wuhu City.

2019: The major supplier of control systems and products for the river embankment building linkage project in Heihe City (240,000 point light sources).
2019: the Lighting Project of Puxi River (Downtown Area), Huangshan District, Huangshan City.
2019: the Lighting Project of Southern New District of Ji'an City.
2019: the Lighting Project of Pharmaceutical High-tech Zone of Taizhou City.
2019: the Outdoor Lighting Project of the Downtown Area of Golumd City.

2019: the Outdoor Lighting Project of the Downtown Area of Xuecheng District, Zaozhuang City.
2019: the Key Lighting Project of Urban Roads of Weinan City.
2019: the Outdoor Lighting Project of the Downtown Area and the High-tech Zone of Yantai City.
2019: the "Light of Lishui" Nanhu Lake Nightscape Lighting Project in Lishui City.
2019: The major supplier of control systems and products for Xiangyang "Three Rivers and Five Banks" lighting.

2020: The major supplier of control systems and products for Shandong Weihai Bay and Liugong Island landscape lighting.
2020: The major supplier of control systems and products for the night scene identification project of Suqian Jiudu.
2020: The major supplier of control systems and products for Yueyang Hengda Health Valley Project.
2020: The major supplier of control systems and products for Tai'an Cultural Tourism City Project.
2020: The major supplier of control systems and products for Chaozhou Tengrui Center.

2020: The major supplier of control systems and products for Ganzhou city center.
2020: The major supplier of control systems and products for Suzhou High-speed Rail New City.
2020: The major supplier of control systems and products for Baoji City.
2021: The major supplier of control systems and products for Foshan City's overall lighting.

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Overall lighting of counties

2016: The major supplier of control systems and products for Peng'an Downtown Lighting.
2016: The major supplier of control systems and products for Yuqing Downtown Lighting (1,000,000 point light sources).
2017: The major supplier of control systems and products for Yanhe Downtown Lighting (1.3 million point light sources).
2017: The major supplier of control systems and products for Libo Downtown Lighting (700,000 point light sources).
2018: The major supplier of control systems and products for Chongqing Zhongxian Downtown Lighting.

2019: the Nightscape Upgrade Project of Dege County.
2019: the urban area Lighting of the Changwu County, Xianyang City, Shaanxi.
2019: Qinyuan Phase I Lighting Project.
2019: the urban area Nightscape Lighting Upgrade Project of Minqing County.
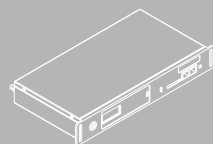2020: Qingtian COFCO Baiyue City Project.
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Distinctive lighting projects

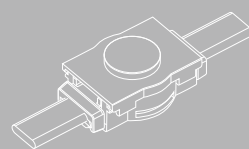|	
Landmarks:	Ping An Finance Center in Shenzhen, 2018.
	Qianxi Plaza in Zhengzhou, 2019.
Commercial complexes:	Henglong Plaza in Dalian, 2015.
	Yinjiayu·Tianyuan Complex in Yishui, 2020.
Charming stadiums:	Baoji Swimming and Diving Hall, 2016.
	Quanzhou Shimao·Maritime Silk Road Pavilion of the Palace Museum, 2020.
Cultural & tourist:	Mountain Lighting of Longfeng Peony Garden in Yangxian County, Hanzhong, 2017.
	Chibi Ancient Town in Hubei, 2019.
Bridges & highways:	Jinling River 18-Hole Bridge in Baoji, 2016.
	Shanghai Dishui Lake C, D, F, G landscape bridge lighting project, 2020.
Star hotels:	Oriental Grand Hotel Shaoxing, 2016.
	Yongchang International Hotel in Yulin, 2019.
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EXC®

01 Control System Series

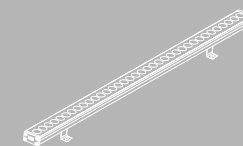### ECCP4.0 Smart Lighting Cloud Control Platform
—— 013-028

02 Architectural landscape lighting

Pixel Light Series
—— 031-054

Wall Washer Light Series
—— 055-076
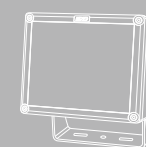
Flood Light Series
—— 077-100

Linear Light Series
—— 101-124

04 **Special Display Series**

01

Control System

Smart IoT Cloud Controls the World-EXC-ECCP4.0 Smart Cloud Control Platform

Birth background

"Smart City" is the use of big data, Internet, artificial intelligence and other technologies and data-driven to create an efficient and flexible urban system in urban construction. With the progress of smart city construction With continuous advancement, the development concept, construction idea, implementation path, operation mode, technical means and other all-round iterative upgrades of smart cities have entered a new smart city development stage that is people-oriented, effectiveness-oriented, overall planning, and collaborative innovation.

After years of exploration in the field of smart city systems, EXC-LED has formed unique advantages in technology, debugging, and services. The delivery of many successful cases has also accumulated a lot of practical experience for continuous technological innovation in this field. Based on the current overall deployment of actively promoting the construction of smart cities across the country, EXC-LED has assembled the needs of many city managers to effectively collect and analyze city big data, relying on cloud services and 4G/5G technology applications to launch EXC-ECCP4.0 Smart The cloud control platform greatly enhances the level of urban smart management, contributes to the development of smart cities, and creates a new situation for the sustainable and scientific development of smart cities.

System Introduction

Based on efficient operation and maintenance and energy saving and emission reduction, EXC-LED integrates the needs of relevant management agencies and authorities of smart cities, and uses technologies such as the Internet of Things, big data, and cloud computing to carefully build the EXCECCP4.0 smart cloud control platform. This cloud platform provides a dual engine of management and energy saving for smart cities, serves a wider area and more cities, creates a new smart city ecology that is harmonious between people and cities, and people and the environment, and gives full play to the role of smart cities in promoting economic and social development. , Create good economic and social benefits.

The EXC-ECCP4.0 smart cloud control platform includes smart lighting, smart street lights, smart sanitation, smart public toilets, smart advertising, smart parks, major guarantees, smart maps, smart operation and maintenance, smart monitoring, smart customization and other subsystems, with powerful business and massive data analysis and processing capabilities of the company, and provide clear and clear data statistics graphical interface, visual GIS electronic map interface and other forms of display interface, with complete urban smart management functions. The platform is independently developed and designed by EXC-LED, possesses complete intellectual property rights, and has a number of invention patents and software copyrights.

The cloud platform breaks information islands and builds an interconnected big data system with a future-oriented and user-oriented Internet of Things thinking, which effectively improves city management efficiency and reduces operation and maintenance costs.
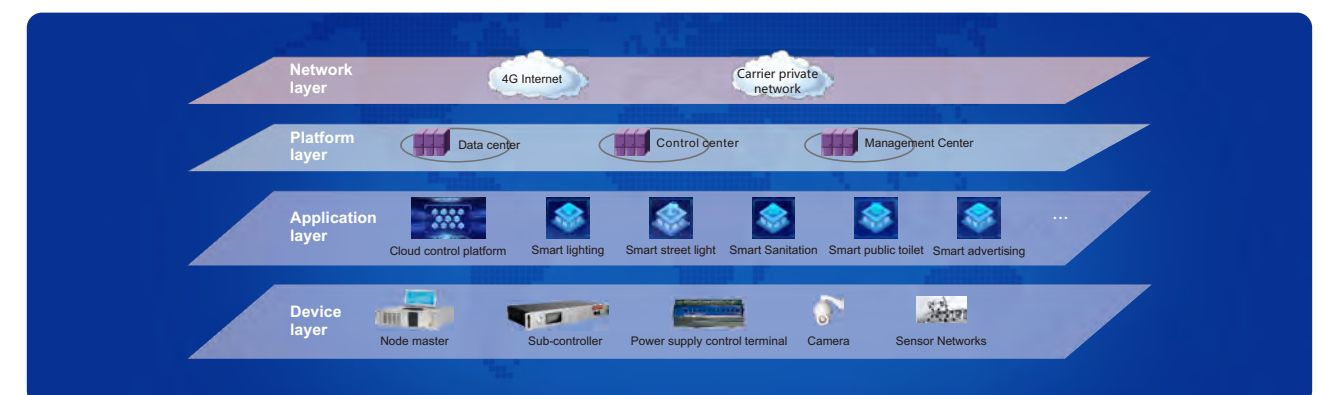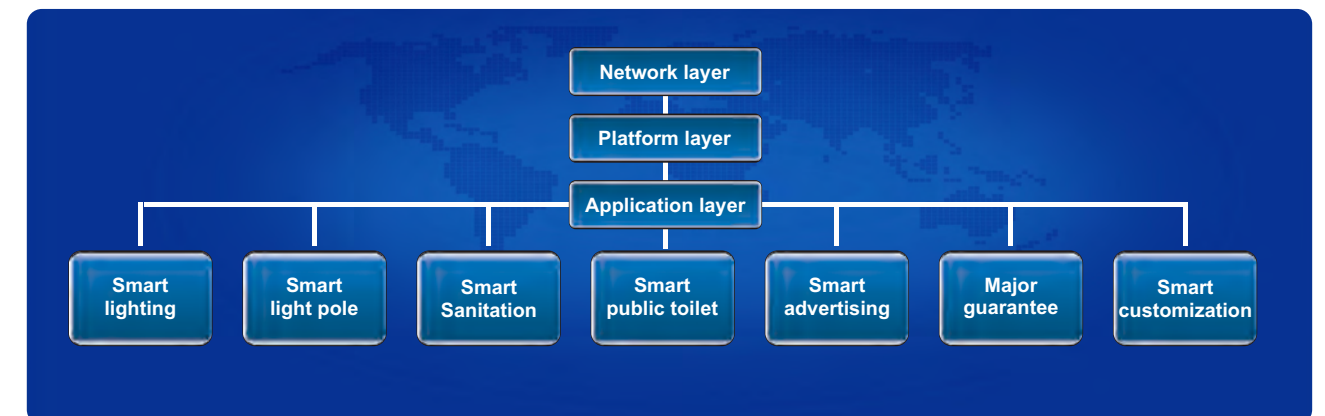
ECCP4.0 Smart Lighting Cloud Control Platform

Timing Signal

GPS or BDS

Master control center

Network operator

4G 5G

Zone Control Center 1

Regional Console   Time Server

Core Router   Firewall

Server   Switch   UPS power supply

Time Server   Core Router   Firewall

Zone Control Center 2

Regional Console   Time Server

Core Router   Firewall
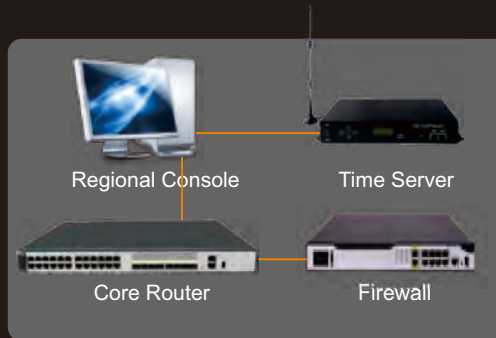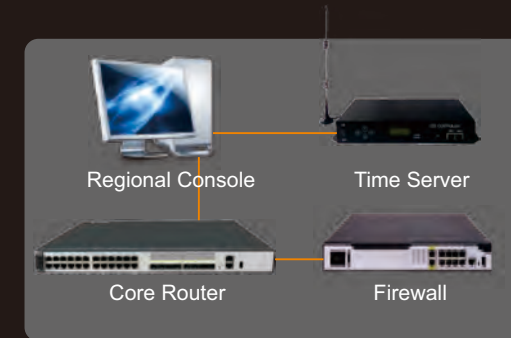
Network line (wired or wireless)

Node 1

Time Server
4G Router
Master Controller
Intelligent Gateway
Intelligent meter
Switch
Strong current module
Slave Control
Contactor

Node 2

Time Server
4G Router
Master Controller
Intelligent Gateway
Intelligent meter
Switch
Strong current module
Slave Control
Contactor

Node 3

Time Server
4G Router
Master Controller
Intelligent Gateway
Intelligent meter
Switch
Strong current module
Slave Control
Contactor

Node 4

Time Server
4G Router
Master Controller
Intelligent Gateway
Intelligent meter
Switch
Strong current module
Slave Control
Contactor

Zone I

Zone II

EXC-10000
Internet Multimedia Processor

Cloud Control System Connection Diagram

EXC-10000P

EXC-10000S

Product Size   Unit：mm

EXC-10000S

EXC-10000P
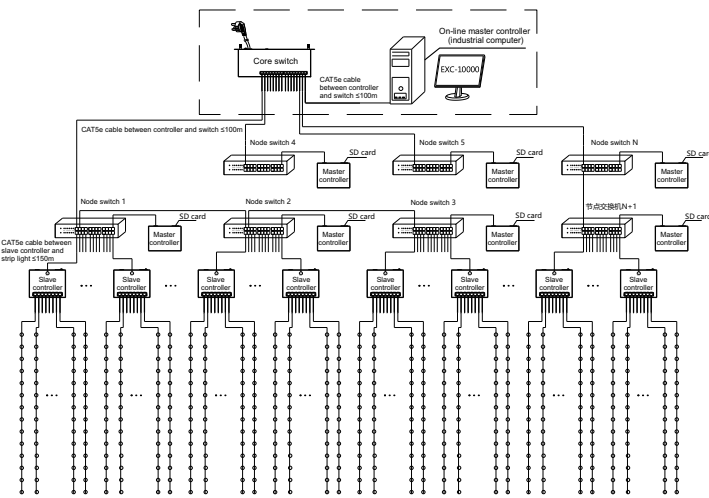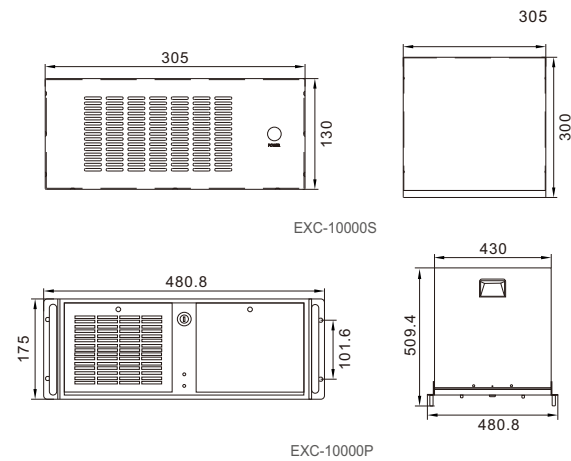
Product Features

● Support various audio and video input formats.
● Support remote wake-up, intelligent turn-on/off, intelligent effect change.
● Support synchronous real-time playback, suitable for use in large buildings.
● Support sensor control such as: light, music, temperature, etc.
● Support timing playback in multiple holiday modes.
● Need to be used with EXC-2900 or EXC-S880 series slave-controllers.
● Be provided with industry-level networking system to make it safer and more stable.
● Support the control over EXC full series lighting fixtures.

Control Parameters

Control method: EXC full series lighting fixtures and DMX512
                standard protocol lighting fixture
CPU: Core i7
RAM: 8G/32G
Graphics card: 2G independent display/4G independent display
Storage method: industrial-grade solid state drive
Control software: EXC player
Communication protocol: TCP/IP/UDP protocol
Online playback: support
Wireless synchronization: support

Structure Parameters

Shell material: IPC chassis
Surface Color: silver grey
Standard accessories: keyboard, mouse, power cord, monitor

Environmental parameters

Working temperature: 5℃- 50℃
Storage temperature: -20℃- 60℃
Humidity range: 0%~90%
Protection rating: IP20

Available Model

Series Option	Model and Specs	Main Features	Operating Voltage	Power	Size	Weight	Operating Temperature
S Series	EXC-10000S	IOT lighting processor, small industrial computer, capable of controlling no more than 300,000 pixels	AC220V	300W	305*300*130mm	12kg	5℃-50℃
P Series	EXC-10000P	IOT lighting processor, 4U industrial computer, capable of controlling no more than 300,000 pixels	AC220V	350W	481*490*177mm	17kg	5℃-50℃
Pro Series	EXC-10000P Pro	IOT lighting processor, 4U industrial computer, capable of controlling no more than 1,000,000 pixels	AC220V	500W	481*490*177mm	17kg	5℃-50℃

EXC-8000
Internet Multimedia Processor

Cloud Control System Connection Diagram

EXC-8000P

EXC-8000S

Product Size   Unit：mm

EXC-8000S

EXC-8000P
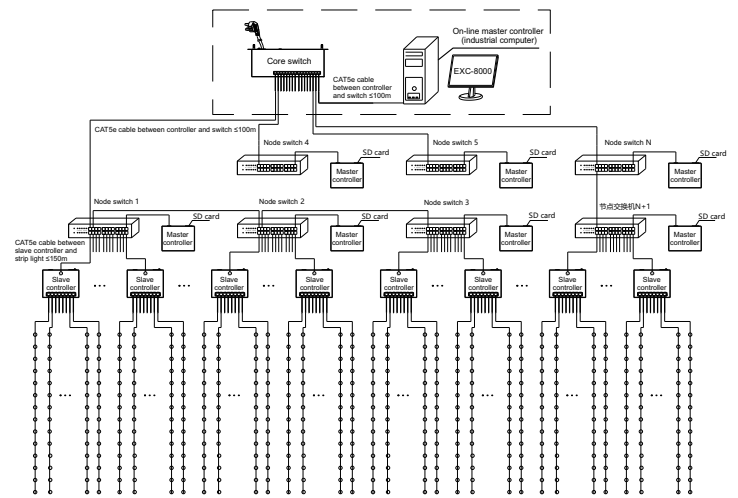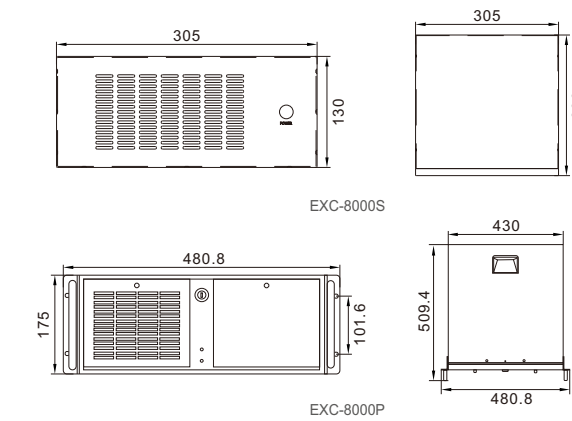
Product Features

● Support various audio and video input formats.
● Support remote wake-up, intelligent turn-on/off, intelligent effect change.
● Support synchronous real-time playback, control pixels for projects within 200,000 dots.
● Support sensor control such as: light, music, temperature, etc.
● Support timing playback in multiple holiday modes.
● Need to be used with EXC-2900 or EXC-S880 series slave-controllers.
● Be provided with industry-level networking system to make it safer and more stable.
● Support the control over EXC full series lighting fixtures.

Control Parameters

Control method: EXC full series lighting fixtures and DMX512
                standard protocol lighting fixture
CPU: Core i5
RAM: 8G
Graphics card: 2G independent display
Storage method: industrial-grade solid state drive
Control software: EXC player
Communication protocol: TCP/IP/UDP protocol
Online playback: support

Structure Parameters

Shell material: IPC chassis
Surface Color: silver grey
Standard accessories: keyboard, mouse, power cord, monitor

Environmental parameters

Working temperature: 5℃- 50℃
Storage temperature: -20℃- 60℃
Humidity range: 0%~90%
Protection rating: IP20

Available Model

| Series Option	Model and Specs	Main Features	Operating Voltage	Power	Size	Weight	Operating Temperature
S Series	EXC-8000S	IOT lighting processor, small industrial computer, capable of controlling no more than 200,000 pixels	AC220V	300W	305*300*130mm	8.9kg	5℃-50℃
P Series	EXC-8000P	IOT lighting processor, 4U industrial computer, capable of controlling no more than 200,000 pixels	AC220V	300W	481*509*175mm	17kg	5℃-50℃

EXC-6000
## Internet Multimedia Processor

EXC-6000P

EXC-6000S

Cloud Control System Connection Diagram

EXC-6000
Master controller

Internet Switc

CAT5e cable between switch and sub controller ≤150m

CAT5e cable between switch and sub controller ≤150m

CAT5e cable between slave controller and strip light ≤150m

Power Switch
Power Switch
Power Switch
Power Switch
Power Switch
Power Switch

Data converter   Lamp   Power injection cable

Product Size   Unit：mm

EXC-6000S

EXC-6000P

Product Features

● Support various audio and video input formats;
● Support intelligent turn-on/off, intelligent effect change;
● Support synchronous real-time playback, control pixels for projects within 300,000 dots;
● Support timing playback in multiple holiday modes;
● Need to be used with EXC-2900 series sub-controllers;
● Be provided with industry-level networking system to make it safer and more stable;
● Support the control over EXC full series lighting fixtures;

Control Parameters

Control method: EXC full series lighting fixtures and DMX512
                standard protocol lighting fixture
Graphics card: 2G independent display
Storage method: SSD/HDD
Control software: EXC player
Communication protocol: TCP/IP protocol
Online playback: support
Wireless synchronization: support

Structure Parameters

Shell material: IPC chassis
Surface Color: silver grey
Standard accessories: keyboard×1/mouse×1 /instruction book×1/
power cord×2/19" display×1/VGA line×1

Environmental parameters

Working temperature: 5℃~ 50℃
Humidity range: 30%~80%
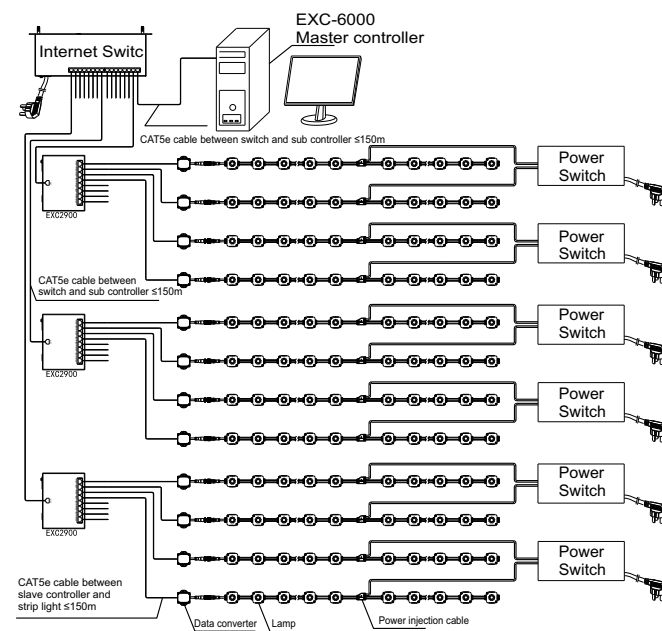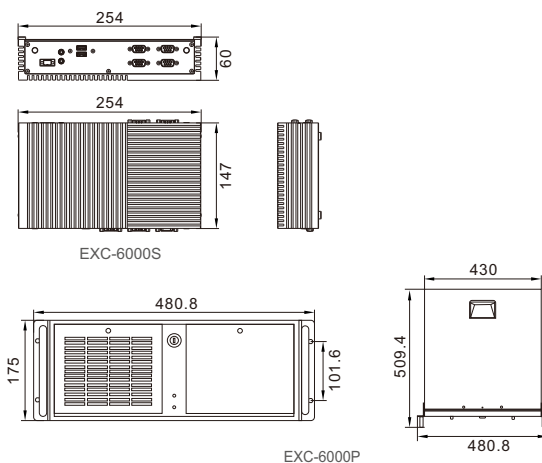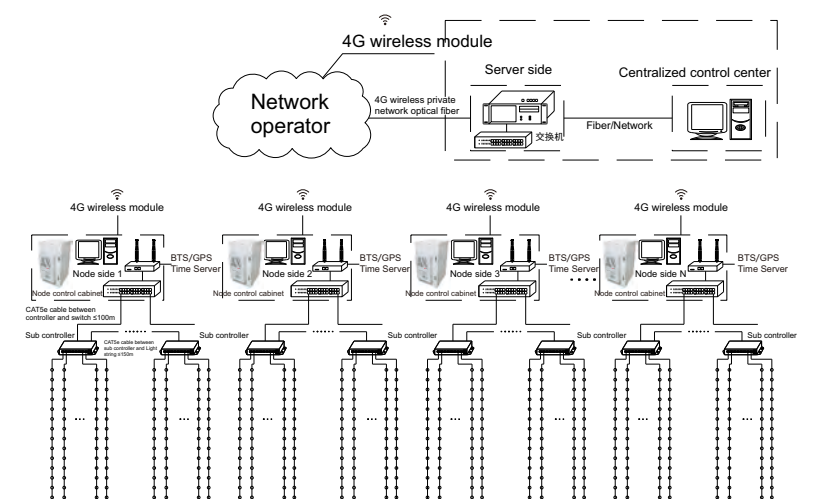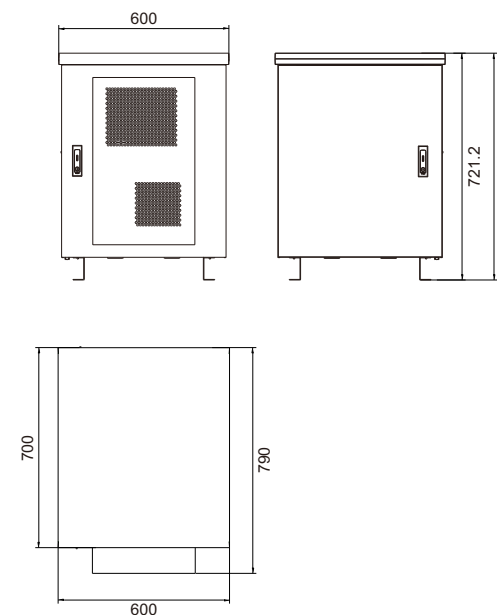Protection rating: Indoor

Available Model

Series Option	Model and Specs	Main Features	Operating Voltage	Power	Size	Weight	Operating Temperature
Economic Version	EXC-6000S	Online master controller, Commercial customized version, capable of controlling no more than 300,000 pixels	AC220V	300W	254*147*60mm	8.9kg	5℃-50℃
Professional Version	EXC-6000P	Online master controller, Industrial customized version, capable of controlling no more than 300,000 pixels	AC220V	300W	481*509*175mm	17kg	5℃-50℃

EXC-CTC6000P
Intelligent thermostatic cabinet

Cloud Control System Connection Diagram

4G wireless module
Server side
Centralized control center
4G wireless private network optical fiber
Fiber/Network
Network operator

4G wireless module   4G wireless module   4G wireless module   4G wireless module
Node side 1   Node side 2   Node side 3   Node side N
BTS/GPS Time Server

Node control cabinet   Node control cabinet   Node control cabinet   Node control cabinet

Sub controller   Sub controller   Sub controller   Sub controller   Sub controller

Product Size   Unit：mm

Product Features

● Automatic operation after power on, intelligent temperature adjustment, no human interference;
● Support RS485 communication, and the operation status and parameters can be queried through the upper computer;
● Support dry contact output of public alarm relay;
● High quality 304 stainless steel + outdoor surface treatment double protection;
● The equipment can operate continuously for 7 * 24 hours;
● IP55 protection grade, meet the working requirements of general field communication equipment;

Control Parameters

Control mode: automatic operation
Refrigerating power: 200W
Heating power: 400W
Signal interface: RS485
Display Screen: 96 * 32 LCD
Key: 7 keys
Signal acquisition: dry contact output
Indictor: Optional

Structure parameters

Shell material: 304 stainless steel
Surface color: Grey outdoor orange powder
Standard accessories: Power strip, Signal cord, power cord, instruction

Environment parameters

Operating temperature: -40℃~50℃
Storage Temperature: -40℃~65℃
Humidity range: 0%-90%
Protection rating: IP55

Available Model

Series Option	Model and Specs	Main Features	Operating Voltage	Power	Size	Weight	Operating Temperature
P series	EXC-CTC6000P	Intelligent thermostatic cabinet, provide a clean environment with constant temperature and humidity (25 ℃, 50% RH) for internal core equipment to ensure long-term reliable and stable operation of the equipment	AC220V	400W	795*600*800mm	80kg	-40℃-55℃

EXC-ECCP-C
Touch control console series

EXC-ECCP-C-1

EXC-ECCP-C-2

EXC-ECCP-C-4

Product size   unit:mm

2466
1459
996
841
1017
1032
609
Camera
Sound hole Button USB jack
EXC-ECCP-C-1

3857
1459 1459
996
841
1017
1032
609
Camera
Sound hole Button USB jack
EXC-ECCP-C-2

6645
1459 1394 1394 1459
996
841
1017
1032
609
Camera
Sound hole Button USB jack
EXC-ECCP-C-4

Product Features

● 4K ultra-high-definition display, narrow bezel design, front USB port that switches with the channel
● Custom Android system design
● Ultra-thin pluggable PC module, built-in video conferencing software under the PC channel
● Anti-light interference touch technology
● In standby mode, HDMI channel signal input intelligent wake-up
● Support wireless screen transfer function
● Support WIFI dual frequency 2.4G/5G
● Support one network cable for dual-system Internet access, and one wireless dual-system network sharing
● With channel memory function, it will enter the homepage by default after power-on
● One-key black screen (energy saving, environmental protection, improve service life)

Control Parameter

Control mode: 20-point touch mode
Operating system: Android/win10 dual system
Resolution: 3840 (H) × 2160 (V)
WIFI: 802.11 a/b/g/n/ac version, 2.4GHZ/5GHZ, ≤12M
Bluetooth: 4.2 version, 2.4GHZ, ≤12M
Speaker: channel 2.1 power 2*10W+20W
I/O interface: MDMI IN/USB2.0/USB3.0/TYPE-C/TOUCH/AUDIO OUT/RS232
Camera: 12 million

Environmental parameters

Working temperature: 0℃ to 40℃
Storage temperature: -20℃ to 60℃
Humidity range: 0%-90%
Protection level: IP20

Structural parameters

Shell material: high-quality electrolytic galvanized sheet + powder spray
Surface color: black
Signal interface: EXC dedicated connector
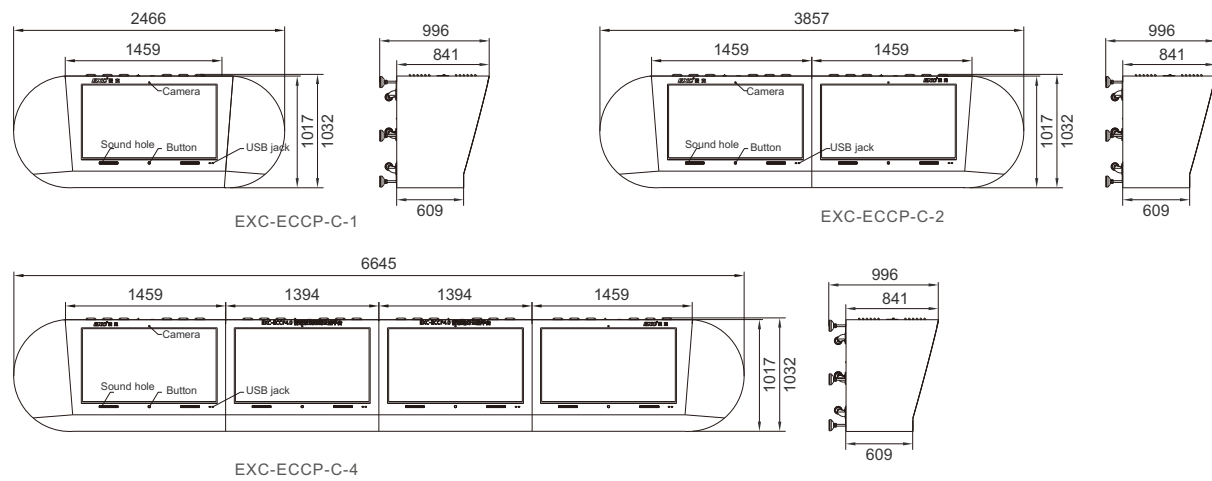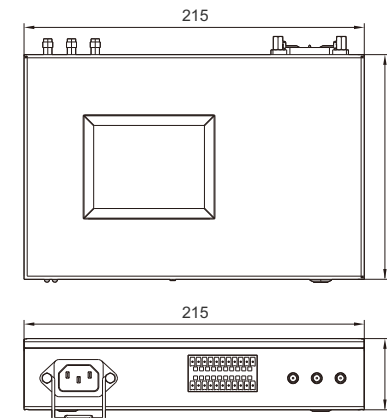Standard accessories: touch pen, PC module

Available Models

Series option	Model and spec	Feature	Operating voltage	Power	Size	Weight	Operating temperature
EXC-ECCP-C	EXC-ECCP-C-1	1. With HDMI high-definition display port, which can be connected to an external display; 2. Include 1*55 inch touch screen, support touch operation; 3. Android/windows10 system	AC220V	330W	2466x1032x996mm	45kg	0℃-40℃
EXC-ECCP-C	EXC-ECCP-C-2	1. With HDMI high-definition display port, which can be connected to an external display; 2. Include 1*55 inch touch screen, support touch operation; 3. Android/windows10 system	AC220V	330W*2	3857x1032x996mm	90kg	0℃-40℃
EXC-ECCP-C	EXC-ECCP-C-4	1. With HDMI high-definition display port, which can be connected to an external display; 2. Include 4*55 inch touch screen, support touch operation; 3. Android/windows10 system	AC220V	330W*4	6645x1032x996mm	180kg	0℃-40℃

EXC-M620
IOT lighting controller series

Cloud Control System Connection Diagram

4G
GPS
Cloud control platform
EXC-M620D-SPC
Photometric sensor
Temperature and humidity sensor
Switch detection
Switch Meter Strong current control module
Sub controller Sub controller Sub controller

Product size   unit:mm

215
142
215
45

Control parameters

Control method: EXC full series lighting fixture and DMX512 standard protocol lighting fixture
Color Range: Support monochrome, two-color, three-color, four-color and multi-channel lamps
Control Capable: ≤150000 pixels
Grey scale: 8Bits/12Bits/16Bits
Communication port: 1000Mbps ethernet portx2
Communication protocol: TCP/IP protocol
On-line play: Yes
Storage medium: SD card≤32G
Wi-Fi Sync: support

Product Features

● To be used together with EXC-S880 or EXC-2900 series sub controller;
● Capable of controlling no more than 150,000 pixels;
● Support redundant dual backup to provide reliability;
● Support Ethernet interface and TCP/IP/UDP data communication protocols
● Support parallel connection of switches to reduce system cascading chain length and improve stability;
● Support synchronous control of multiple GPS satellites/BTS wireless base stations;
● Control no more than 60 frames/s of frame frequency and 65536 grades grey scale lighting fixture;
● Support standard DMX512/1990 general protocol and DMX512 extension protocol;
● Support three-primary-color independent brightness control to make the precise adjustment of white balance simpler and more effective;
● Support automatic, timed and preset festival effect play
● Support SD card storage of no more than 32G to preset no more than 99 program files;
● Support the mixed use of lighting fixtures in different types and protocols, to achieve high compatibility;
● Support the control over EXC full series lighting fixture
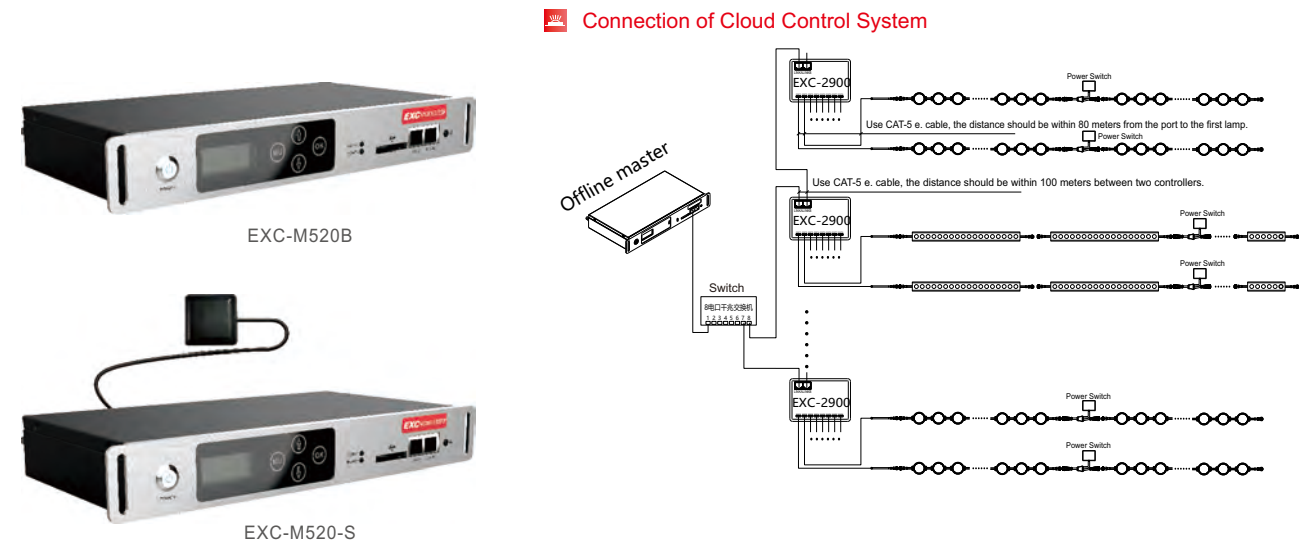
Structure parameters

Shell material: high quality electro-galvanized steel sheet + powder injection
Surface color: black
Signal connector: EXC special connector
Standard accessories: remote controller ×1/SD card×1/card reader×1/AC power cord×1
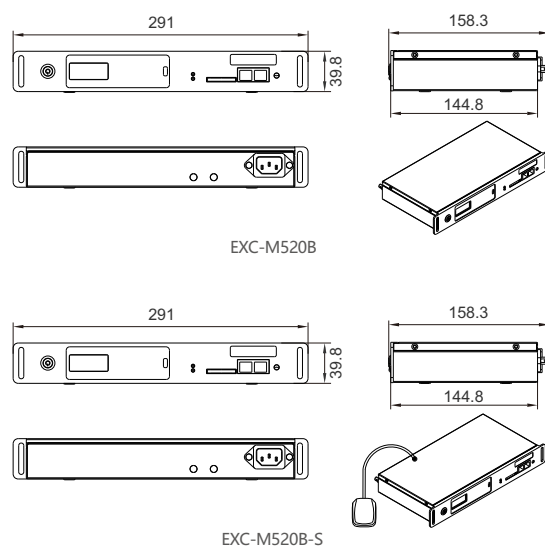
Environment parameters

Operating temperature: -30℃~50℃
Storage Temperature: -40℃~70℃
Humidity range: 0%-90%
Protection rating: IP20(Section B)

Available Model

Series Option	Model and Specs	Main Features	Operating Voltage	Power	Size	Weight	Operating Temperature
EXC-M620	EXC-M620D-SPC	IOT master controller, dual ethernet port, full series lighting fixture, 4G networking, remote program distribution, strong current control, Indoor, 150,000 pixels, extensible	AC220V	15W	215*142*42mm	1.2kg	-30℃-50℃

EXC-M520
Off-line controller series

Connection of Cloud Control System

EXC-M520B

EXC-M520-S

Offline master

Switch

EXC-2900
Use CAT-5 e. cable, the distance should be within 80 meters from the port to the first lamp.
Power Switch

Use CAT-5 e. cable, the distance should be within 100 meters between two controllers.

EXC-2900
Power Switch

EXC-2900
Power Switch

Product Size   Unit: mm

291
39.8
158.3
144.8

EXC-M520B

291
39.8
158.3
144.8

EXC-M520B-S

Product Features

● To be used together with EXC-S880 or EXC-2900 series sub controller.
● Capable of controlling no more than 100,000 pixels.
● Support redundant dual backup to provide reliability.
● Support Ethernet interface and TCP/IP/UDP data communication protocols.
● Support parallel connection of switches to reduce system cascading chain length and improve stability.
● Support synchronous control of multiple GPS satellites/BTS wireless base stations.
● Control no more than 60 frames/s of frame frequency and 65536 grades grey scale lighting fixture.
● Support standard DMX512/1990 general protocol and DMX512 extension protocol.
● Support three-primary-color independent brightness control to make the precise adjustment of white balance simpler and more effective.
● Support automatic, timed and preset festival effect play.
● Support SD card storage of no more than 32G to preset no more than 99 program files.
● Support the mixed use of lighting fixtures in different types and protocols, to achieve high compatibility.
● Support the control over EXC full series lighting fixture.

Control Parameters

Control method: EXC full series lighting fixture and DMX512 standard protocol lighting fixture
Color Range: Support monochrome, two-color, three-color, four-color and multi-channel lamps
Control Capable: ≥100000 pixels
Grey scale: 8Bits/12Bits/16Bits
Communication port: 1000Mbps ethernet portx2
Communication protocol: TCP/IP protocol
On-line play: Yes
Storage medium: SD card≤32G
Wi-Fi Sync: support EXC-M520B-S series

Structure parameters

Shell material: high quality electro-galvanized steel sheet + powder injection
Surface color: black
Signal connector: EXC special connector
Standard accessories: remote controller ×1/SD card×1/card reader×1/AC power cord×1

Environment parameters

Operating temperature: -30℃~50℃
Storage Temperature: -40℃~70℃
Humidity range: 0%-90%
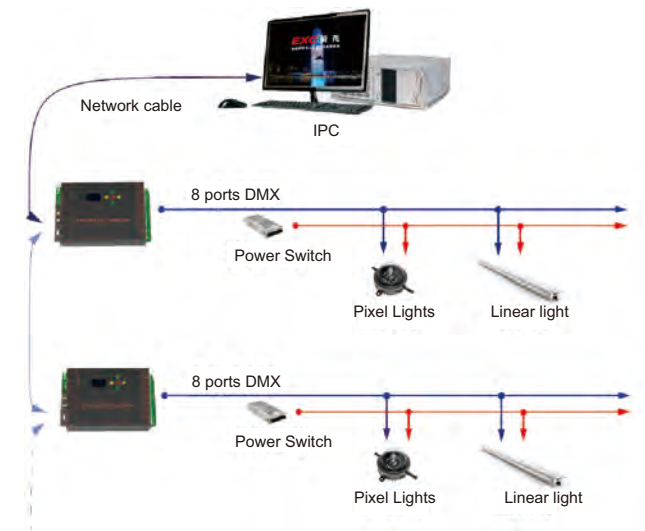Protection rating: IP20(Section B)

Available Model

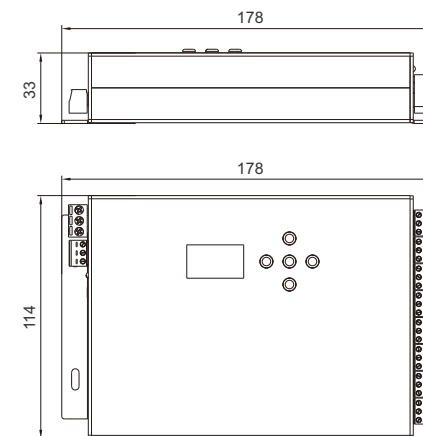| Series Option	Model and Specs	Main Features	Operating Voltage	Power	Size	Weight	Operating Temperature
EXC-M520	EXC-M520B	Off-line master controller, dual ethernet port, full series lighting fixture, Indoor, 100,000 pixels, standard configuration, non-extensible	AC220V	15W	291*145*40mm	1.2kg	-30℃-50℃
	EXC-M520B-S	Off-line master controller, dual ethernet port, full series lighting fixture,Indoor 100,000 pixels, GPS synchronization, extensible	AC220V	15W	291*145*40mm	1.2kg	-30℃-50℃

EXC-Y881
IOT lighting controller

Connection of Cloud Control System

8 Ports LED Controller

Network cable

IPC

8 ports DMX
Power Switch
Pixel Lights   Linear light

8 ports DMX
Power Switch
Pixel Lights   Linear light

Product Size   Unit: mm

178
33
178
114

Product Features

● Multifunctional integration, which can be used as master control and sub control.
● 8-port output, each port can control ≤ 680 pixels.
● Dual network ports, built-in switch, support TCP / IP / UDP data communication protocol.
● Support RDM function and RDM over ArtNet function.
● Support ArtNet/SCAN protocol and related software control.
● Support WEB interface configuration and bilingual switching between Chinese and English.
● Support the conversion of dm512 to ArtNet, and convert DMX512 to network ArtNet data.
● With display screen and operation keys.
● Support standard DMX512/1990 general protocol and extended DMX512 protocol.
● Independent brightness control of three primary colors, makes it easier and more effective to accurately adjust the white balance.
● Port enhanced protection circuit, ensure the port not easy to be damaged.
● Support the control of full EXC series lighting fixture.

Structure parameters

Shell material: Metal
Surface color: black
Signal connector: dedicated EXC connector
Standard accessories: connecting terminal

Environment parameters

Operating temperature: -30℃~50℃
Storage Temperature: -40℃~70℃
Humidity range: 0%-90%
Protection rating: IP20

Control Parameters

Control method: EXC full series lighting fixture and DMX512 standard protocol lighting fixture
Color Range: Support monochrome, two-color, three-color, four-color and multi-channel lamps
Control Capable: ≤5000 pixels
Grey scale: 8Bits/12Bits/16Bits
Communication port: 1000Mbps ethernet portx2
Communication protocol: TCP/IP protocol
On-line play: Yes
Storage medium: Micro SD card≤256G, not available by default
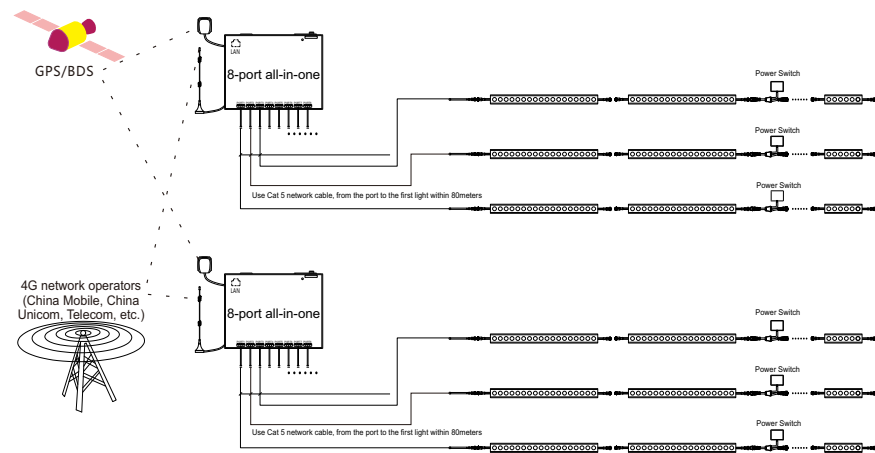Wi-Fi Sync: not support

Available Model

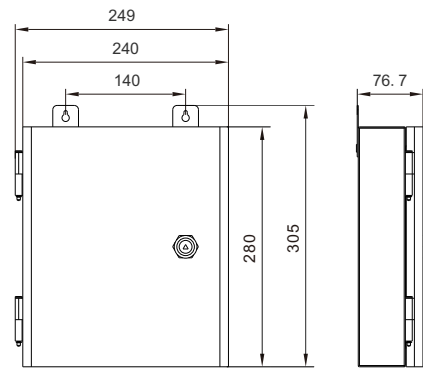| Series Option	Model and Specs	Main Features	Operating Voltage	Power	Size	Weight	Operating Temperature
EXC-Y881	EXC-Y881X-AR	Artnet controller, With master controller and sub controller switching function, double 100m network port, full series lighting fixture, 5000 pixels, standard configuration, non-extensible	DC9-48V	15W	178*114*33mm	1kg	-30℃-50℃

EXC-Y880

IoT lighting controller series

Cloud Control System Connection Diagram

GPS/BDS

8-port all-in-one

Power Switch

Use Cat 5 network cable, from the port to the first light within 80meters

4G network operators (China Mobile, China Unicom, Telecom, etc.)

8-port all-in-one

Power Switch

Use Cat 5 network cable, from the port to the first light within 80meters

Product Size   Unit：mm

249
240
140
76.7
280
305

EXC-Y880A

Product Features

● Integrate master controller and slave controller and may be directly provided with lights.
● Support 8-port output, with each port controlling no more than 3,072 channels.
● Support Ethernet interface and TCP/IP/UDP data communication protocols.
● Support synchronous control of multiple GPS satellites/BTS wireless base stations.
● Support 4G networking and remotely deliver programs.
● Control no more than 60 frames/s of frame frequency and 65536 grades grey scale lighting fixture.
● Support standard DMX512/1990 general protocol and DMX512 extension protocol.
● Support three-primary-color independent brightness control to make the precise adjustment of white balance simpler and more effective.
● Support automatic, timed and preset festival effect play.
● Support SD card storage of no more than 32G to preset no more than 99 program files.
● Support the mixed use of different types of lamps and lamps of different protocols, with strong compatibility.
● Be provided with port enhancement type protective circuit to achieve better protection of port.
● Support the control over EXC full series lighting fixture.
● Support 1 RS 2 3 2 and 4 8 5 interface each, support parameter configuration and third-party device access.
● Support 2 dry nodes and 2 wet nodes, can be used for external third-party sensing equipment such as door opening detection, water flooding sensor, fire alarm sensor, etc.

Control Parameters

Control method: EXC full series lighting fixture and DMX512 standard protocol lighting fixture
Control color: support single color, double color, three color, four color and multi-channel lamps
Pixel under control: ≥8000 pixel
Grey scale: 8Bits/12Bits/16Bits
Communication port: 100Mbps ethernet portx1 4G port x1
Communication protocol: TCP/IP protocol
On-line play: Yes
Storage medium: SD card≤32G
Wi-Fi Sync: support EXC-Y880A-S EXC-Y880A-SC series

Structure parameters

Shell material: high quality electro-galvanized steel sheet + powder injection
Surface color: black
Signal connector: dedicated EXC connector
Standard accessories: remote controller ×1/SD card×1/card reader×1/AC power cord×1

Environment parameters

Operating temperature: -30℃-50℃
Storage Temperature: -40℃-70℃
Humidity range: 0%-90%
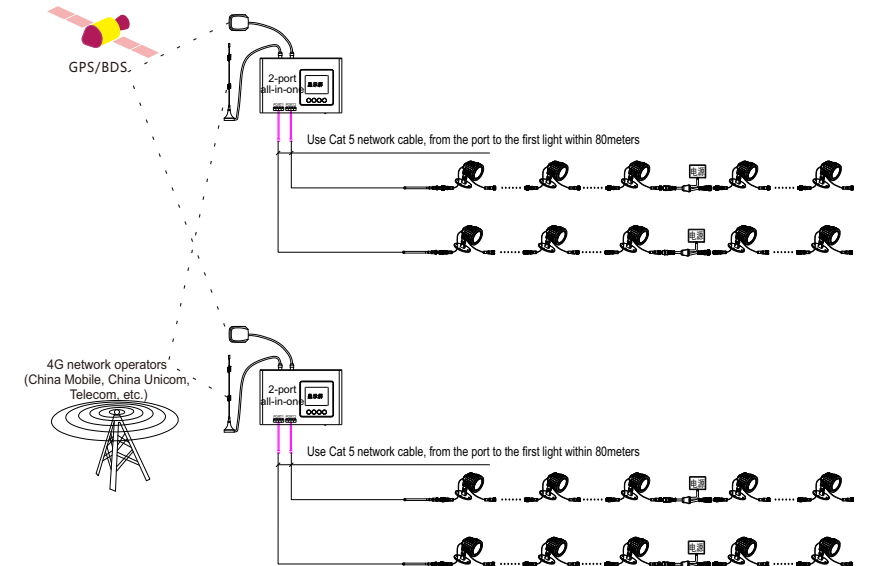Protection rating: IP5X

Available Model

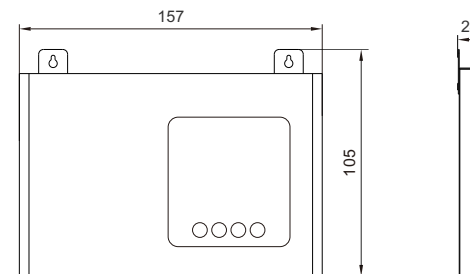| Series Option	Model and Specs	Main Features	Operating Voltage	Power	Size	Weight	Operating temperature
EXC-Y880	EXC-Y880A	Main and sub controller all-in-one machine, 100M Ethernet port, all series of lamps, outdoor, maximum 8000 pixels, standard configuration, not expandable	AC220V	15W	249*305*77mm	1.8kg	-30℃-50℃
	EXC-Y880A-S	Main and sub controller all-in-one machine, 100M Ethernet port, all series of lamps, outdoor, maximum 8000 pixels, GPS synchronization, expandable	AC220V	15W	249*305*77mm	1.8kg	-30℃-50℃
	EXC-Y880A-SC	Main and sub controller all-in-one machine, 100M Ethernet port, all series of lamps, outdoor, maximum 8000 pixels, GPS synchronization, expandable, 4G program delivery	AC220V	15W	249*305*77mm	1.0kg	-30℃-50℃

EXC-Y220

IoT lighting controller series

Cloud control system connection diagram

GPS/BDS.

2-port all-in-one

Use Cat 5 network cable, from the port to the first light within 80meters

4G network operators (China Mobile, China Unicom, Telecom, etc.)

2-port all-in-one

Use Cat 5 network cable, from the port to the first light within 80meters

Product Size   Unit：mm

157
24
105

Product Features

● Integrate master controller and slave controller and may be directly provided with lights
● Support 2-port output, with each port controlling no more than 3,072 channels
● Support Ethernet interface and TCP/IP/UDP data communication protocols
● Support synchronous control of multiple GPS satellites/AC synchronous control
● Support 4G networking and remotely deliver programs
● Control no more than 60 frames/s of frame frequency and 65536 grades grey scale lighting fixture
● Support standard DMX512/1990 general protocol and DMX512 extension protocol
● Support three-primary-color independent brightness control to make the precise adjustment of white balance simpler and more effective
● Support automatic, timed and preset festival effect play
● Support SD card storage of no more than 32G to preset no more than 99 program files
● Support the mixed use of different types of lamps and lamps of different protocols, with strong compatibility
● Be provided with port enhancement type protective circuit to achieve better protection of port
● Support the control over EXC full series lighting fixture

Control parameters

Control method: EXC full series lighting fixture and DMX512 standard protocol lighting fixture
Control color: support single color, double color, three color, four color and multi-channel lamps
Pixel under control: ≥2000 pixel
Grey scale: 8Bits/12Bits/16Bits
Communication port: 4G
Communication protocol: TCP/IP protocol
On-line play: Yes
Storage medium: SD card≤32G
Wi-Fi Sync: support EXC-Y220C-S EXC-Y220C-SC series

Structure parameters

Shell material: high quality electro-galvanized steel sheet + powder injection
Surface color: black
Signal connector: dedicated EXC connector
Standard accessories: SD card×1/cardreader×1/AC power cord×1

Environment parameters

Operating temperature: -30℃-50℃
Storage Temperature: -40℃-70℃
Humidity range: 0%-90%
Protection rating: IP20

Available Models

| Series option	Model and spec	Feature	Operating voltage	Power	Size	Weight	Operating temperature
EXC-Y220	EXC-Y220C	Main and sub controller all-in-one machine, 2 port, all series of lamps, indoor, maximum 2000 pixels, standard configuration, AC synchronization, expandable	AC12V/DC 7.5V-24V	2W	157*105*24mm	0.5kg	-30℃-50℃
	EXC-Y220C-S	Main and sub controller all-in-one machine, 2 port, all series of lamps, indoor, maximum 2000 pixels, GPS synchronization, expandable		2W	157*105*24mm	0.5kg	-30℃-50℃
	EXC-Y220C-SC	Main and sub controller all-in-one machine, 2 port, all series of lamps, indoor, maximum 2000 pixels, GPS synchronization, expandable, 4G program delivery		8W	157*105*24mm	0.5kg	-30℃-50℃

EXC-2905T1
Sub controller series

🔲 Cloud Control System Connection Diagram

Swich

EXC-2905T1
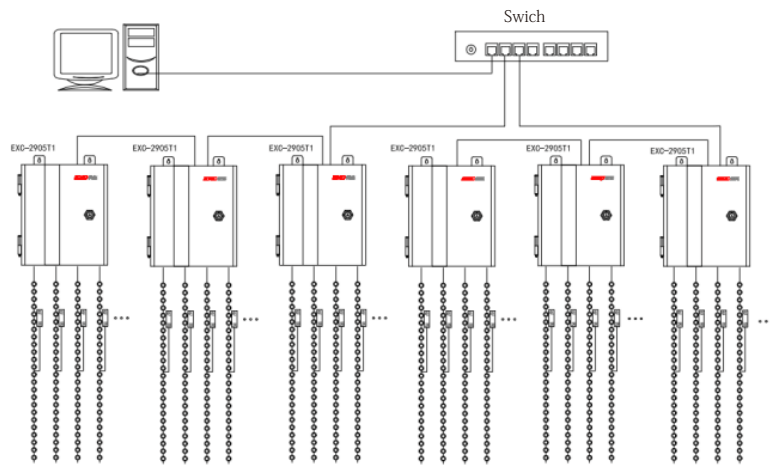
EXC-2905T1

🔲 Product Size   Unit：mm
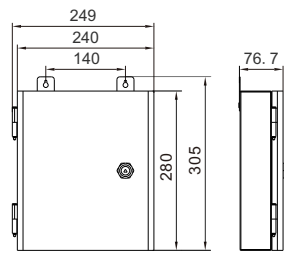
EXC-2905T1

🔲 Product Features

● To be used together with master controller;
● Support 8-port output, with each port controlling no more than 512 pixels;
● Support Ethernet interface and TCP/IP/UDP data communication protocols
● Support parallel connection of switches to reduce system cascading chain length and improve stability;
● Support synchronous control of multiple GPS satellites/BTS wireless base stations;
● Control no more than 60 frames/s of frame frequency and 65536 grades grey scale lighting fixture;
● Support standard DMX512/1990 general protocol and DMX512 extension protocol;
● Support three-primary-color independent brightness control to make the precise adjustment of white balance simpler and more effective;
● Support automatic, timed and preset festival effect play
● Support the mixed use of lighting fixtures in different types and protocols, to achieve high compatibility;
● Be provided with port enhancement type protective circuit to achieve better protection of port;
● Support the control over EXC full series lighting fixture

🔲 Control Parameters

Control method: EXC full series lighting fixture and DMX512 standard protocol lighting fixture
Output channel: 8 LED on-load output port
Pixel under control: 8×512 pixel
Grey scale: 8Bits/12Bits/16Bits
Communication port: 1000Mbps ethernet portx2
Communication protocol: TCP/IP protocol
On-line play: Yes
Storage medium: N/A
Wi-Fi Sync: Yes

🔲 Structure parameters

Shell material: high quality electro-galvanized steel sheet + powder injection
Surface color: black
Signal connector: dedicated EXC connector
Standard accessories: AC power cord×1

🔲 Environment parameters

Operating temperature: -30℃~50℃
Storage Temperature: -40℃~70℃
Humidity range: 0%-90%
Protection rating: IP5X

🔲 Available Model

Series Option	Model and Specs	Main Features	Operating Voltage	Power	Size	Weight	Operating Temperature
EXC-2905T1	EXC-2905T1	Generation 2, slave controller, 8 ports, DMX lighting fixture, IP54, 4,096 pixel	AC220V	15W	249*305*77mm	2.0kg	-30℃-50℃

EXC-S880
Sub controller series
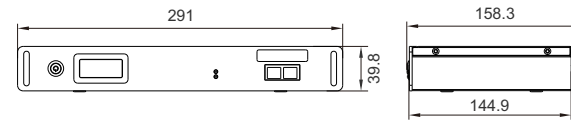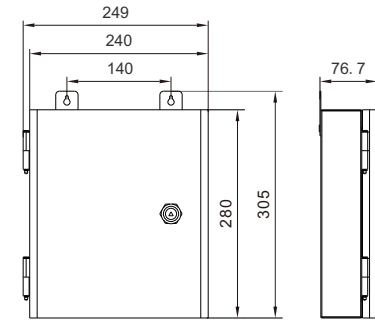
🔲 Cloud Control System Connection Diagram

EXC-S880B

EXC-S880A

Connect to the upper sub-controller   Use Cat 5 network cable, no more than 100 meters between controllers   Connect to the next sub-controller

sub-controller   sub-controller   sub-controller

Use Cat 5 network cable, no more than 80 meters from the port to the first light

🔲 Product Size   Unit：mm

291
158.3
39.8
144.9

EXC-S880B

249
240
140
76.7
280
305

EXC-S880A

🔲 Product Features

● To be used together with master controller.
● Support 8-port output, with each port controlling no more than 3072 channels.
● Support Ethernet interface and TCP/IP/UDP data communication protocols.
● Support parallel connection of switches to reduce system cascading chain length and improve stability.
● Support synchronous control of multiple GPS satellites/BTS wireless base stations.
● Control no more than 60 frames/s of frame frequency and 65536 grades grey scale lighting fixture.
● Support standard DMX512/1990 general protocol and DMX512 extension protocol.
● Support three-primary-color independent brightness control to make the precise adjustment of white balance simpler and more effective.
● Support automatic, timed and preset festival effect play.
● Support the mixed use of lighting fixtures in different types and protocols, to achieve high compatibility.
● Be provided with port enhancement type protective circuit to achieve better protection of port.
● Support the control over EXC full series lighting fixture.

🔲 Control Parameters

Control method: EXC full series lighting fixture and DMX512 standard protocol lighting fixture
Output channel: 8 LED on-load output port
Pixel under control: 8×1024 pixel
Grey scale: 8Bits/12Bits/16Bits
Communication port: 1000Mbps ethernet portx2
Communication protocol: TCP/IP protocol
On-line play: Yes
Storage medium: N/A
Wi-Fi Sync: Yes

🔲 Environment parameters

Operating temperature: -30℃~50℃
Storage Temperature: -40℃~70℃
Humidity range: 0%-90%
Protection rating: IP54(Type A) IP20(Type B)

🔲 Structure parameters

Shell material: high quality electro-galvanized steel sheet + powder injection
Surface color: black
Signal connector: dedicated EXC connector
Standard accessories: AC power cord×1

🔲 Available Model

Series Option	Model and Specs	Main Features	Operating Voltage	Power	Size	Weight	Operating Temperature
EXC-S880A	EXC-S880A-DR1	Sub controller, 8 port, tandem lighting fixture, outdoor, standard RDM protocol, standard 512 channels	AC220V	15W	249*305*77mm	2.0kg	-30℃-50℃
EXC-S880B	EXC-S880B-E4P007A	Sub controller, 8 port, tandem lighting fixture, indoor, 8192pixels maximum	AC220V	15W	291*145*40mm	1.2kg	-30℃-50℃
	EXC-S880B-E4P007B	Sub controller, 8 port, parallel lighting fixture, indoor, 8192pixels maximum	AC220V	15W	291*145*40mm	1.2kg	-30℃-50℃

EXC®

Architectural Landscape Lighting

- Pixel Light Series
- Wall Washer Light Series
- Flood Light Series
- Linear Light Series

PIXEL LIGHT SERIAL

MAIN TECHNICAL ADVANTAGES OF PRODUCTS

Lighting Control

State feedback: Supportive of the standard RDM and user-defined fault feedback protocol, capable of real-time feedback of such information as lamp operating voltage, temperature, current, power, manufacturer, etc.

High gray scale and high refresh rate: Gray scaling of more than 65536 grades; refresh rate of over 4K; no strobe during video shooting.

Dynamic light distribution: Intelligent dynamic adjustment of lightness by 10%-100% without any loss in gray scale; Adaptive brightness to different seasons and application scenarios without changing gray scale.

Power-on color: Capable of displaying any color in real-time tests under the condition of no signal; allowing emergency commissioning in the early stage of the project.

Wide-voltage power supply: Supportive of DC15-48V safe wide-voltage power supply scheme, completely solving the problem of voltage drop in long-distance power supply of high-rise buildings.

Optical Characteristics

Polarization: Equipped with the optical lens independently developed by EXC, providing comparatively high optical efficacy, wall washing height and consistency, free from color patch.

Wide view distance: Multi-level optical design, improving the optical efficacy and the near-far brightness consistency, an assurance for the harmony, health and comfort of light shows.

Lamp Structure

Thermal drive separation: Unique patented structural design, greatly improving heat dissipation efficiency and reliability.

Harmony with the surroundings in color: the color of the lamp body perfectly blends with the architectural background, weakening the influence of the lamp body on the appearance of the buildings.

Self-cleaning design: Unique lens design, avoiding accumulation of dust and sundries when used outdoors.

Automatic process: Subject to the automatic process design, greatly improving the production capacity, shortening the delivery period and improving the reliability of product quality.

PIXEL LIGHT NAMING RULE

P 5 3 A P 0

- Pixel light
- Width 53mm
- Installation with profiles
- Plastic bottom case
- Serial code 0
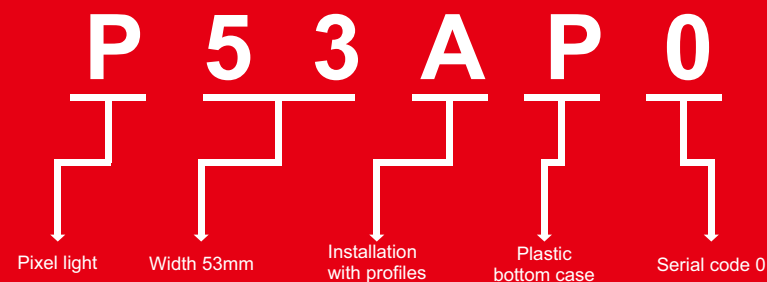
Product classification	Lamp width	Installation characteristics	Material	Product serial code
P: Pixel light	Named after the width of the product, in mm.	Installation mode: A: Installation with profile; B. Installation with mounting seat and steel wire C. Installation with front clip D. Installation with screw or adhesive; E. Installation with profile + steel wire; F. Installation with front-loading buckle + steel wire; G. Installation with front-loading buckle + steel wire + profile	P: Plastic bottom case M: Metal bottom case	Serial codes which represent lights with the same width, 0,1,2,3,4,5,6,7,8,9,A,B, C … Z

Testing and verification of pixel light series products (Taking P85DM0 3W 3000K as an example)

Reliability test items	High and low temperature cyclic lighting aging test	Double-85 lighting accelerated aging test	Dual-85 storage test
Reference standard	Refer to GB 7000.1-2015 "Luminaires -Part 1: General Requirements and Tests"; Refer to GB/T 7922-2008 " Method of Measuring the Color of Light Sources Color of Lighting Source"; Refer to GB/T 24824-2009 "Measurement Methods of LED Modules for General Lighting"; Refer to GB/T 9468-2008 General Requirements forPhotometry and Goniophotometry of Luminaires; Refer to GB/T 7002-2008 Photometry for Floodlight; Refer to GB/T 2423.3-2008 "Test C: Damp Heat, Steady State, IDT";Refer to the Management Specification of Guangdong Province for LED Lighting Product Benchmarking System		
Reliability test conditions	High temperature of 65°C, humidity 93%, low temperature -40°C environment lighting aging test.	High temperature 85°C, humidity 85%, lighting aging test.	High temperature 85°C, humidity 85%, storage test for 1000H.
Reliability test time	1000H	1000H	1000H
0H Before test			
1000H Post test			

Test comparison results	Color temperature (K)	3000±100K	20K deviation	16K deviation	26K deviation
	Color rendering index (Ra)	≥80Ra	0.6 deviation	0.6 deviation	0.3 deviation
	Color tolerance (SDCM)	< 5SDCM	0.3 deviation	0.9 deviation	1.2 deviation
	Luminous flux (lm)	> 3000lm	2.5% attenuation	5.0% attenuation	3.5% attenuation
	Luminous efficacy (lm/w)	≥80lm/w	2.5% attenuation	5.0% attenuation	3.5% attenuation

	Item	Inspection basis	Test result determination
Safety regulation item	Identification (product name, model, voltage, power, frequency, IP protection grade, electric shock protection category, manufacturer)	Clause 3.2 of GB7000.1-2015 and corresponding sub-standards	Pass
	External wiring and internal wiring (external wiring model, sectional area)	Clauses 5.2.1 and 5.2.2 of GB7000.1-2015 and corresponding sub-standards	Pass
	Insulation resistance and electrical strength, touch current and protective conductor current (including 48-hour moisture test)	Clause 10 of GB7000.1-2015 and corresponding sub-standards	Pass
	High and low temperature cycle, IP66 waterproof test	High temperature 65°C, humidity 93%,RH ~ low temperature -40°C, Hold for 2H each, carry out cyclic test, and carry out Ip66 waterproof test (one waterproof test) after the equipment returns to 65°C for 30 minutes; a total of 10 cycles.	Pass
	Windproof detection, and safety performance detection of installation accessories (anti-falling safety hinges)	GB7000.7-2005 Safety Requirements for Floodlights; Clause 4.14.1 of GB7000.1-2015	Pass
	Corrosion resistance test	GB/T 10125-2012 salt spray test 48H	Pass
Electromagnetic compatibility	9kHz-30MHz power supply terminal disturbance voltage	Clause 4.3 of GB/T 17743-2017	Pass
	9kHz-30MHz radiated electromagnetic disturbance	Clause 4.4.1 of GB/T 17743-2017	Pass
	30MHz-300MHz radiated electromagnetic disturbance	Clause 4.4.2 of GB/T 17743-2017 (Anechoic Chamber Method)	Pass
	Harmonic current emissions	Clause 7.3 of GB/T 17625.1-2012	Pass
	Electrostatic	Clause 5.2 of GB/T 18595-2014 GB/T 17626.2-2006	Pass
	Radiation immunity	Clause 5.3 of GB/T 18595-2014 GB/T 17626.3-2016	Pass
	Surge	Clause 5.7 of GB/T 18595-2014 GB/T 17626.5-2008	Pass

PIXEL LIGHT – GENERAL MOUNTING METHOD

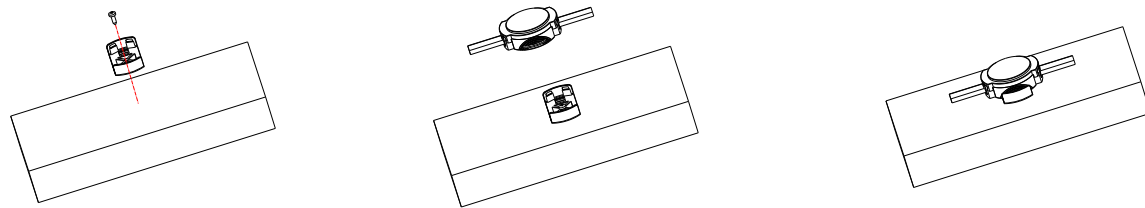## Installation with steel wires.

1. Install the mounting seat on steel wires.   2. Buckle the pixel light onto the mounting seat.   3. Finished Diagram.
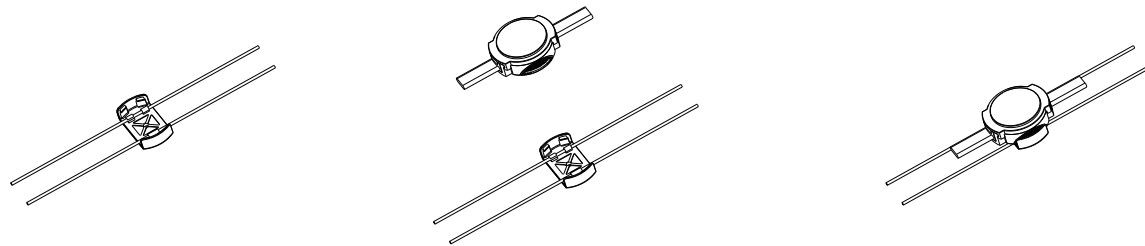
Installation with mounting seats

1. Fix the mounting seat on the mounting carrier by screws.   2. Buckle the pixel light on the mounting seat.   3. Finished Diagram.

Installation with single-side profiles

1. Lay the power line and network cable at the location of the pixel light   2. Place the light installed profile on the mounting carrier

3. Fix the single-side profile on the mounting carrier by screws   4. Finished Diagram

Installation with two-side profile

1. Fix the rear cover of the profile on the mounting carrier   2. Lay the power line and network cable within rear back of the profile   3. Cover the profile
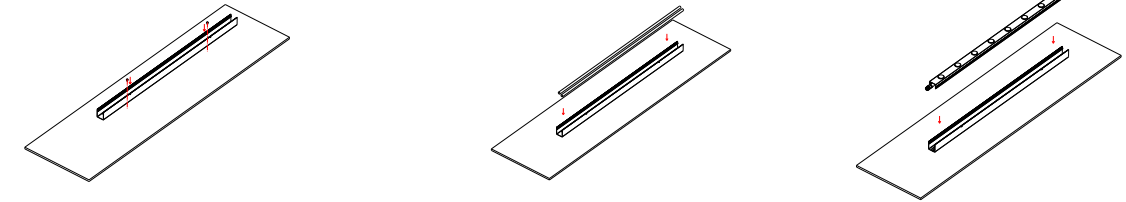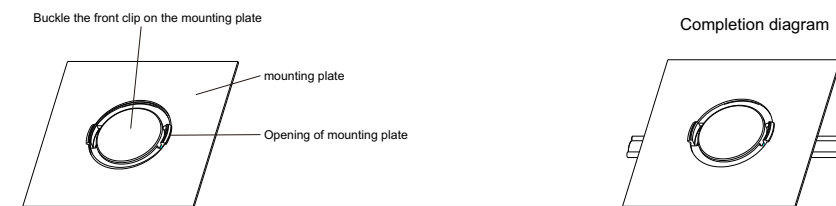
4. Fix the surface cover and rear cover at both sides with screws   5. Finished Diagram
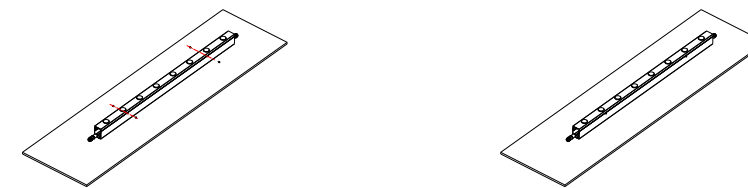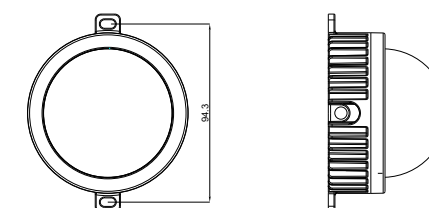
Installation with front clip

1.Buckle the front clip on the mounting plate   2.Fixed pixel light

Buckle the front clip on the mounting plate

mounting plate

Opening of mounting plate

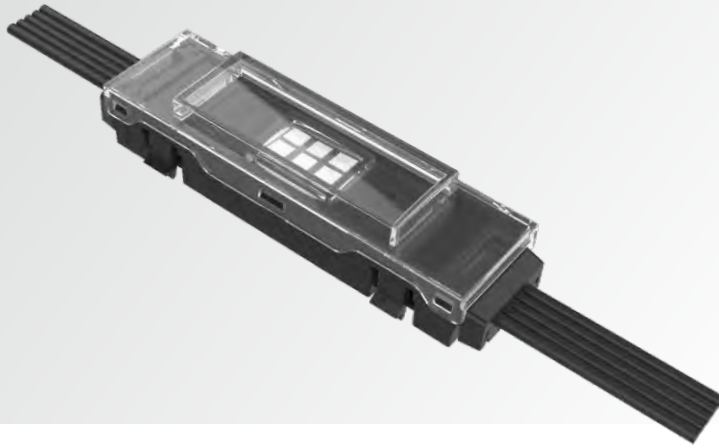Completion diagram

Installation with screws or adhesive

1. Fix the light on the carrier by screws or adhesive (completed on site)

EXC-P21AP1
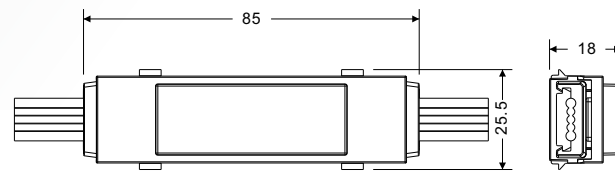## AP Series - Profile Installation

EXC-P21AP1 full-color series consists of professional ultra-narrow chip LED pixel lights specially designed by EXC for outdoor high-rise landscape lighting. It adopts top-level optical vision angle design, super remote multi-color and visual brightness consistency technology and close range anti-glare design. Each pixel is a separate four-primary lighting pixel, and each pixel can realize 65536 grades gray scale changing; they can be used for extra-large area display of building facades, contour shaping, interior and exterior surface decoration lighting; the pixel pitch can be customized; the installation methods are various.
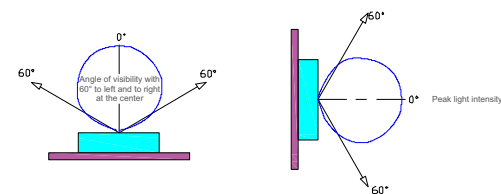
Product Features

● New-generation DMX512 parallel bus technology

● Integrated clip-on endless connection

● Fully sealed and waterproof design with high thermal conductive adhesive imported from Germany

● Outdoor lighting protection and electrostatic discharge (ESD) protection design
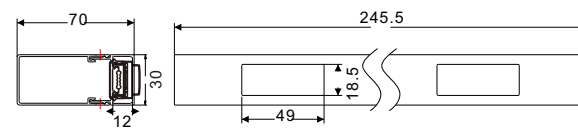
Product Size   Unit: mm

Light Distribution Curve

The blue curve is a schematic curve for light intensity.

Schematic Diagram of Installation Method

Installation with profiles

Basic Specifications
Color	W/RGB/RGB+W
Light source	SMD W/RGB 3in1 LED
Life	35,000h
Material	flame-retardant and weatherproof engineering plastic /PC lens
Weight	25g

Working conditions
Operating temperature	-40°C ~ 50°C
Storage temperature	-40°C ~ 70°C
Protection rating	IP66
Application environment	Outdoor

Electrical parameters
Operating Voltage	DC15V/24V
Maximum power	1.8W

Optical parameters
Beam angle	≥105°

Controller
Main Controller	EXC-Y220series,EXC-Y880series,EXC-M520series, EXC-5200series,EXC-6000series,EXC-8000series, EXC-10000series......
Sub Controller	EXC-S880,EXC-2905......

Available Models

Product model	Working voltage	Power	Light source	Angle	Control protocol	Gray scale	Material	Central light intensity	LED brand
P21AP1	DC15V	1.2W	4xW	105°	ON/OFF	/	Engineering plastics	≥20cd	Note 1
P21AP1	DC15V	0.9W	4xRGB	105°	DMX512	256/65536	Engineering plastics	≥7.5cd	Note 1
P21AP1	DC24V	1.5W	6xRGB	105°	DMX512	256/65536	Engineering plastics	≥12cd	Note 1
P21AP1	DC24V	1.8W	4xRGB+2xW	105°	DMX512	256/65536	Engineering plastics	≥15cd	Note 1

Note 1:LED Brand: Cree/Osram/Lumileds/Taiwan/Mainland   Note2: Above optical parameter＞2700K,Cree/Osram/Lumileds

EXC-P25AP2
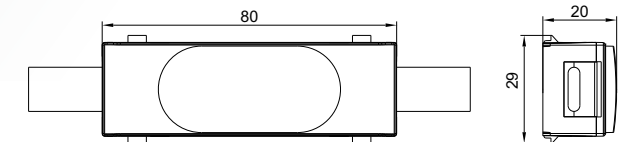## AP Series - Profile Installation

EXC-P25AP2 full-color series consists of professional ultra-narrow chip LED pixel lights specially designed by EXC for outdoor high-rise landscape lighting. It adopts top-level optical vision angle design, super remote multi-color and visual brightness consistency technology and close range anti-glare design. Each pixel is a separate four-primary lighting pixel, and each pixel can realize 65536 grades gray scale changing; they can be used for extra-large area display of building facades, contour shaping, interior and exterior surface decoration lighting; the pixel pitch can be customized; the installation methods are various.
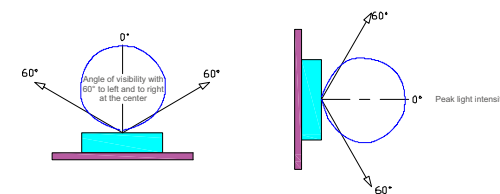
Product Features

● New-generation DMX512 parallel bus technology

● Integrated clip-on endless connection

● Fully sealed and waterproof design with high thermal conductive adhesive imported from Germany

● Outdoor lighting protection and electrostatic discharge (ESD) protection design

● Lamp shell snap installation, simple and compact cooperation, with profile installation

● Support DC48V remote power supply technology
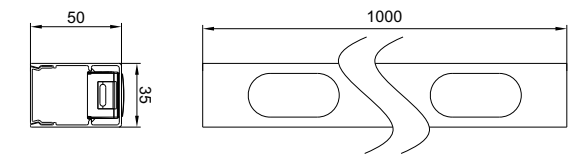
Product Size   Unit: mm

Light Distribution Curve

The blue curve is a schematic curve for light intensity.

Schematic Diagram of Installation Method

Installation with profiles

Basic Specifications
Color	W/RGB/RGB+W
Light source	SMD W/RGB 3in1 LED
Life	35,000h
Material	flame-retardant and weatherproof engineering plastic /PC lens
Weight	30g

Working conditions
Operating temperature	-40°C ~ 50°C
Storage temperature	-40°C ~ 70°C
Protection rating	IP66
Application environment	Outdoor

Electrical parameters
Operating Voltage	DC24V/48V
Maximum power	3W

Optical parameters
Beam angle	≥105°

Controller
Main Controller	EXC-Y220series,EXC-Y880series,EXC-M520series, EXC-5200series,EXC-6000series,EXC-8000series, EXC-10000series......
Sub Controller	EXC-S880,EXC-2905......

Available Models

Product model	Working voltage	Power	Light source	Angle	Control protocol	Gray scale	Material	Central light intensity	LED brand
P25AP2	DC24V	2.7W	6xRGB+3xW	105°	DMX512	256/65536	Engineering plastics	≥15cd	Note 1
P25AP2	DC48V	1W	4xRGB	105°	DMX512	256/65536	Engineering plastics	≥8cd	Note 1

Note 1:LED Brand: Cree/Osram/Lumileds/Taiwan/Mainland   Note2: Above optical parameter＞2700K,Cree/Osram/Lumileds

EXC-P35AP5
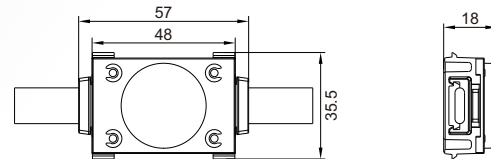## AP Series - Profile Installation

EXC-P35AP5 full-color series consists of full-color chip LED string pixel lights specially designed by EXC for outdoor landscape lighting. Each pixel is a separate lighting pixel, and each pixel can realize 65536 grades gray scale changing; they can be used for extra-large area display of building facades, contour shaping, interior and exterior surface decoration lighting; the pixel pitch can be customized; the installation methods are various.

Product Features

● New-generation DMX512 parallel bus technology

● Integrated clip-on endless connection

● Fully sealed and waterproof design with high thermal conductive adhesive imported from Germany

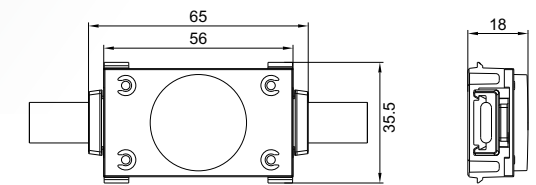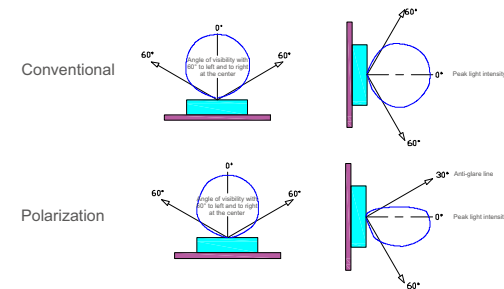● Outdoor lighting protection and electrostatic discharge (ESD) protection design
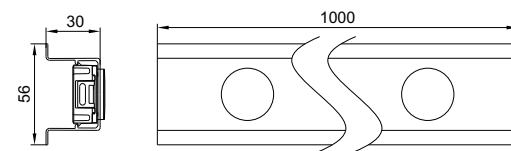
Product Size   Unit: mm

Light Distribution Curve

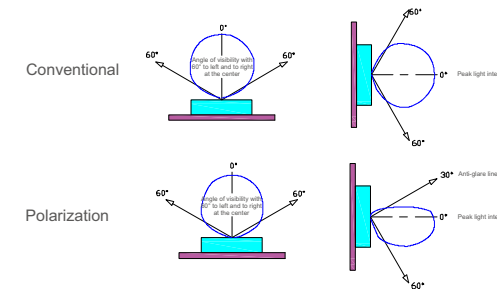The blue curve is a schematic curve for light intensity.

Conventional

Polarization

Schematic Diagram of Installation Method

Installation with profiles

Basic Specifications	
Color	W/RGB/RGB+W
Light source	SMD W/RGB 3in1 LED
Life	35,000h
Material	flame-retardant and weatherproof engineering plastic /PC lens
Weight	35g
Working conditions	
Operating temperature	-40℃ ~ 50℃
Storage temperature	-40℃ ~ 70℃
Protection rating	IP66
Application environment	Outdoor

Electrical parameters	
Operating Voltage	DC12V/15V
Maximum power	0.9W
Optical parameters	
Beam angle	≥110°
Controller	
Main Controller	EXC-Y220series,EXC-Y880series,EXC-M520series, EXC-5200series,EXC-6000series,EXC-8000series, EXC-10000series......
Sub Controller	EXC-S880,EXC-2905......

Available Models

Product model	Working voltage	Power	Light source	Angle	Control protocol	Gray scale	Material	Central light intensity	LED brand
P35AP5	DC15V	0.9W	3xW	110°	ON/OFF	/	Engineering plastics	≥15cd	Note 1
P35AP5	DC15V	0.9W	3xRGB	110°	DMX512	256/65536	Engineering plastics	≥7.5cd	Note 1
P35AP5	DC12V	0.9W	2xRGB+1xW	110°	DMX512	256/65536	Engineering plastics	≥8cd	Note 1

Note 1:LED Brand: Cree/Osram/Lumileds/Taiwan/Mainland   Note2: Above optical parameter > 2700K,Cree/Osram/Lumileds

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EXC-P35AP6
AP Series - Profile Installation

EXC-P35AP6 full-color series consists of full-color chip LED string pixel lights specially designed by EXC for outdoor landscape lighting. Each pixel is a separate lighting pixel, and each pixel can realize 65536 grades gray scale changing; they can be used for extra-large area display of building facades, contour shaping, interior and exterior surface decoration lighting; the pixel pitch can be customized; the installation methods are various.

Product Features

● New-generation DMX512 parallel bus technology

● Integrated clip-on endless connection

● Fully sealed and waterproof design with high thermal conductive adhesive imported from Germany

● Outdoor lighting protection and electrostatic discharge (ESD) protection design

Product Size   Unit: mm

Light Distribution Curve

The blue curve is a schematic curve for light intensity.

Conventional

Polarization

Schematic Diagram of Installation Method

Installation with profiles

Basic Specifications	
Color	W/RGB/RGB+W
Light source	SMD W/RGB 3in1 LED
Life	35,000h
Material	flame-retardant and weatherproof engineering plastic /PC lens
Weight	38g
Working conditions	
Operating temperature	-40℃ ~ 50℃
Storage temperature	-40℃ ~ 70℃
Protection rating	IP66
Application environment	Outdoor

Electrical parameters	
Operating Voltage	DC24V
Maximum power	1.8W
Optical parameters	
Beam angle	≥110°
Controller	
Main Controller	EXC-Y220series,EXC-Y880series,EXC-M520series, EXC-5200series,EXC-6000series,EXC-8000series, EXC-10000series......
Sub Controller	EXC-S880,EXC-2905......

Available Models

Product model	Working voltage	Power	Light source	Angle	Control protocol	Gray scale	Material	Central light intensity	LED brand
P35AP6	DC24V	1.5W	6xW	110°	ON/OFF	/	Engineering plastics	≥25cd	Note 1
P35AP6	DC24V	1.5W	6xRGB	110°	DMX512	256/65536	Engineering plastics	≥12.5cd	Note 1
P35AP6	DC24V	1.8W	4xRGB+2xW	110°	DMX512	256/65536	Engineering plastics	≥20cd	Note 1

Note 1:LED Brand: Cree/Osram/Lumileds/Taiwan/Mainland   Note2: Above optical parameter > 2700K,Cree/Osram/Lumileds
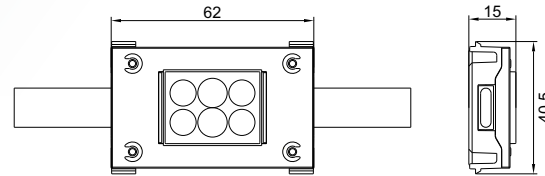
EXC-P40AP2
AP Series - Profile Installation

EXC-P40AP2 full-color series consists of professional chip LED pixel lights specially designed by EXC for outdoor high-rise landscape lighting. Each pixel is a separate lighting pixel, and each pixel can realize 65536 grades gray scale changing; they can be used for extra-large area display of building facades, contour shaping, interior and exterior surface decoration lighting; the pixel pitch can be customized; its installation is simple and reliable.
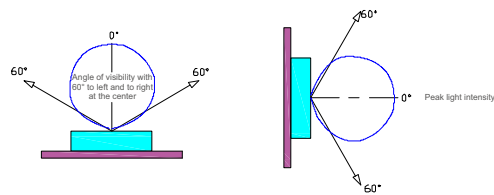
Product Features

● New-generation DMX512 parallel bus technology

● Integrated clip-on endless connection

● Fully sealed and waterproof design with high thermal conductive adhesive imported from Germany

● Outdoor lighting protection and electrostatic discharge (ESD) protection design

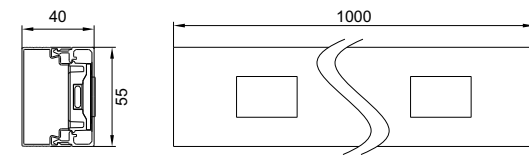### Product Size   Unit: mm

Light Distribution Curve

The blue curve is a schematic curve for light intensity.

Schematic Diagram of Installation Method

Installation with profiles

Basic Specifications	
Color	RGB+W
Light source	SMD W/RGB 3in1 LED
Life	35,000h
Material	flame-retardant and weatherproof engineering plastic /PC lens
Weight	35g
Working conditions	
Operating temperature	-40°C ~ 50°C
Storage temperature	-40°C ~ 70°C
Protection rating	IP66
Application environment	Outdoor

Electrical parameters	
Operating Voltage	Dc24
Maximum power	1.8W
Optical parameters	
Beam angle	≥120°
Controller	
Main Controller	EXC-Y220series,EXC-Y880series,EXC-M520series, EXC-5200series,EXC-6000series,EXC-8000series, EXC-10000series......
Sub Controller	EXC-S880,EXC-2905......

Available Models

Product model	Working voltage	Power	Light source	Angle	Control protocol	Gray scale	Material	Central light intensity	LED brand
P40AP2	DC24V	1.8W	4xRGB+2xW	120°	DMX512	256/65536	Engineering plastics	≥21cd	Note 1

Note 1:LED Brand: Cree/Osram/Lumileds/Taiwan/Mainland   Note2: Above optical parameter ＞2700K,Cree/Osram/Lumileds
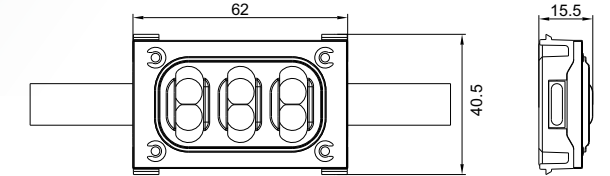

EXC-P40AP3
AP Series - Profile Installation

EXC-P40AP3 full-color series consists of professional chip LED pixel lights specially designed by EXC for outdoor high-rise landscape lighting. Each pixel is a separate lighting pixel, and each pixel can realize 65536 grades gray scale changing; they can be used for extra-large area display of building facades, contour shaping, interior and exterior surface decoration lighting; the pixel pitch can be customized; its installation is simple and reliable.

Product Features

● New-generation DMX512 parallel bus technology

● Integrated clip-on endless connection

● Fully sealed and waterproof design with high thermal conductive adhesive imported from Germany

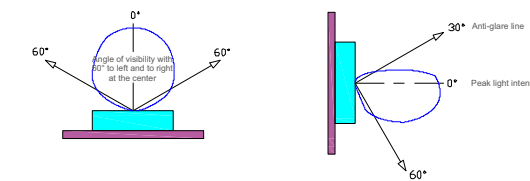● Outdoor lighting protection and electrostatic discharge (ESD) protection design

Product Size   Unit: mm

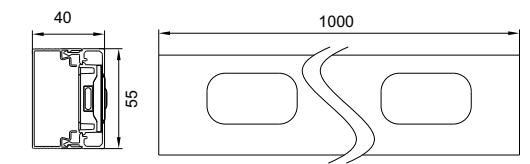### Light Distribution Curve

The blue curve is a schematic curve for light intensity.

Polarization

Schematic Diagram of Installation Method

Installation with profiles

Basic Specifications	
Color	W/RGB/RGB+W
Light source	SMD W/RGB 3in1 LED
Life	35,000h
Material	flame-retardant and weatherproof engineering plastic /PC lens
Weight	35g
Working conditions	
Operating temperature	-40°C ~ 50°C
Storage temperature	-40°C ~ 70°C
Protection rating	IP66
Application environment	Outdoor

Electrical parameters	
Operating Voltage	DC24V
Maximum power	1.8W
Optical parameters	
Beam angle	75*110°
Controller	
Main Controller	EXC-Y220series,EXC-Y880series,EXC-M520series, EXC-5200series,EXC-6000series,EXC-8000series, EXC-10000series......
Sub Controller	EXC-S880,EXC-2905......

Available Models

Product model	Working voltage	Power	Light source	Angle	Control protocol	Gray scale	Material	Central light intensity	LED brand
P40AP3	DC24V	1.8W	6xW	75*110°	ON/OFF	/	Engineering plastics	≥30cd	Note 1
P40AP3	DC24V	1.8W	4xRGB+2xW	75*110°	DMX512	256/65536	Engineering plastics	≥30cd	Note 1
P40AP3	DC24V	1.5W	6xRGB	75*110°	DMX512	256/65536	Engineering plastics	≥15cd	Note 1

Note 1:LED Brand: Cree/Osram/Lumileds/Taiwan/Mainland   Note2: Above optical parameter ＞2700K,Cree/Osram/Lumileds

EXC-P43AP2
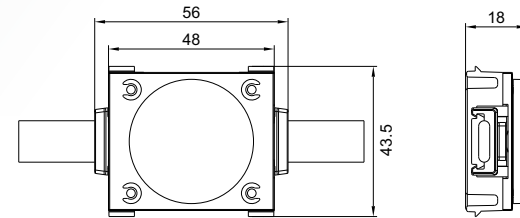## AP Series - Profile Installation

EXC-P43AP2 full-color series consists of full-color chip LED string pixel lights specially designed by EXC for outdoor landscape lighting. Each pixel is a separate lighting pixel, and each pixel can realize 65536 grades gray scale changing; they can be used for extra-large area display of building facades, contour shaping, interior and exterior surface decoration lighting; the pixel pitch can be customized; installation with profiles.
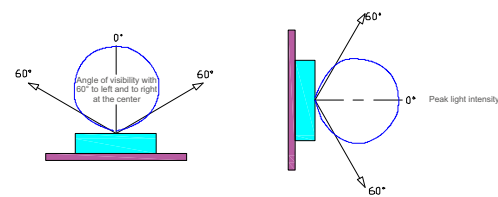
Product Features

● New-generation DMX512 parallel bus technology

● Integrated clip-on endless connection

● Fully sealed and waterproof design with high thermal conductive adhesive imported from Germany

● Outdoor lighting protection and electrostatic discharge (ESD) protection design

● Support DC48V remote power supply technology

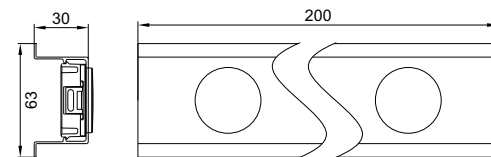### Product Size   Unit: mm

Light Distribution Curve

The blue curve is a schematic curve for light intensity.

Schematic Diagram of Installation Method

Installation with profiles

Basic Specifications	
Color	W/RGB/RGB+W
Light source	SMD W/RGB 3in1 LED
Life	35,000h
Material	flame-retardant and weatherproof engineering plastic /PC lens
Weight	40g
Working conditions	
Operating temperature	-40°C ~ 50°C
Storage temperature	-40°C ~ 70°C
Protection rating	IP66
Application environment	Outdoor

Electrical parameters	
Operating Voltage	DC15V/24V/48V
Maximum power	1.8W
Optical parameters	
Beam angle	≥110°
Controller	
Main Controller	EXC-Y220series,EXC-Y880series,EXC-M520series, EXC-5200series,EXC-6000series,EXC-8000series, EXC-10000series......
Sub Controller	EXC-S880,EXC-2905......

Available Models

Product model	Working voltage	Power	Light source	Angle	Control protocol	Gray scale	Material	Central light intensity	LED brand
P43AP2	DC24V	1.8W	6xW	110°	ON/OFF	/	Engineering plastics	≥30cd	Note 1
P43AP2	DC24V	1.5W	6xRGB	110°	DMX512	256/65536	Engineering plastics	≥15cd	Note 1
P43AP2	DC24V	1.8W	4xRGB+2xW	110°	DMX512	256/65536	Engineering plastics	≥22cd	Note 1
P43AP2	DC48V	1W	4xRGB	110°	DMX512	256/65536	Engineering plastics	≥10cd	Note 1

Note 1:LED Brand: Cree/Osram/Lumileds/Taiwan/Mainland   Note2: Above optical parameter > 2700K,Cree/Osram/Lumileds

EXC-P46AP2
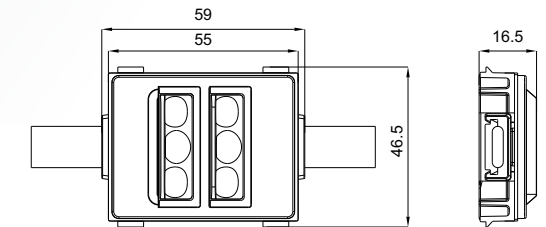## AP Series - Profile Installation

EXC-P46AP2 full-color series consists of full-color chip LED string pixel lights specially designed by EXC for outdoor landscape lighting. It adopts top-level optical vision angle design, super remote multi-color and visual brightness consistency technology and precision control. Each pixel is a separate four-primary lighting pixel, and each pixel can realize 65536 grades gray scale changing; they can be used for extra-large area display of building facades, contour shaping, interior and exterior surface decoration lighting; the pixel pitch can be customized; the installation methods are various.
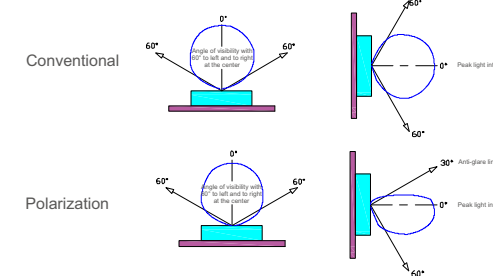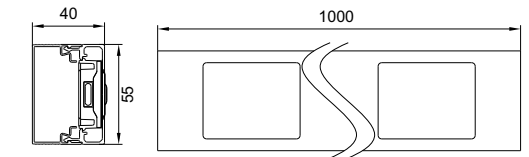
Product Features

● New-generation DMX512 parallel bus technology

● High gray scale, high wash, no-strobe design, delicate and soft colors

● Top-level optical vision angle, near and remote multi-color and visual brightness consistency design.

● Integrated clip-on endless connection

● Fully sealed and waterproof design with high thermal conductive adhesive imported from Germany

● Outdoor lighting protection and electrostatic discharge (ESD) protection design

● Support DC48V remote power supply technology

Product Size   Unit: mm

Light Distribution Curve

The blue curve is a schematic curve for light intensity.

Conventional

Polarization

Schematic Diagram of Installation Method

Installation with profiles

Basic Specifications	
Color	W/RGB/RGB+W
Light source	SMD W/RGB 3in1 LED
Life	35,000h
Material	flame-retardant and weatherproof engineering plastic /PC lens
Weight	45g
Working conditions	
Operating temperature	-40°C ~ 50°C
Storage temperature	-40°C ~ 70°C
Protection rating	IP66
Application environment	Outdoor

Electrical parameters	
Operating Voltage	DC24V/48V
Maximum power	2.7W
Optical parameters	
Beam angle	≥120°
Controller	
Main Controller	EXC-Y220series,EXC-Y880series,EXC-M520series, EXC-5200series,EXC-6000series,EXC-8000series, EXC-10000series......
Sub Controller	EXC-S880,EXC-2905......

Available Models

Product model	Working voltage	Power	Light source	Angle	Control protocol	Gray scale	Material	Central light intensity	LED brand
P46AP2	DC24V	1.8W	6xW	120°/80°*120°Polarization	ON/OFF	/	Engineering plastics	≥30cd	Note 1
P46AP2	DC24V	1.5W	6xRGB	120°/80°*120°Polarization	DMX512	256/65536	Engineering plastics	≥15cd	Note 1
P46AP2	DC24V	1.8W	4xRGB+2xW	120°/80°*120°Polarization	DMX512	256/65536	Engineering plastics	≥22cd	Note 1
P46AP2	DC24V	2.7W	6xRGB+3xW	120°	DMX512	256/65536	Engineering plastics	≥33cd	Note 1
P46AP2	DC48V	1.5W	4xRGB+2xW	120°	DMX512	256/65536	Engineering plastics	≥18cd	Note 1

Note 1:LED Brand: Cree/Osram/Lumileds/Taiwan/Mainland   Note2: Above optical parameter > 2700K,Cree/Osram/Lumileds

EXC-P53AP2

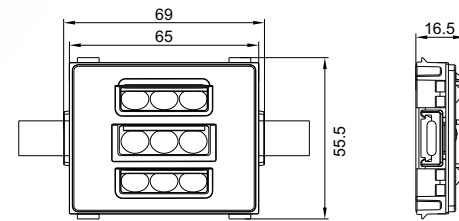AP Series - Profile Installation

EXC-P53AP2 full-color series consists of full-color chip LED string pixel lights specially designed by EXC for outdoor landscape lighting. It adopts top-level optical vision angle design, super remote multi-color and visual brightness consistency technology and precision control. Each pixel is a separate four-primary lighting pixel, and each pixel can realize 65536 grades gray scale changing; they can be used for extra-large area display of building facades, contour shaping, interior and exterior surface decoration lighting; the pixel pitch can be customized; the installation methods are various.
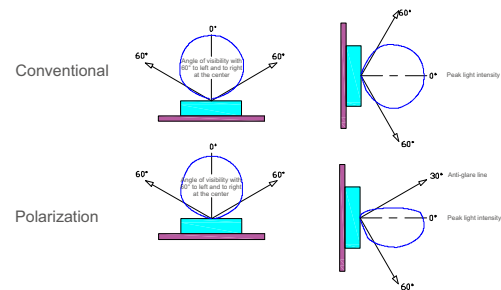
Product Features

● New-generation DMX512 parallel bus technology
● Close range anti-glare optical design
● Integrated clip-on endless connection
● Fully sealed and waterproof design with high thermal conductive adhesive imported from Germany
● Outdoor lighting protection and electrostatic discharge (ESD) protection design
● Support DC48V remote power supply technology

Product Size   Unit: mm

Light Distribution Curve

The blue curve is a schematic curve for light intensity.

Conventional

Polarization

Schematic Diagram of Installation Method

Installation with profiles

Basic Specifications

Basic Specifications	
Color	W/RGB/RGB+W
Light source	SMD W/RGB 3in1 LED
Life	35,000h
Material	flame-retardant and weatherproof engineering plastic /PC lens
Weight	55g
Working conditions	
Operating temperature	-40℃ ~ 50℃
Storage temperature	-40℃ ~ 70℃
Protection rating	IP66
Application environment	Outdoor

Electrical parameters	
Operating Voltage	DC15V/24V/48V
Maximum power	3W
Optical parameters	
Beam angle	120°,70*120°,80*120°
Controller	
Main Controller	EXC-Y220series,EXC-Y880series,EXC-M520series, EXC-5200series,EXC-6000series,EXC-8000series, EXC-10000series......
Sub Controller	EXC-S880,EXC-2905......

Available Models

Product model	Working voltage	Power	Light source	Angle	Control protocol	Gray scale	Material	Central light intensity	LED brand
P53AP2	DC24V	2.7W	9xW	120°/70°*120°/ 80°*120°Polarization	ON/OFF	/	Engineering plastics	≥45cd	Note 1
P53AP2	DC15V	2.7W	9xRGB		DMX512	256/65536	Engineering plastics	≥27cd	Note 1
P53AP2	DC24V	2.7W	6xRGB+3xW		DMX512	256/65536	Engineering plastics	≥36.5cd	Note 1
P53AP2	DC48V	2.7W	6xRGB+3xW	120°	DMX512	256/65536	Engineering plastics	≥36.5cd	Note 1

Note 1:LED Brand: Cree/Osram/Lumileds/Taiwan/Mainland   Note2: Above optical parameter > 2700K,Cree/Osram/Lumileds

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EXC-P35BP0

BP Series-Installation with mounting seats/front clip/steel wires

EXC-P35BP0 series are a SMT LED transparent pixel light specially designed by EXC for outdoor landscape lighting. Each pixel is a separate lighting pixel. They can be used for product display, atmosphere decoration, scene ornament, man-machine interaction, smart home and other fields; the pixel pitch can be customized.

Product Features

● New-generation DMX512 parallel bus technology
● Integrated clip-on endless connection
● High transparency, high waterproof, high appearance level design
● Fully sealed and waterproof design with high thermal conductive adhesive imported from Germany
● Outdoor lighting protection and electrostatic discharge (ESD) protection design

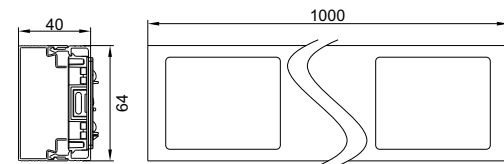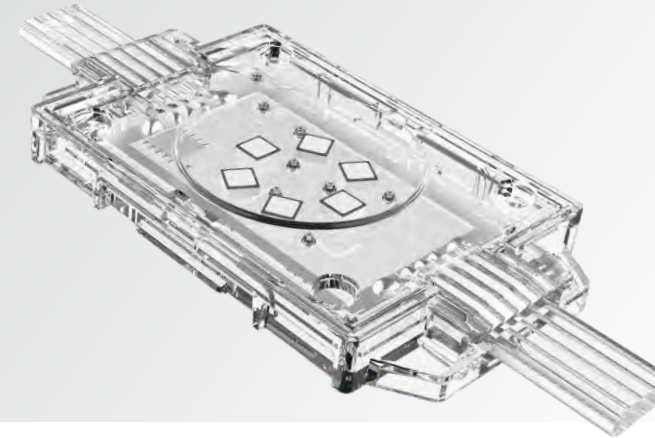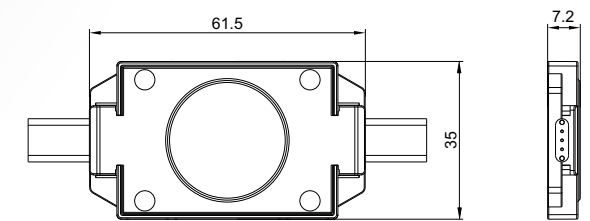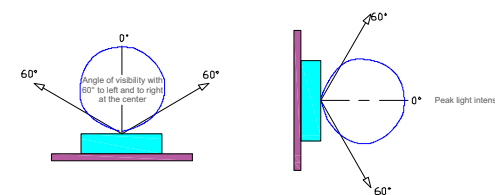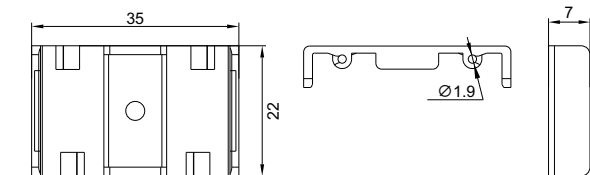## Product Size   Unit: mm

Light Distribution Curve

The blue curve is a schematic curve for light intensity.

Schematic Diagram of Installation Method

Installation with profiles

Basic Specifications	
Color	RGB
Light source	SMD RGB 3in1 LED
Life	35,000h
Material	flame-retardant and weatherproof engineering plastic /PC lens
Weight	20g
Working conditions	
Operating temperature	-40℃ ~ 50℃
Storage temperature	-40℃ ~ 70℃
Protection rating	IP66
Application environment	Outdoor

Electrical parameters	
Operating Voltage	DC24V
Maximum power	1.4W
Optical parameters	
Beam angle	≥110°
Controller	
Main Controller	EXC-Y220series,EXC-Y880series,EXC-M520series, EXC-5200series,EXC-6000series,EXC-8000series, EXC-10000series......
Sub Controller	EXC-S880,EXC-2905......

Available Models

Product model	Working voltage	Power	Light source	Angle	Control protocol	Gray scale	Material	Central light intensity	LED brand
P35BP0	DC24V	1.4W	6xRGB	110°	DMX512	256/65536	Engineering plastics	≥10cd	Note 1
P35BP0	DC15V	0.9W	4xRGB	110°	DMX512	256/65536	Engineering plastics	≥7.5cd	Note 1

Note 1:LED Brand: Cree/Osram/Lumileds/Taiwan/Mainland   Note2: Above optical parameter > 2700K,Cree/Osram/Lumileds

EXC-P22GP4

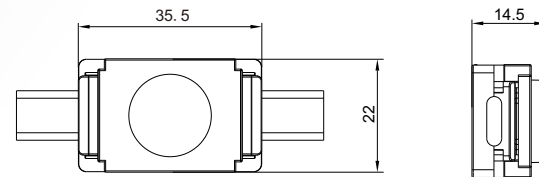GP Series-Installation with mounting seats/front clip/steel wires

EXC-P22GP4 full-color series consists of professional ultra-narrow chip LED pixel lights specially designed by EXC for outdoor high-rise landscape lighting. It adopts top-level optical vision angle design, super remote multi-color and visual brightness consistency technology and close range anti-glare design. Each pixel is a separate four-primary lighting pixel, and each pixel can realize 65536 grades gray scale changing; they can be used for extra-large area display of building façades, contour shaping, interior and exterior surface decoration lighting; the pixel pitch can be customized; the installation methods are various.
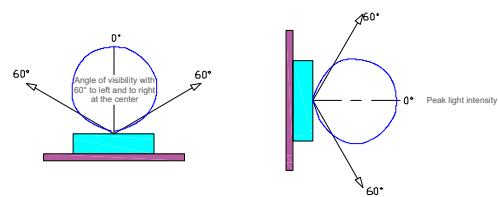
Product Features

● New-generation DMX512 parallel bus technology

● Integrated clip-on endless connection

● Fully sealed and waterproof design with high thermal conductive adhesive imported from Germany

● Outdoor lighting protection and electrostatic discharge (ESD) protection design

● Support DC48V remote power supply technology
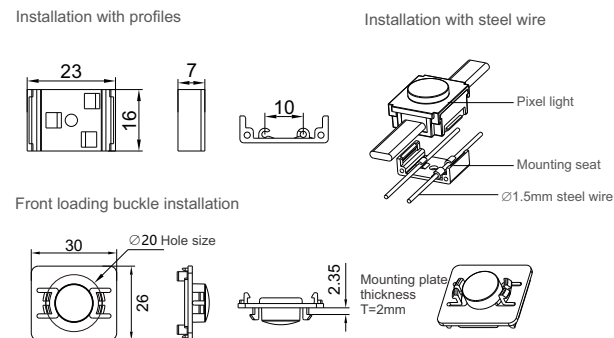
Product Size   Unit: mm

Light Distribution Curve

The blue curve is a schematic curve for light intensity.

Schematic Diagram of Installation Method

Installation with profiles

Installation with steel wire

Pixel light
Mounting seat
∅1.5mm steel wire

Front loading buckle installation

∅20 Hole size

Mounting plate thickness T=2mm

Basic Specifications

Color	W/RGB
Light source	SMD W/RGB 3in1 LED
Life	35,000h
Material	flame-retardant and weatherproof engineering plastic /PC lens
Weight	10g

Working conditions

Operating temperature	-40°C ~ 50°C
Storage temperature	-40°C ~ 70°C
Protection rating	IP66
Application environment	Outdoor

Electrical parameters

Operating Voltage	DC5V
Maximum power	0.3W

Optical parameters

Beam angle	≥95°

Controller

Main Controller	EXC-Y220series,EXC-Y880series,EXC-M520series, EXC-5200series,EXC-6000series,EXC-8000series, EXC-10000series......
Sub Controller	EXC-S880,EXC-2905......

Available Models

Product model	Working voltage	Power	Light source	Angle	Control protocol	Gray scale	Material	Central light intensity	LED brand
P22GP4	DC5V	0.3W	1xW	95°	ON/OFF	/	Engineering plastics	≥5.0cd	Note 1
P22GP4	DC5V	0.3W	1xRGB	95°	DMX512	256/65536	Engineering plastics	≥2.5cd	Note 1

Note 1:LED Brand: Cree/Osram/Lumileds/Taiwan/Mainland   Note2: Above optical parameter ＞2700K,Cree/Osram/Lumileds

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EXC-P28GP1

GP Series-Installation with mounting seats/front clip/steel wires
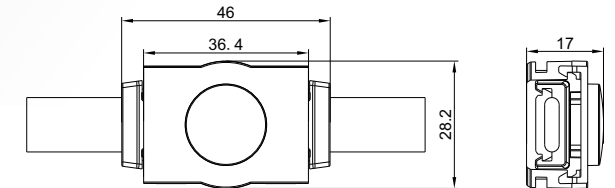
EXC-P28GP1 full-color series consists of professional ultra-narrow chip LED pixel lights specially designed by EXC for outdoor high-rise landscape lighting. It adopts top-level optical vision angle design, super remote multi-color and visual brightness consistency technology and close range anti-glare design; each pixel is a separate four-primary color lighting pixel, and each pixel can realize 65536 grades gray scale changing; they can be used for extra-large area display of building façades, contour shaping, interior and exterior surface decoration lighting; the pixel pitch can be customized; the installation methods are various.
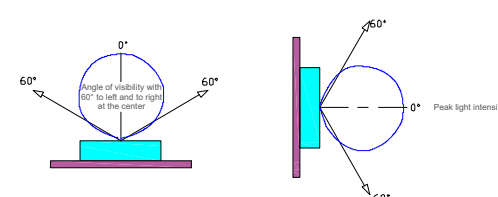
Product Features

● New-generation DMX512 parallel bus technology

● Integrated clip-on endless connection

● Fully sealed and waterproof design with high thermal conductive adhesive imported from Germany

● Outdoor lighting protection and electrostatic discharge (ESD) protection design
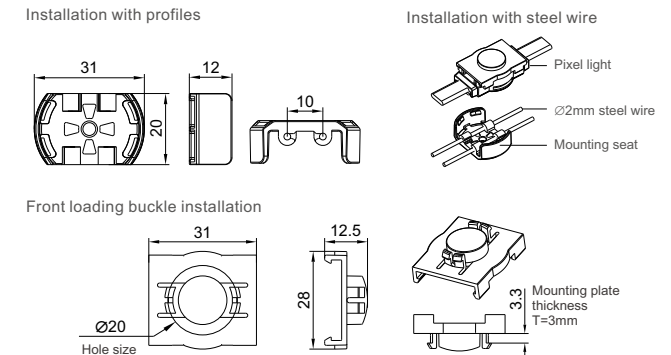
Product Size   Unit: mm

Light Distribution Curve

The blue curve is a schematic curve for light intensity.

Schematic Diagram of Installation Method

Installation with profiles

Installation with steel wire

Pixel light
∅2mm steel wire
Mounting seat

Front loading buckle installation

∅20 Hole size

Mounting plate thickness T=3mm

Basic Specifications

Color	W/RGB/RGB+W
Light source	SMD RGB 3in1 LED
Life	35,000h
Material	flame-retardant and weatherproof engineering plastic /PC lens
Weight	20g

Working conditions

Operating temperature	-40°C ~ 50°C
Storage temperature	-40°C ~ 70°C
Protection rating	IP66
Application environment	Outdoor

Electrical parameters

Operating Voltage	DC5V/12V
Maximum power	0.6W

Optical parameters

Beam angle	≥105°

Controller

Main Controller	EXC-Y220series,EXC-Y880series,EXC-M520series, EXC-5200series,EXC-6000series,EXC-8000series, EXC-10000series......
Sub Controller	EXC-S880,EXC-2905......

Available Models

Product model	Working voltage	Power	Light source	Angle	Control protocol	Gray scale	Material	Central light intensity	LED brand
P28GP1	DC12V	0.6W	2xW	95°	ON/OFF	/	Engineering plastics	≥10cd	Note 1
P28GP1	DC12V	0.6W	2xRGB	95°	DMX512	256/65536	Engineering plastics	≥5cd	Note 1
P28GP1	DC5V	0.6W	1xRGB+1xW	95°	DMX512	256/65536	Engineering plastics	≥5cd	Note 1

Note 1:LED Brand: Cree/Osram/Lumileds/Taiwan/Mainland   Note2: Above optical parameter ＞2700K,Cree/Osram/Lumileds

EXC-P33GP1

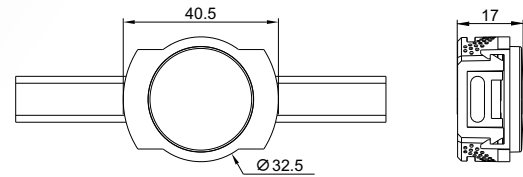GP Series-Installation with mounting seats/front clip/steel wires

EXC-P33GP1 series consists of full-color chip LED string pixel lights specially designed by EXC for outdoor landscape lighting. Each pixel is a separate lighting pixel, and each pixel can realize 65536 grades gray scale changing; they can be used for extra-large area display of building façades, contour shaping, interior and exterior surface decoration lighting; the pixel pitch can be customized; the installation methods are various.
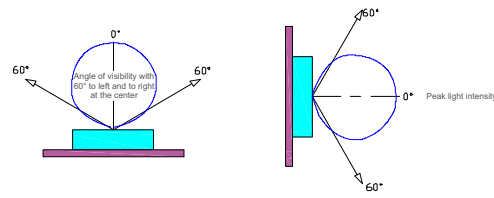
Product Features

● New-generation DMX512 parallel bus technology

● Integrated clip-on endless connection

● Fully sealed and waterproof design with high thermal conductive adhesive imported from Germany

● Outdoor lighting protection and electrostatic discharge (ESD) protection design

● The product is flexible, adaptable to various application conditions with optional installation methods.

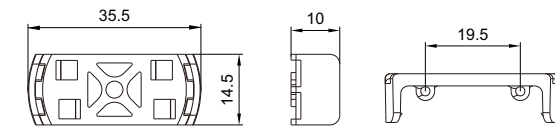## Product Size   Unit: mm

Light Distribution Curve

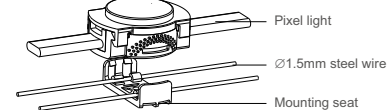The blue curve is a schematic curve for light intensity.

Schematic Diagram of Installation Method

Installation with profiles

Installation with steel wire

Pixel light
∅1.5mm steel wire
Mounting seat

Basic Specifications	
Color	W/RGB/RGB+W
Light source	SMD W/RGB 3in1 LED
Life	35,000h
Material	flame-retardant and weatherproof engineering plastic /PC lens
Weight	24g
Working conditions	
Operating temperature	-40℃ ~ 50℃
Storage temperature	-40℃ ~ 70℃
Protection rating	IP66
Application environment	Outdoor

Electrical parameters	
Operating Voltage	DC12V/15V
Maximum power	1W
Optical parameters	
Beam angle	≥105°
Controller	
Main Controller	EXC-Y220series,EXC-Y880series,EXC-M520series, EXC-5200series,EXC-6000series,EXC-8000series, EXC-10000series......
Sub Controller	EXC-S880,EXC-2905......

Available Models

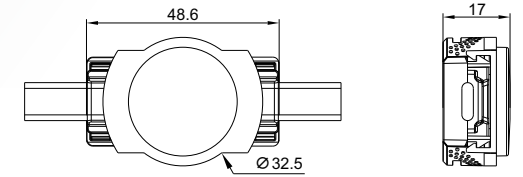| Product model	Working voltage	Power	Light source	Angle	Control protocol	Gray scale	Material	Central light intensity	LED brand
P33GP1	DC15V	0.9W	3xW	95°	ON/OFF	/	Engineering plastics	≥15cd	Note 1
P33GP1	DC15V	0.9W	3xRGB	95°	DMX512	256/65536	Engineering plastics	≥7.5cd	Note 1
P33GP1	DC12V	1W	2xRGB+1xW	95°	DMX512	256/65536	Engineering plastics	≥8cd/10.5cd	Note 1

Note 1:LED Brand: Cree/Osram/Lumileds/Taiwan/Mainland   Note2: Above optical parameter > 2700K,Cree/Osram/Lumileds

EXC-P33GP2

GP Series-Installation with mounting seats/front clip/steel wires

EXC-P33GP2 series consists of full-color chip LED string pixel lights specially designed by EXC for outdoor landscape lighting. Each pixel is a separate lighting pixel, and each pixel can realize 65536 grades gray scale changing; they can be used for extra-large area display of building façades, contour shaping, interior and exterior surface decoration lighting; the pixel pitch can be customized; the installation methods are various.
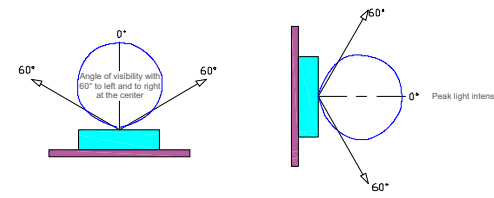
Product Features

● New-generation DMX512 parallel bus technology

● Integrated clip-on endless connection

● Fully sealed and waterproof design with high thermal conductive adhesive imported from Germany

● Outdoor lighting protection and electrostatic discharge (ESD) protection design

● The product is flexible, adaptable to various application conditions with optional installation methods.

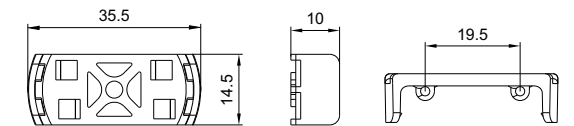## Product Size   Unit: mm

Light Distribution Curve

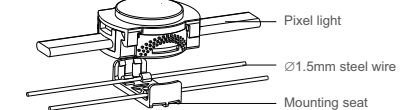The blue curve is a schematic curve for light intensity.

Schematic Diagram of Installation Method

Installation with profiles

Installation with steel wire

Pixel light
∅1.5mm steel wire
Mounting seat

Basic Specifications	
Color	W/RGB/RGB+W
Light source	SMD RGB 3in1 LED
Life	35,000h
Material	flame-retardant and weatherproof engineering plastic /PC lens
Weight	24g
Working conditions	
Operating temperature	-40℃ ~ 50℃
Storage temperature	-40℃ ~ 70℃
Protection rating	IP66
Application environment	Outdoor

Electrical parameters	
Operating Voltage	DC12V/15V
Maximum power	1W
Optical parameters	
Beam angle	≥105°
Controller	
Main Controller	EXC-Y220series,EXC-Y880series,EXC-M520series, EXC-5200series,EXC-6000series,EXC-8000series, EXC-10000series......
Sub Controller	EXC-S880,EXC-2905......

Available Models

Product model	Working voltage	Power	Light source	Angle	Control protocol	Gray scale	Material	Central light intensity	LED brand
P33GP2	DC15V	0.9W	3xW	95°	ON/OFF	/	Engineering plastics	≥15cd	Note 1
P33GP2	DC15V	0.9W	3xRGB	95°	DMX512	256/65536	Engineering plastics	≥7.5cd	Note 1
P33GP2	DC12V	1W	2xRGB+1xW	95°	DMX512	256/65536	Engineering plastics	≥8cd/10.5cd	Note 1

Note 1:LED Brand: Cree/Osram/Lumileds/Taiwan/Mainland   Note2: Above optical parameter > 2700K,Cree/Osram/Lumileds

EXC-P42GP3
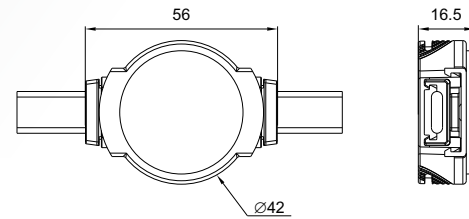
GP Series-Installation with mounting seats/front clip/steel wires

EXC-P42GP03 series consists of full-color chip LED string pixel lights specially designed by EXC for outdoor landscape lighting. Each pixel is a separate lighting pixel, and each pixel can realize 65536 grades gray scale changing; they can be used for extra-large area display of building façades, contour shaping, interior and exterior surface decoration lighting; the pixel pitch can be customized; the installation methods are various.
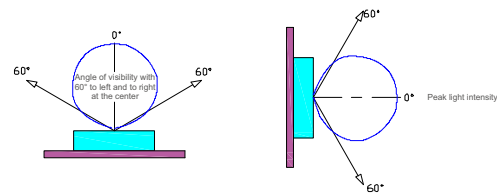
Product Features

● New-generation DMX512 parallel bus technology
● Integrated clip-on endless connection
● Fully sealed and waterproof design with high thermal conductive adhesive imported from Germany
● Outdoor lighting protection and electrostatic discharge (ESD) protection design
● The product is flexible, adaptable to various application conditions with optional installation methods.

Product Size   Unit: mm

Light Distribution Curve

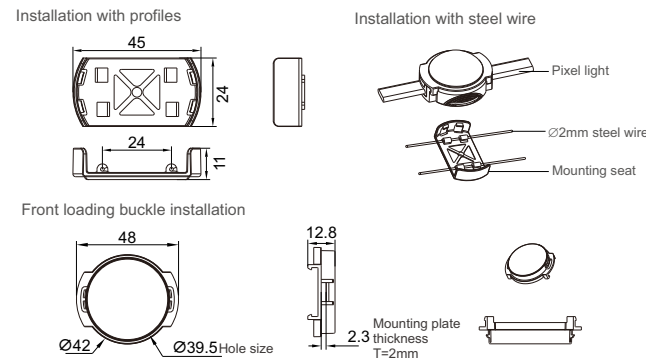The blue curve is a schematic curve for light intensity.

Basic Specifications

Color	W/RGB/RGB+W
Light source	SMD W/RGB 3in1 LED
Life	35,000h
Material	flame-retardant and weatherproof engineering plastic /PC lens
Weight	35g
Working conditions	
Operating temperature	-40°C ~ 50°C
Storage temperature	-40°C ~ 70°C
Protection rating	IP66
Application environment	Outdoor

Schematic Diagram of Installation Method

Installation with profiles

Installation with steel wire

Pixel light

∅2mm steel wire

Mounting seat

Front loading buckle installation

Mounting plate thickness T=2mm

Electrical parameters

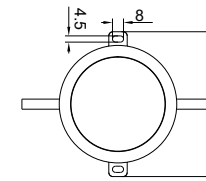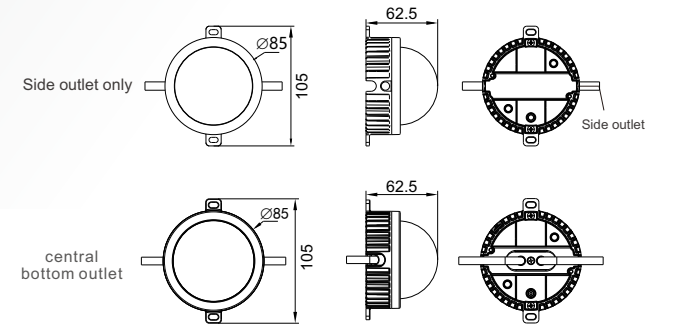| Operating Voltage	DC15V/24V
Maximum power	1.8W
Optical parameters	
Beam angle	≥110°
Controller	
Main Controller	EXC-Y220series,EXC-Y880series,EXC-M520series, EXC-5200series,EXC-6000series,EXC-8000series, EXC-10000series......
Sub Controller	EXC-S880,EXC-2905......

Available Models

Product model	Working voltage	Power	Light source	Angle	Control protocol	Gray scale	Material	Central light intensity	LED brand
P42GP3	DC24V	1.8W	6xW	110°	ON/OFF	/	Engineering plastics	≥30cd	Note 1
P42GP3	DC24V	1.5W	6xRGB	110°	DMX512	256/65536	Engineering plastics	≥15cd	Note 1
P42GP3	DC15V	1.2W	3xRGB+3xW	110°	DMX512	256/65536	Engineering plastics	≥16cd	Note 1
P42GP3	DC24V	1.8W	4xRGB+2xW	110°	DMX512	256/65536	Engineering plastics	≥22cd	Note 1

Note 1:LED Brand: Cree/Osram/Lumileds/Taiwan/Mainland   Note2: Above optical parameter ＞2700K,Cree/Osram/Lumileds

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EXC-P85DM0

DM Series- Installation by Screws /Adhesive

EXC-P85DM0 series consists of full-color chip LED string pixel lights specially designed by EXC for outdoor landscape lighting. It adopts top-level optical vision angle design, super remote multi-color and visual brightness consistency technology and precision control. Each pixel is a separate four-primary color lighting pixel, and each pixel can realize 65536 grades gray scale changing; they can be used for extra-large area display of building façades, contour shaping, interior and exterior surface decoration lighting; the pixel pitch can be customized; the installation methods are various.

Side outlet only

central bottom outlet

Schematic Diagram of Installation Method

Installation by screw or adhesive

Basic Specifications

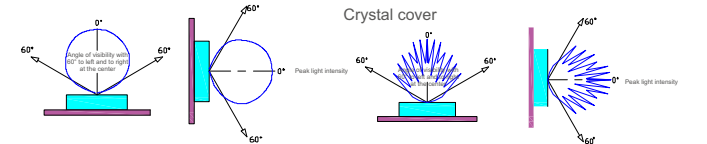| Color	W/RGB/RGB+W
Light source	SMD RGB 3in1 LED
Life	35,000h
Material	flame-retardant and weatherproof engineering plastic /PC lens
Weight	250g
Working conditions	
Operating temperature	-40°C ~ 50°C
Storage temperature	-40°C ~ 70°C
Protection rating	IP66
Application environment	Outdoor

Product Features

● New-generation DMX512 parallel bus technology
● Integrated clip-on endless connection
● Fully sealed and waterproof design with high thermal conductive adhesive imported from Germany
● Outdoor lighting protection and electrostatic discharge (ESD) protection design
● Support DC48V remote power supply technology

Product Size   Unit: mm

Side outlet only

Side outlet

central bottom outlet

Light Distribution Curve

The blue curve is a schematic curve for light intensity.

Crystal cover

Electrical parameters

Operating Voltage	DC24V/48V
Maximum power	6W
Optical parameters	
Beam angle	≥110°
Controller	
Main Controller	EXC-Y220series,EXC-Y880series,EXC-M520series, EXC-5200series,EXC-6000series,EXC-8000series, EXC-10000series......
Sub Controller	EXC-S880,EXC-2905......

Available Models

Product model	Working voltage	Power	Light source	Angle	Control protocol	Gray scale	Material	Central light intensity	LED brand
P85DM0	DC24V	3W	12xW	110°/120°	ON/OFF	/	Aluminium	≥58cd	Note 1
P85DM0	DC24V	6W	18xW	110°/120°	ON/OFF	/	Aluminium	≥100cd	Note 1
P85DM0	DC24V	3W	12xRGB	110°/120°	DMX512	256/65536	Aluminium	≥30cd	Note 1
P85DM0	DC24V	4W	18xRGB	110°/120°	DMX512	256/65536	Aluminium	≥40cd	Note 1
P85DM0	DC24V	5W	24xRGB	110°/120°	DMX512	256/65536	Aluminium	≥50cd	Note 1
P85DM0	DC24V	3W	6xRGB+6xW	110°/120°	DMX512	256/65536	Aluminium	≥40cd	Note 1
P85DM0	DC24V	5W	12xRGB+6xW	110°/120°	DMX512	256/65536	Aluminium	≥61cd	Note 1
P85DM0	DC48V	3W	12xRGB	110°/120°	DMX512	256/65536	Engineering plastics	≥30cd	Note 1
P85DM0	DC48V	3W	12xW	110°/120°	DMX512	256/65536	Engineering plastics	≥58cd	Note 1
P85DM0	DC48V	5W	18xW	110°/120°	DMX512	256/65536	Engineering plastics	≥80cd	Note 1

Note 1:LED Brand: Cree/Osram/Lumileds/Taiwan/Mainland   Note2: Above optical parameter ＞2700K,Cree/Osram/Lumileds

EXC-P95DM1

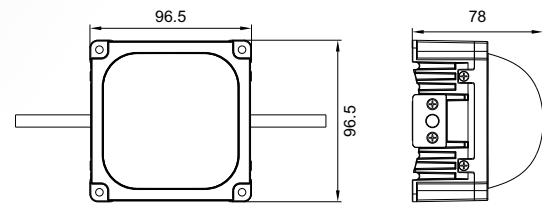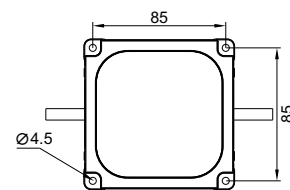DM Series- Installation by Screws /Adhesive

EXC-P95DM1 series consists of full-color chip LED string pixel lights specially designed by EXC for outdoor landscape lighting. It adopts top-level optical vision angle design, super remote multi-color and visual brightness consistency technology and precision control. Each pixel is a separate four-primary color lighting pixel, and each pixel can realize 65536 grades gray scale changing; they can be used for extra-large area display of building façades, contour shaping, interior and exterior surface decoration lighting; the pixel pitch can be customized; the installation methods are various.

Crystal cover

PC transparent lampshade

Product Features

● New-generation DMX512 parallel bus technology

● High gray scale, high wash, no-strobe design, delicate and soft colors

● Integrated clip-on endless connection

● Fully sealed and waterproof design with high thermal conductive adhesive imported from Germany

● Outdoor lighting protection and electrostatic discharge (ESD) protection design
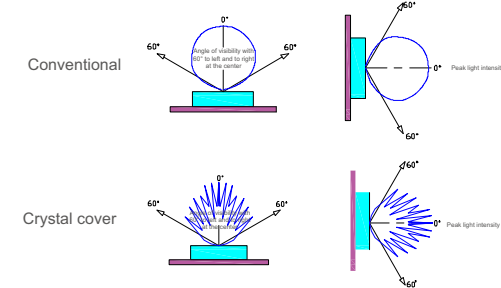
Product Size   Unit: mm

96.5   78

96.5

Light Distribution Curve

The blue curve is a schematic curve for light intensity.

Conventional

Crystal cover

Schematic Diagram of Installation Method

Installation by screw or adhesive

85

85

Ø4.5

Basic Specifications

Basic Specifications	
Color	W/RGB+W
Light source	SMD W/RGB 3in1 LED
Life	35,000h
Material	High-strength die-cast aluminum/PC lens
Weight	600g
Working conditions	
Operating temperature	-40℃ ~ 50℃
Storage temperature	-40℃ ~ 70℃
Protection rating	IP66
Application environment	Outdoor

Electrical parameters

Electrical parameters	
Operating Voltage	DC24V
Maximum power	15W
Optical parameters	
Beam angle	≥120°（Transparent cover）
Controller	
Main Controller	EXC-Y220series,EXC-Y880series,EXC-M520series, EXC-5200series,EXC-6000series,EXC-8000series, EXC-10000series......
Sub Controller	EXC-S880,EXC-2905......

Available Models

Product model	Working voltage	Power	Light source	Angle	Control protocol	Gray scale	Material	Central light intensity	LED brand
P95DM1	DC24V	15W	24xW	105°(Crystal cover)/120°	ON/OFF	/	Aluminium	≥250cd	Note 1
P95DM1	DC24V	15W	6xRGB+12xW	105°(Crystal cover)/120°	DMX512	65536	Aluminium	≥250cd	Note 1

Note 1:LED Brand: Cree/Osram/Lumileds/Taiwan/Mainland   Note2: Above optical parameter ＞2700K,Cree/Osram/Lumileds

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EXC-P130DM0

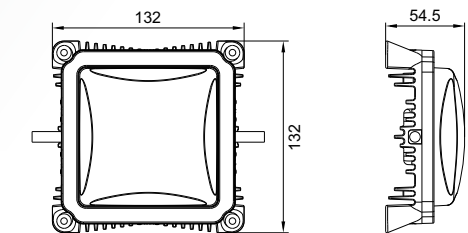DM Series- Installation by Screws /Adhesive

EXC-P130DM0 series consists of full-color chip LED string pixel lights specially designed by EXC for outdoor landscape lighting. It adopts top-level optical vision angle design, super remote multi-color and visual brightness consistency technology and precision control. Each pixel is a separate four-primary color lighting pixel, and each pixel can realize 65536 grades gray scale changing; they can be used for extra-large area display of building façades, contour shaping, interior and exterior surface decoration lighting; the pixel pitch can be customized; the installation methods are various.
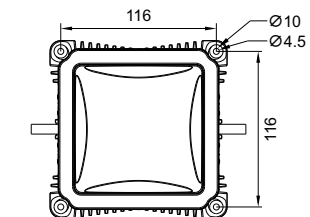
Product Features

● New-generation DMX512 parallel bus technology

● High gray scale, high wash, no-strobe design, delicate and soft colors

● Integrated clip-on endless connection

● Fully sealed and waterproof design with high thermal conductive adhesive imported from Germany

● Outdoor lighting protection and electrostatic discharge (ESD) protection design
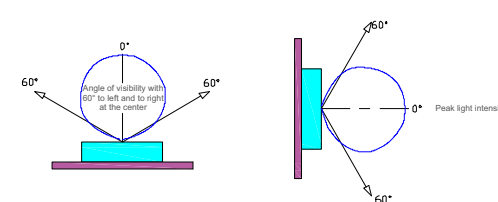
Product Size   Unit: mm

132   54.5

132

Light Distribution Curve

The blue curve is a schematic curve for light intensity.

Schematic Diagram of Installation Method

Installation by screw or adhesive

116

Ø10
Ø4.5

116

Basic Specifications

Basic Specifications	
Color	W/RGB/RGB+W
Light source	SMD RGB 3in1 LED
Life	35,000h
Material	High-strength die-cast aluminum/PC lens
Weight	520g
Working conditions	
Operating temperature	-40℃ ~ 50℃
Storage temperature	-40℃ ~ 70℃
Protection rating	IP66
Application environment	Outdoor

Electrical parameters

Electrical parameters	
Operating Voltage	DC24V
Maximum power	9W
Optical parameters	
Beam angle	≥120°
Controller	
Main Controller	EXC-Y220series,EXC-Y880series,EXC-M520series, EXC-5200series,EXC-6000series,EXC-8000series, EXC-10000series......
Sub Controller	EXC-S880,EXC-2905......

Available Models

Product model	Working voltage	Power	Light source	Angle	Control protocol	Gray scale	Material	Central light intensity	LED brand
P130DM0	DC24V	6W	24xW	110°/120°	ON/OFF	/	Aluminium	≥116.5cd	Note 1
P130DM0	DC24V	9W	36xW	110°/120°	ON/OFF	/	Aluminium	≥150cd	Note 1
P130DM0	DC24V	5W	24xRGB	110°/120°	DMX512	65536	Aluminium	≥50cd	Note 1
P130DM0	DC24V	8W	36xRGB	110°/120°	DMX512	65536	Aluminium	≥80cd	Note 1
P130DM0	DC24V	9W	24xRGB+12xW	110°/120°	DMX512	65536	Aluminium	≥110cd	Note 1

Note 1:LED Brand: Cree/Osram/Lumileds/Taiwan/Mainland   Note2: Above optical parameter ＞2700K,Cree/Osram/Lumileds
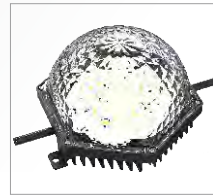
EXC-P150DM0

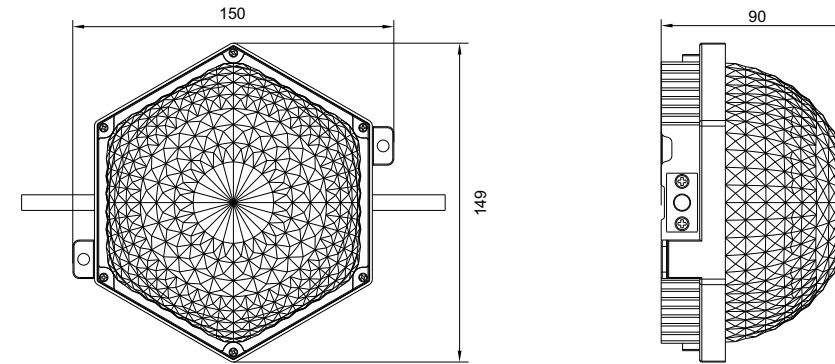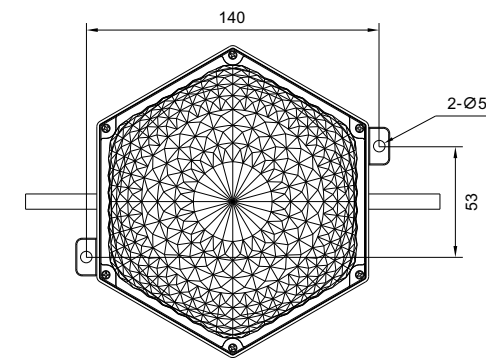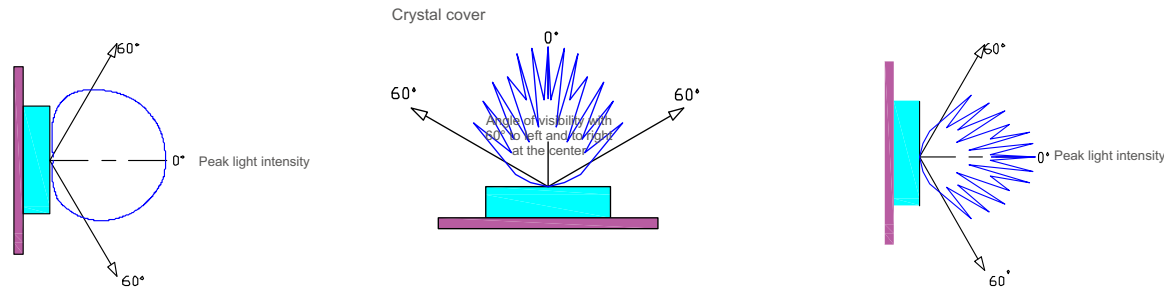DM Series- Installation by
Screws /Adhesive

EXC-P150DM0 series consists of full-color chip LED string pixel lights specially designed by EXC for outdoor landscape lighting. Each pixel is a separate lighting pixel, and each pixel can realize 65536 grades gray scale changing; they can be usedfor extra-large area display of building façades, contour shaping, interior and exterior surface decoration lighting; the pixel pitch can be customized; the installation is simple and reliable.

Product Features

● New-generation DMX512 parallel bus technology

● Integrated clip-on endless connection

● Fully sealed and waterproof design with high thermal conductive adhesive imported from Germany

● Outdoor lighting protection and electrostatic discharge (ESD) protection design

Light Distribution Curve

The blue curve is a schematic curve for light intensity.

Crystal cover

0° Peak light intensity

Angle of visibility from 60° to left and/or right at the center

0° Peak light intensity

Basic Specifications	
Color	W/RGB
Light source	SMD W/RGB 3in1 LED
Life	35,000h
Material	High-strength die-cast aluminum/PC lens
Weight	600g
Working conditions	
Operating temperature	-40℃ ~ 50℃
Storage temperature	-40℃ ~ 70℃
Protection rating	IP66
Application environment	Outdoor

Electrical parameters	
Operating Voltage	DC24V
Maximum power	8W(RGB)/9W(W)
Optical parameters	
Beam angle	≥105°
Controller	
Main Controller	EXC-Y220series,EXC-Y880series,EXC-M520series, EXC-5200series,EXC-6000series,EXC-8000series, EXC-10000series......
Sub Controller	EXC-S880,EXC-2905......

Product Size   Unit: mm

150   90   149

Schematic Diagram of Installation Method

Installation by screw or adhesive

140   2-Ø5.5   53

Available Models

Product model	Working voltage	Power	Light source	Angle	Control protocol	Gray scale	Material	Central light intensity	LED brand
P150DM0	DC24V	8W	36xRGB	110°/120°	DMX512	65536	Aluminium	≥25cd	Note 1
P150DM0	DC24V	9W	36xW	110°/120°	DMX512	65536	Aluminium	≥80cd	Note 1
P150DM0	DC24V	9W	36xW	110°/120°	ON/OFF	/	Aluminium	≥80cd	Note 1

Note 1:LED Brand: Cree/Osram/Lumileds/Taiwan/Mainland   Note2: Above optical parameter > 2700K,Cree/Osram/Lumileds

WALL WASHER LIGHT SERIES

MAIN TECHNICAL ADVANTAGES OF PRODUCTS

Lighting Control

State feedback: Supportive of the standard RDM and user-defined fault feedback protocol, capable of real-time feedback of such information as lamp operating voltage, temperature, current, power, manufacturer, etc.

High gray scale and high refresh rate: Gray scaling of more than 65536 grades; refresh rate of over 4K; no strobe during video shooting.

Dynamic light distribution: Intelligent dynamic adjustment of lightness by 10%-100% without any loss in gray scale; Adaptive brightness to different seasons and application scenarios without changing gray scale.

Power-on color: Capable of displaying any color in real-time tests under the condition of no signal; allowing emergency commissioning in the early stage of the project.

Wide-voltage power supply: Supportive of DC15-48V safe wide-voltage power supply scheme, completely solving the problem of voltage drop in long-distance power supply of high-rise buildings.

Optical Characteristics

Polarization: Equipped with the optical lens independently developed by EXC, providing comparatively high optical efficacy, wall washing height and consistency, free from color patch.

Wide view distance: Multi-level optical design, improving the optical efficacy and the near-far brightness consistency, an assurance for the harmony, health and comfort of light shows.

Lamp Structure

Thermal drive separation: Unique patented structural design, greatly improving heat dissipation efficiency and reliability.

Harmony with the surroundings in color: the color of the lamp body perfectly blends with the architectural background, weakening the influence of the lamp body on the appearance of the buildings.

Self-cleaning design: Unique lens design, avoiding accumulation of dust and sundries when used outdoors.

Automatic process: Subject to the automatic process design, greatly improving the production capacity, shortening the delivery period and improving the reliability of product quality.

WALL WASHER LIGHT NAMING RULE

W 5 0 F B L

- Wall washer light
- Width 50mm
- Ultra-thin wall washer light
- Basic model
- Low voltage
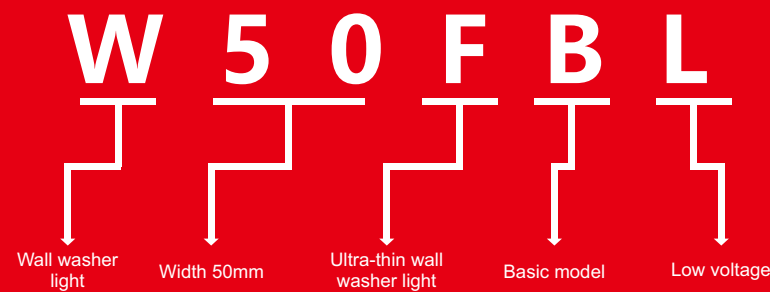
Product classification	Lamp width	Installation characteristics	Derivative feature	High and low pressure
W: wall washer light	Named after the width of the product, in mm.	F: Ultra-thin wall washer light H: High optical efficiency wall washer light G: Built-in anti-glare wall washer light D: Diamond wall washer light	B: basic model; L: with wings; R: Glare Shield	L: low voltage; H: high voltage

Testing and verification of wall washer light series products (taking W45CBL 36W 3000K as an example)

Reliability test items	High and low temperature cyclic lighting aging test	Double-85 lighting accelerated aging test	Dual-85 storage test
Reference standard	Refer to GB 7000.1-2015 "Luminaires -Part 1: General Requirements and Tests"; Refer to GB/T 7922-2008 " Method of Measuring the Color of Light Sources Color of Lighting Source"; Refer to GB/T 24824-2009 "Measurement Methods of LED Modules for General Lighting"; Refer to GB/T 9468-2008 General Requirements forPhotometry and Goniophotometry of Luminaires; Refer to GB/T 7002-2008 Photometry for Floodlight; Refer to GB/T 2423.3-2008 "Test C: Damp Heat, Steady State, IDT";Refer to the Management Specification of Guangdong Province for LED Lighting Product Benchmarking System		
Reliability test conditions	High temperature of 65°C, humidity 93%, low temperature -40°C environment lighting aging test.	High temperature 85°C, humidity 85%, lighting aging test.	High temperature 85°C, humidity 85%, storage test for 1000H.
Reliability test time	1000H	1000H	1000H
0H Before test			
1000H Post test			

Test comparison results	Color temperature (K)	3000±100K	20K deviation	42K deviation	66K deviation
	Color rendering index (Ra)	≥80Ra	0.3 deviation	0.4 deviation	0.1 deviation
	Color tolerance (SDCM)	< 5SDCM	3.5% attenuation	0.8 deviation	2.5% attenuation
	Luminous flux (lm)	> 3000lm	0.5 deviation	3.7% attenuation	0.6 deviation
	Luminous efficacy (lm/w)	≥80lm/w	3.5% attenuation	3.7% attenuation	2.5% attenuation

	Item	Inspection basis	Test result determination
Safety regulation item	Identification (product name, model, voltage, power, frequency, IP protection grade, electric shock protection category, manufacturer)	Clause 3.2 of GB7000.1-2015 and corresponding sub-standards	Pass
	External wiring and internal wiring (external wiring model, sectional area)	Clauses 5.2.1 and 5.2.2 of GB7000.1-2015 and corresponding sub-standards	Pass
	Insulation resistance and electrical strength, touch current and protective conductor current (including 48-hour moisture test)	Clause 10 of GB7000.1-2015 and corresponding sub-standards	Pass
	High and low temperature cycle, IP66 waterproof test	High temperature 65°C, humidity 93%,RH ~ low temperature -40°C, Hold for 2H each, carry out cyclic test, and carry out Ip66 waterproof test (one waterproof test) after the equipment returns to 65°C for 30 minutes; a total of 10 cycles.	Pass
	Windproof detection, and safety performance detection of installation accessories (anti-falling safety hinges)	GB7000.7-2005 Safety Requirements for Floodlights; Clause 4.14.1 of GB7000.1-2015	Pass
	Corrosion resistance test	GB/T 10125-2012 salt spray test 48H	Pass
Electromagnetic compatibility	9kHz-30MHz power supply terminal disturbance voltage	Clause 4.3 of GB/T 17743-2017	Pass
	9kHz-30MHz radiated electromagnetic disturbance	Clause 4.4.1 of GB/T 17743-2017	Pass
	30MHz-300MHz radiated electromagnetic disturbance	Clause 4.4.2 of GB/T 17743-2017 (Anechoic Chamber Method)	Pass
	Harmonic current emissions	Clause 7.3 of GB/T 17625.1-2012	Pass
	Electrostatic	Clause 5.2 of GB/T 18595-2014 GB/T 17626.2-2006	Pass
	Radiation immunity	Clause 5.3 of GB/T 18595-2014 GB/T 17626.3-2016	Pass
	Surge	Clause 5.7 of GB/T 18595-2014 GB/T 17626.5-2008	Pass

EXC-CW22
C series-Preferred wall washer light

EXC-CW22 series is a high-strength aluminum alloy shell specially designed for outdoor landscape lighting by EXC-LED. The strip low-power wall washer light can be used to paint specific lighting areas or landscapes, and is used in building facades, bridges, stage, etc.; the length of the lamp can provide a variety of specifications to choose from.

Product Features

● Ultra-narrow design, width is only 22 mm
● High-strength aluminum lamp body with low thermal resistance path heat dissipation design
● Waterproof design of full potting with German imported glue
● Outdoor lighting protection and electrostatic discharge (ESD) protection design
● Wall washing height: 0.5-1 meter

Product Size   Unit: mm

1000

22
41

Light Distribution Curve

C0/180 40°
C90/270 25°

Schematic Diagram of Installation Method

Use M4 expansion screws to fix the mounting seats to the required positions as shown in the figure. The specific spacing shall be length of lights.

Mounting screw
Lamp
Mounting carrier
Mounting bracket

Basic Specifications	
Color	W
Light source	SMD W LED
Life	35,000h
Material	High-strength aluminum alloy/aluminum cover/transparent lamp cover
Weight	0.58kg(PC cover)
Working conditions	
Operating temperature	-40°C ~ 50°C
Storage temperature	-40°C ~ 70°C
Protection rating	IP66
Application environment	Outdoor

Electrical parameters	
Operating Voltage	DC24V
Maximum power	12W
Optical parameters	
Beam angle	25*40°
Controller	
Main Controller	-
Sub Controller	-

Available Models

Product model	Working voltage	Power	Light source	Angle	Control protocol	Gray scale	Material	Energy efficiency value	LED brand
CW22CBL	DC24V	12W	36xW	25*40°	ON/OFF	/	Aluminum housing	≥65 lm/w	Note 1
CW22CBL	DC24V	12W	48xW	25*40°	ON/OFF	/	Aluminum housing	≥65 lm/w	Note 1

Note 1:LED Brand: Cree/Osram/Lumileds/Taiwan/Mainland   Note2: Above optical parameter > 2700K,Cree/Osram/Lumileds

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EXC-CW30
C series-Preferred wall washer light

EXC-CW30 series is a high-strength aluminum alloy shell specially designed for outdoor landscape lighting by EXC-LED. The strip low-power wall washer light can be used to paint specific lighting areas or landscapes, and is used in building facades, bridges, stage, etc.; the length of the lamp can provide a variety of specifications to choose from.

Product Features

● Ultra-narrow design, width is only 30 mm
● High-strength aluminum lamp body with low thermal resistance path heat dissipation design
● Full structure waterproof design
● Outdoor lighting protection and electrostatic discharge (ESD) protection design
● Wall washing height: 1-1.5 meter

Product Size   Unit: mm

998

30
46

Light Distribution Curve

C0/180 20°
C90/270 20°

Schematic Diagram of Installation Method

Use M4 expansion screws to fix the mounting seats to the required positions as shown in the figure. The specific spacing shall be length of lights.

Mounting screw
Lamp
Mounting carrier
Mounting bracket

Basic Specifications	
Color	W
Light source	SMD W LED
Life	35,000h
Material	High-strength aluminum alloy/tempered glass
Weight	0.75kg
Working conditions	
Operating temperature	-40°C ~ 50°C
Storage temperature	-40°C ~ 70°C
Protection rating	IP66
Application environment	Outdoor
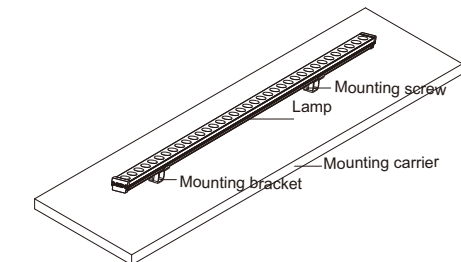
Electrical parameters	
Operating Voltage	DC24V
Maximum power	12W
Optical parameters	
Beam angle	20°
Controller	
Main Controller	-
Sub Controller	-

Available Models

Product model	Working voltage	Power	Light source	Angle	Control protocol	Gray scale	Material	Energy efficiency value	LED brand
CW30CBL	DC24V	12W	36xW	20°	ON/OFF	/	Aluminum housing	≥65 lm/w	Note 1

Note 1:LED Brand: Cree/Osram/Lumileds/Taiwan/Mainland   Note2: Above optical parameter > 2700K,Cree/Osram/Lumileds

EXC-CW35

C series-Preferred wall washer light
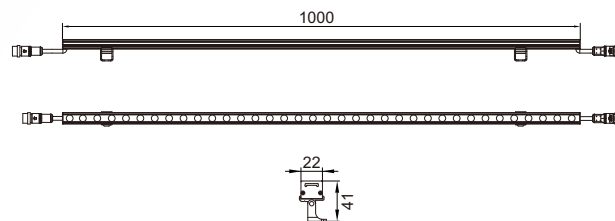
EXC-CW35 series is a high-strength aluminum alloy shell specially designed for outdoor landscape lighting, strip high-power wall washer light light lamp; it can be used in specific lighting areas or landscape coloring, and is applied to building facades and bridges. , Stage, etc.; the length of the lamp can provide a variety of specifications to choose from.
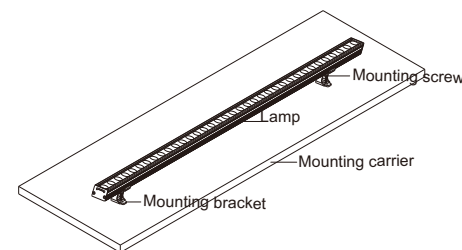
Product Features

● Light, thin, simple design

● High-strength aluminum lamp body with low thermal resistance path heat dissipation design

● Unique waterproof design

● Outdoor lighting protection and electrostatic discharge (ESD) protection design

● Wall washing height: 1-2 meters

Product Size   Unit: mm

999.2
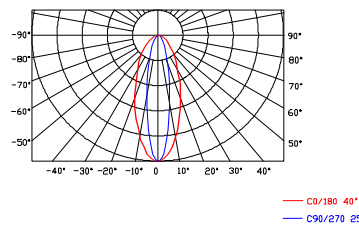
35.4
46.4
62.8

Light Distribution Curve

Schematic Diagram of Installation Method

Use M6 expansion screws to fix the mounting seats to the required positions as shown in the figure. The specific spacing shall be length of lights. Mounting base fixes screws.

Mounting screw
Lamp
Mounting carrier
Mounting bracket

Basic Specifications	
Color	W
Light source	SMD W LED
Life	35,000h
Material	High-strength aluminum alloy/aluminum cover/transparent lamp cover
Weight	0.9kg
Working conditions	
Operating temperature	-40°C ~ 50°C
Storage temperature	-40°C ~ 70°C
Protection rating	IP66
Application environment	Outdoor

Electrical parameters	
Operating Voltage	DC24V
Maximum power	24W
Optical parameters	
Beam angle	20°,25*35°,25*40°
Controller	
Main Controller	-
Sub Controller	-

Available Models

Product model	Working voltage	Power	Light source	Angle	Control protocol	Gray scale	Material	Energy efficiency value	LED brand
CW35CBL	DC24V	18W	18xW	20/25*35°/25*40°	ON/OFF	/	Aluminum housing	≥65 lm/w	Note 1
CW35CBL	DC24V	24W	24xW	20/25*35°/25*40°	ON/OFF	/	Aluminum housing	≥65 lm/w	Note 1
CW35CRL	DC24V	18W	18xW	20/25*35°/25*40°	ON/OFF	/	Aluminum housing	≥65 lm/w	Note 1
CW35CRL	DC24V	24W	24xW	20/25*35°/25*40°	ON/OFF	/	Aluminum housing	≥65 lm/w	Note 1

Note 1:LED Brand: Cree/Osram/Lumileds/Taiwan/Mainland   Note2: Above optical parameter > 2700K,Cree/Osram/Lumileds

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EXC-CW40

C series-Preferred wall washer light

EXC-CW40 series is a high-strength aluminum alloy shell specially designed for outdoor landscape lighting, strip high-power wall washer light light lamp; it can be used in specific lighting areas or landscape coloring, and is applied to building facades and bridges. , Stage, etc.; the length of the lamp can provide a variety of specifications to choose from.

Product Features

● LPatented comb convection heat dissipation design

● High-strength aluminum lamp body with low thermal resistance path heat dissipation design

● Unique waterproof design

● Outdoor lighting protection and electrostatic discharge (ESD) protection design

● Wall washing height: 2-3 meters

Product Size   Unit: mm

993

40
67

Light Distribution Curve

Schematic Diagram of Installation Method

Use M6 expansion screws to fix the mounting seats to the required positions as shown in the figure. The specific spacing shall be length of lights.

Mounting screw
Lamp
Mounting carrier
Mounting bracket

Basic Specifications	
Color	W
Light source	SMD W LED
Life	35,000h
Material	High-strength aluminum alloy/tempered glass
Weight	1.1kg
Working conditions	
Operating temperature	-40°C ~ 50°C
Storage temperature	-40°C ~ 70°C
Protection rating	IP66
Application environment	Outdoor

Electrical parameters	
Operating Voltage	DC24V
Maximum power	24W/36W
Optical parameters	
Beam angle	15*25°,15*55°,other angles are optional
Controller	
Main Controller	-
Sub Controller	-

Available Models

Product model	Working voltage	Power	Light source	Angle	Control protocol	Gray scale	Material	Energy efficiency value	LED brand
CW40CBL	DC24V	24W	24xW	15*25/15*55/20*40 /20/30/45/60°	ON/OFF	/	Aluminum housing	≥70 lm/w	Note 1
CW40CBL	DC24V	36W	36xW		ON/OFF	/	Aluminum housing	≥70 lm/w	Note 1

Note 1:LED Brand: Cree/Osram/Lumileds/Taiwan/Mainland   Note2: Above optical parameter > 2700K,Cree/Osram/Lumileds
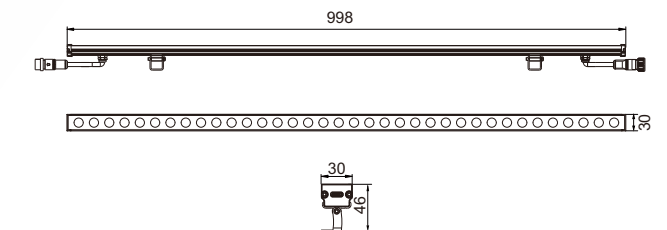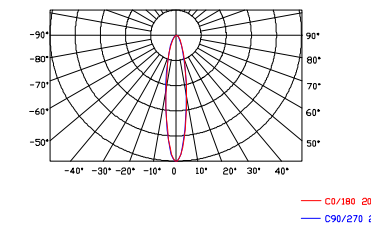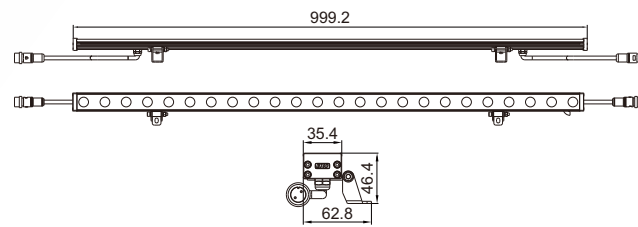
EXC-CW45

C series-Preferred wall washer light

EXC-CW45 series products are a high-strength aluminum alloy shell specially designed for outdoor landscape lighting by EXC-LED. The strip shape can be used for specific lighting areas or landscape coloring. It is applied to building facades, bridges, stages, etc.The degree can provide a variety of specifications to choose from.
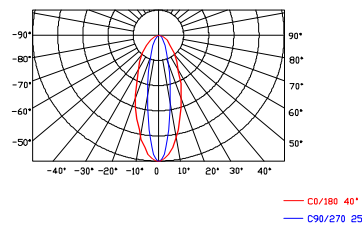
Product Features

● Light, thin, simple design

● High-strength aluminum lamp body with low thermal resistance path heat dissipation design

● Unique waterproof design

● Outdoor lighting protection and electrostatic discharge (ESD) protection design

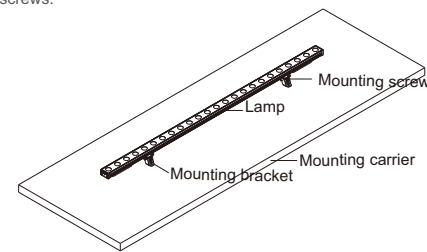● Wall washing height: 3-5 meters

Product Size   Unit: mm

994

45

72

Light Distribution Curve

—— C0/180 22°
—— C90/270 12°

unit/cd

Schematic Diagram of Installation Method

Use M6 expansion screws to fix the mounting seats to the required positions as shown in the figure. The specific spacing shall be length of lights.

Mounting screw
Lamp
Mounting carrier
Mounting bracket

Basic Specifications	
Color	W/RGBW
Light source	SMD W/RGBW 4in1 LED
Life	35,000h
Material	High-strength aluminum alloy/tempered glass
Weight	1.58kg
Working conditions	
Operating temperature	-40°C ~ 50°C
Storage temperature	-40°C ~ 70°C
Protection rating	IP66
Application environment	Outdoor

Electrical parameters	
Operating Voltage	DC24V
Maximum power	36W/48W
Optical parameters	
Beam angle	12*22°,16*50°,other angles are optional
Controller	
Main Controller	EXC-Y220series,EXC-Y880series,EXC-M520series, EXC-5200series,EXC-6000series,EXC-8000series, EXC-10000series......
Sub Controller	EXC-S880,EXC-2905......

Available Models

Product model	Working voltage	Power	Light source	Angle	Control protocol	Gray scale	Material	Energy efficiency value	LED brand
CW45CBL	DC24V	36W	36xW	10/12*22/12*45/15/16*50 /20/20*40/30/45/60°	ON/OFF	/	Aluminum housing	≥70 lm/w	Note 1
CW45CBL	DC24V	48W	24xW		ON/OFF	/	Aluminum housing	≥70 lm/w	Note 1
CW45CBL	DC24V	36W	24xRGB	10/12*22/12*45/15/16*50 /20*40/20*50/20/30/45/60°	DMX512	65536	Aluminum housing	≥35 lm/w	Note 1
CW45CBL	DC24V	48W	36xRGB		DMX512	65536	Aluminum housing	≥35 lm/w	Note 1
CW45CBL	DC24V	36W	18xRGBW	20/20*50/30/45/60°	DMX512	65536	Aluminum housing	≥35 lm/w	Note 1
CW45CBL	DC24V	48W	24xRGBW		DMX512	65536	Aluminum housing	≥35 lm/w	Note 1

Note 1:LED Brand: Cree/Osram/Lumileds/Taiwan/Mainland   Note2: Above optical parameter ＞2700K,Cree/Osram/Lumileds

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EXC-CW62

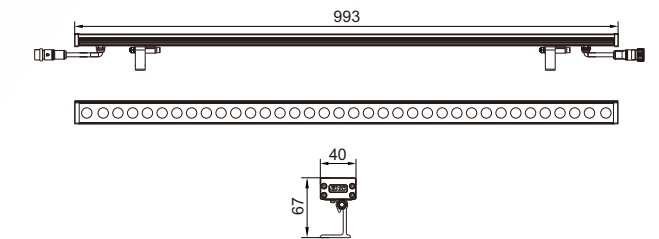C series-Preferred wall washer light

EXC-CW62 series products are a high-strength aluminum alloy shell specially designed for outdoor landscape lighting by EXC-LED. The strip shape can be used for specific lighting areas or landscape coloring, and is applied to building facades, bridges, stages, etc.;The degree can provide a variety of specifications to choose from.

Product Features
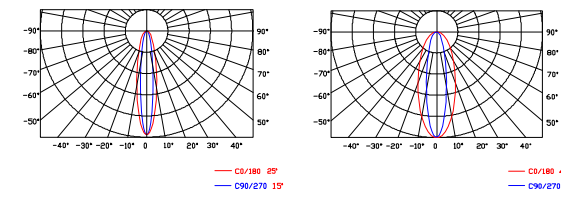
● Light, thin, simple design

● High-strength aluminum lamp body with low thermal resistance path heat dissipation design

● Unique waterproof design

● Outdoor lighting protection and electrostatic discharge (ESD) protection design

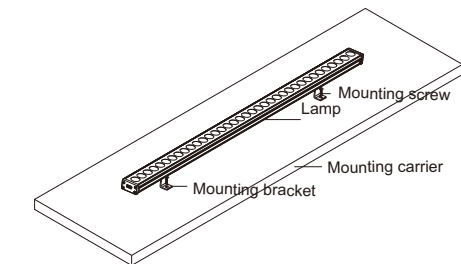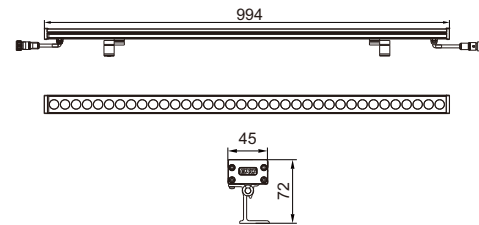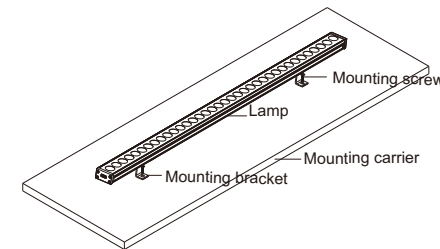● Wall washing height: 3-5 meters

Product Size   Unit: mm

998

64
37
95

Light Distribution Curve
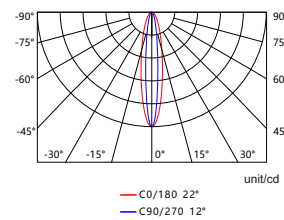
—— C0/180 15°
—— C90/270 15°

unit/cd

Schematic Diagram of Installation Method

Use M6 expansion screws to fix the mounting seats to the required positions as shown in the figure. The specific spacing shall be length of lights.

Mounting bracket
Lamp
Mounting carrier
Mounting screw

Basic Specifications	
Color	W/RGB/RGBW
Light source	SMD W/RGB 3in1/RGBW 4in1 LED
Life	35,000h
Material	High-strength aluminum alloy/tempered glass
Weight	1.1kg
Working conditions	
Operating temperature	-40°C ~ 50°C
Storage temperature	-40°C ~ 70°C
Protection rating	IP66
Application environment	Outdoor

Electrical parameters	
Operating Voltage	DC24V
Maximum power	72W
Optical parameters	
Beam angle	15°,15*30°,other angles are optional
Controller	
Main Controller	EXC-Y220series,EXC-Y880series,EXC-M520series, EXC-5200series,EXC-6000series,EXC-8000series, EXC-10000series......
Sub Controller	EXC-S880,EXC-2905......

Available Models

Product model	Working voltage	Power	Light source	Angle	Control protocol	Gray scale	Material	Energy efficiency value	LED brand
CW62CBL	DC24V	72W	24xW	8/10/15/15*30/30/60°	ON/OFF	/	Aluminum housing	≥70 lm/w	Note 1
CW62CBL	DC24V	36W	24xRGB	15/15*30/30/45/60°	DMX512	65536	Aluminum housing	≥25 lm/w	Note 1
CW62CBL	DC24V	48W	24xRGBW		DMX512	65536	Aluminum housing	≥35 lm/w	Note 1
CW62CBL	DC24V	72W	24xRGBW		DMX512	65536	Aluminum housing	≥35 lm/w	Note 1
CW62CBL	DC24V	72W	18xRGBW		DMX512	65536	Aluminum housing	≥35 lm/w	Note 1

Note 1:LED Brand: Cree/Osram/Lumileds/Taiwan/Mainland   Note2: Above optical parameter ＞2700K,Cree/Osram/Lumileds

EXC-CW72

C series-Preferred wall washer light

EXC-CW72 series is a high-strength aluminum alloy shell specially designed for outdoor landscape lighting by EXC-LED. It can be used in specific lighting areas or landscape coloring, and is applied to building facades, bridges, stages, etc.; the length of the lamp can be provided A variety of specifications are available.

Product Features

● Patented comb convection heat dissipation design

● High-strength aluminum lamp body with low thermal resistance path heat dissipation design

● Unique waterproof design

● Outdoor lighting protection and electrostatic discharge (ESD) protection design

● Wall washing height: 5-7 meters

Product Size   Unit: mm

996

72

78

Light Distribution Curve

— C0/180 10°
— C90/270 10°

Schematic Diagram of Installation Method

Use M6 expansion screws to fix the mounting seats to the required positions as shown in the figure. The specific spacing shall be length of lights.

Mounting screw
Lamp
Power Supply
Mounting carrier
Mounting bracket
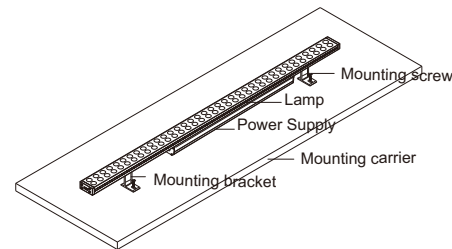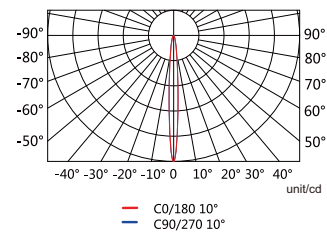
Basic Specifications

Color	W/RGB/RGBW
Light source	SMD W/RGB 3in1 LED/RGBW 4in1 LED
Life	35,000h
Material	High-strength aluminum alloy/tempered glass
Weight	4.96kg

Working conditions

Operating temperature	-40°C ~ 50°C
Storage temperature	-40°C ~ 70°C
Protection rating	IP66
Application environment	Outdoor

Electrical parameters

Operating Voltage	CW72CBL：DC24V CW72CBH：AC220V
Maximum power	72W

Optical parameters

Beam angle	12*22°,16*50°,other angles are optional

Controller

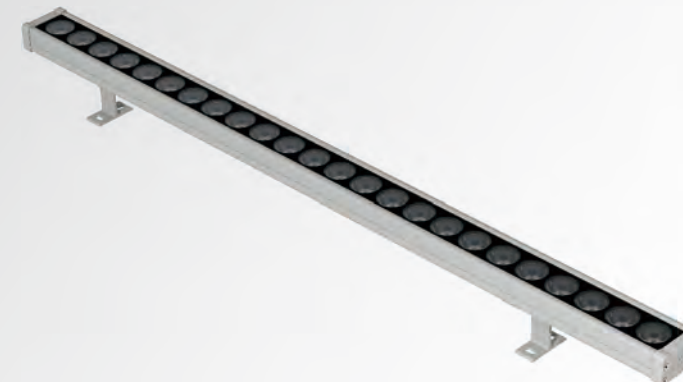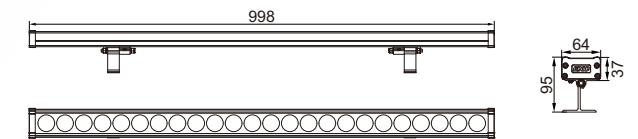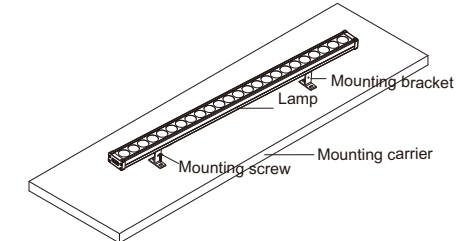|	
Main Controller	EXC-Y220series,EXC-Y880series,EXC-M520series, EXC-5200series,EXC-6000series,EXC-8000series, EXC-10000series......
Sub Controller	EXC-S880,EXC-2905......

Available Models

Product model	Working voltage	Power	Light source	Angle	Control protocol	Gray scale	Material	Energy efficiency value	LED brand
CW72CBL	DC24V	72W	48xRGB	10/12*22/12*45/15/16*50 /20*40/20*50/20/30/45/60°	DMX512	65536	Aluminum housing	≥25 lm/w	Note 1
CW72CBL	DC24V	72W	48xRGBW	20/20*50/30/45/60°	DMX512	65536	Aluminum housing	≥35 lm/w	Note 1
CW72CBH	AC220V	72W	72xW	10/12*22/12*45/15/16*50 /20/20*40/30/45/60°	ON/OFF	/	Aluminum housing	≥70 lm/w	Note 1
CW72CBH	AC220V	72W	48xRGB	10/12*22/12*45/15/16*50 /20*40/20*50/20/30/45/60°	DMX512	65536	Aluminum housing	≥25 lm/w	Note 1
CW72CBH	AC220V	72W	48xRGB		DMX512	65536	Aluminum housing	≥25 lm/w	Note 1
CW72CBH	AC220V	72W	48xRGBW	20/20*50/30/45/60°	DMX512	65536	Aluminum housing	≥35 lm/w	Note 1

Note 1:LED Brand: Cree/Osram/Lumileds/Taiwan/Mainland   Note2: Above optical parameter ＞2700K,Cree/Osram/Lumileds

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EXC-W30B

Universal wall washer light

The EXC-W30B is a high-strength aluminum alloy shell, strip-shaped low-power wall washer light light designed for outdoor landscape lighting by EXC-LED. It can be used for color painting in specific lighting areas or landscapes, and is applied to building facades, bridges, Stages, etc.; various lengths of lamps and lanterns are optional.

Product Features

● Patented comb convection heat dissipation design

● High-strength aluminum lamp body with low thermal resistance path heat dissipation design

● New-generation DMX512 Parallel Bus Technology

● Outdoor lighting protection and electrostatic discharge (ESD) protection design

● Wall washing height: 0.5-1 meter

Product Size   Unit: mm

998

32.6

31.6

55.5

Light Distribution Curve

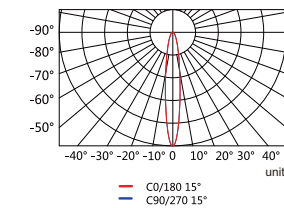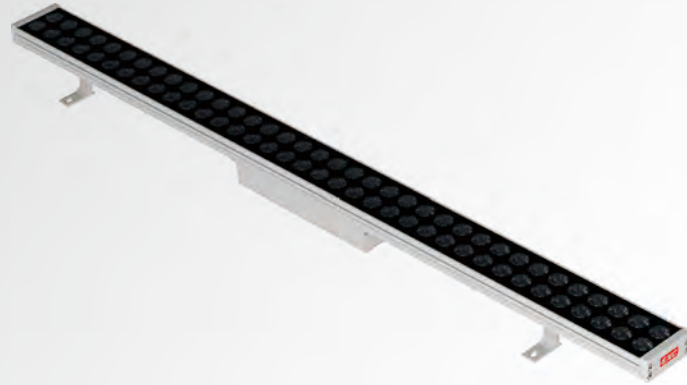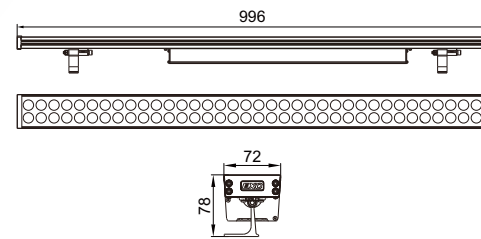— C0/180 25°
— C90/270 20°

— C0/180 45°
— C90/270 25°

Schematic Diagram of Installation Method

Use M4 expansion screws to fix the mounting seats to the required positions as shown in the figure. The specific spacing shall be length of lights.

Mounting screw
Lamp
Mounting carrier
Mounting bracket

Basic Specifications

Color	W/RGB/RGB+W
Light source	SMD W/RGB 3in1 LED
Life	35,000h
Material	High-strength aluminum alloy/tempered glass
Weight	W30BBL:0.94Kg W30BRL:0.99Kg

Working conditions

Operating temperature	-40°C ~ 50°C
Storage temperature	-40°C ~ 70°C
Protection rating	IP66
Application environment	Outdoor

Electrical parameters

Operating Voltage	DC24V
Maximum power	12W

Optical parameters

Beam angle	20°,25*45°,30°,other angles are optional

Controller

Main Controller	EXC-Y220series,EXC-Y880series,EXC-M520series, EXC-5200series,EXC-6000series,EXC-8000series, EXC-10000series......
Sub Controller	EXC-S880,EXC-2905......

Available Models

Product model	Working voltage	Power	Light source	Angle	Control protocol	Gray scale	Material	Energy efficiency value	LED brand
W30BBL	DC24V	10W	36xW	20/25*45/30/45/60°	ON/OFF	/	Aluminum + Glass	≥65 lm/w	Note 1
W30BBL	DC24V	12W	48xW		ON/OFF	/	Aluminum + Glass	≥65 lm/w	Note 1
W30BBL	DC24V	12W	48xW		DMX512	256/65536	Aluminum + Glass	≥65 lm/w	Note 1
W30BBL	DC24V	12W	48xRGB	20/25*45/30/45°	DMX512	256/65536	Aluminum + Glass	≥30 lm/w	Note 1
W30BBL	DC24V	12W	24xRGB+24xW		DMX512	256/65536	Aluminum + Glass	≥40 lm/w	Note 1

Note 1:LED Brand: Cree/Osram/Lumileds/Taiwan/Mainland   Note2: Above optical parameter ＞2700K,Cree/Osram/Lumileds
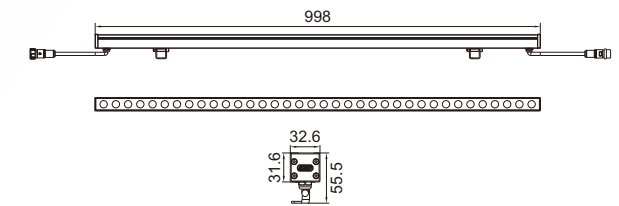
EXC-W42B
Universal wall washer light

The EXC-W42B full-color controllable series is a high-strength aluminum alloy shell specially designed for outdoor landscape lighting by EXC-LED. It is a strip full-color high-power wall washer light light. Each lamp is an independent pixel, and each pixel can be realized 65536-level gray scale changes; it can be used to color specific lighting areas or landscapes, building facades, bridges, stages, etc.; the length of the lamps can be provided in a variety of specifications.

Product Features

● New-generation DMX512 Parallel Bus Technology
● Patented comb convection heat dissipation design
● Low thermal resistance path heat dissipation design
● Unique waterproof and breathable design
● Outdoor lighting protection and electrostatic discharge (ESD) protection design
● Wall washing height: 1-2 meters

Product Size   Unit: mm

1001
47
74

Light Distribution Curve

C0/180 22°
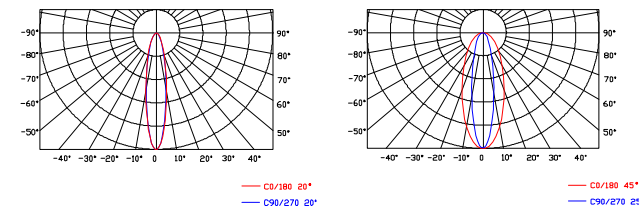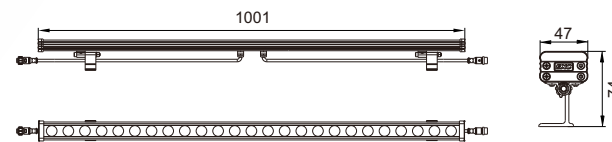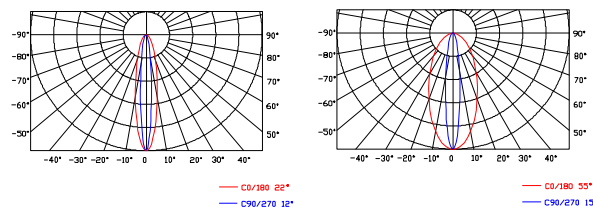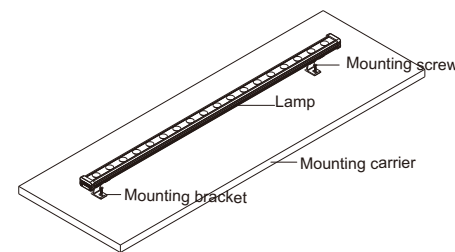C90/270 12°

C0/180 55°
C90/270 15°

Schematic Diagram of Installation Method

Use M4 expansion screws to fix the mounting seats to the required positions as shown in the figure. The specific spacing shall be length of lights.

Mounting screw
Lamp
Mounting carrier
Mounting bracket

Basic Specifications	
Color	W/RGB/RGBW
Light source	SMD W/RGB 3in1 LED/RGBW 4in1 LED
Life	35,000h
Material	High-strength aluminum alloy/tempered glass
Weight	1.51kg

Working conditions	
Operating temperature	-40°C ~ 50°C
Storage temperature	-40°C ~ 70°C
Protection rating	IP66
Application environment	Outdoor

Electrical parameters	
Operating Voltage	DC24V
Maximum power	24W

Optical parameters	
Beam angle	15*25°,15*55°,other angles are optional

Controller	
Main Controller	EXC-Y220series,EXC-Y880series,EXC-M520series, EXC-5200series,EXC-6000series,EXC-8000series, EXC-10000series......
Sub Controller	EXC-S880,EXC-2905......

Available Models

Product model	Working voltage	Power	Light source	Angle	Control protocol	Gray scale	Material	Energy efficiency value	LED brand
W42BBL	DC24V	18W	18xW	10/15*25/15*55/15/20*40/20/30/45/60°	ON/OFF	/	Aluminum + Glass	≥75 lm/w	Note 1
W42BBL	DC24V	24W	24xW		ON/OFF	/	Aluminum + Glass	≥75 lm/w	Note 1
W42BBL	DC24V	18W	18xRGB	10/15*25/15*55/15/20*40/20/30/45/60°	DMX512	256/65536	Aluminum + Glass	≥35 lm/w	Note 1
W42BBL	DC24V	24W	24xRGB		DMX512	256/65536	Aluminum + Glass	≥35 lm/w	Note 1
W42BBL	DC24V	18W	18xRGBW	20*40/20/30/45/60°	DMX512	256/65536	Aluminum + Glass	≥40 lm/w	Note 1
W42BBL	DC24V	24W	24xRGBW		DMX512	256/65536	Aluminum + Glass	≥40 lm/w	Note 1

Note 1:LED Brand: Cree/Osram/Lumileds/Taiwan/Mainland   Note2: Above optical parameter > 2700K,Cree/Osram/Lumileds

EXC-W30E
Universal wall washer light

The EXC-W30E is a high-strength aluminum alloy shell, strip-shaped side outlet low-power wall washer light light designed specifically for outdoor landscape lighting. Bridges, stages, etc.; various lengths of lamps are optional.

Product Features

● High-strength aluminum alloy lamp body, low thermal resistance heat dissipation design
● New-generation DMX512 Parallel Bus Technology
● Outdoor lighting protection and electrostatic discharge (ESD) protection design
● Side outlet structure design, adapt to specific installation environment
● Wall washing height: 1-2 meters

Product Size   Unit: mm

1000
32.6
36
57

Light Distribution Curve

C0/180 20°
C90/270 20°

Schematic Diagram of Installation Method

Use M6 expansion screws to fix the mounting seats to the required positions as shown in the figure. The specific spacing shall be length of lights.

Mounting screw
Lamp
Mounting carrier
Mounting bracket

Basic Specifications	
Color	W/RGB/RGB+W
Light source	SMD W/RGB 3in1 LED
Life	35,000h
Material	High-strength aluminum alloy/tempered glass
Weight	1.1Kg

Working conditions	
Operating temperature	-40°C ~ 50°C
Storage temperature	-40°C ~ 70°C
Protection rating	IP66
Application environment	Outdoor

Electrical parameters	
Operating Voltage	DC24V
Maximum power	12W

Optical parameters	
Beam angle	20°,25*45°,other angles are optional

Controller	
Main Controller	EXC-Y220series,EXC-Y880series,EXC-M520series, EXC-5200series,EXC-6000series,EXC-8000series, EXC-10000series......
Sub Controller	EXC-S880,EXC-2905......

Available Models

Product model	Working voltage	Power	Light source	Angle	Control protocol	Gray scale	Material	Energy efficiency value	LED brand
W30EBL	DC24V	10W	36xW	20/25*45/30/45/60°	ON/OFF	/	Aluminum + Glass	≥65 lm/w	Note 1
W30EBL	DC24V	12W	48xW		ON/OFF	/	Aluminum + Glass	≥65 lm/w	Note 1
W30EBL	DC24V	12W	48xW		DMX512	256/65536	Aluminum + Glass	≥65 lm/w	Note 1
W30EBL	DC24V	12W	48xRGB	20/25*45/30/45°	DMX512	256/65536	Aluminum + Glass	≥30 lm/w	Note 1
W30EBL	DC24V	12W	24xRGB+24xW		DMX512	256/65536	Aluminum + Glass	≥40 lm/w	Note 1

Note 1:LED Brand: Cree/Osram/Lumileds/Taiwan/Mainland   Note2: Above optical parameter > 2700K,Cree/Osram/Lumileds
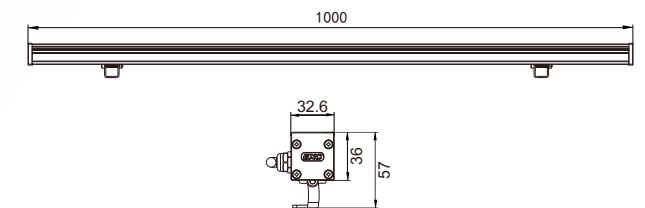
EXC-W45S
S series-IP68 wall washer light

EXC-W45S full-color series products are a high-strength aluminum alloy shell specially designed for outdoor landscape lighting by EXC-LED. The strips can be used for specific lighting areas or landscape coloring, and are applied to building facades, bridges, stages, etc.; The length of the lamp can provide a variety of specifications to choose from.

Product Features
● New-generation DMX512 Parallel Bus Technology
● Patented comb convection heat dissipation design
● Low thermal resistance path heat dissipation design
● Unique waterproof and breathable design
● Outdoor lighting protection and electrostatic discharge (ESD) protection design
● Wall washing height: 3-5 meters

Product Size   Unit: mm

1001 · 48 · 28 · 69

Light Distribution Curve

C0/180 15°
C90/270 15°

Schematic Diagram of Installation Method

Use M6 expansion screws to fix the mounting seats to the required positions as shown in the figure. The specific spacing shall be length of lights.

Mounting screw
Lamp
Power Supply
Mounting carrier
Mounting bracket

Basic Specifications

Color	W/RGBW
Light source	SMD W/RGBW 4in1 LED
Life	35,000h
Material	High-strength aluminum alloy/tempered glass
Weight	2.66kg

Working conditions

Operating temperature	-40°C ~ 50°C
Storage temperature	-40°C ~ 70°C
Protection rating	IP66
Application environment	Outdoor

Electrical parameters

Operating Voltage	DC24V
Maximum power	24W

Optical parameters

Beam angle	15°,15*25°,15*55°,other angles are optional

Controller

Main Controller	EXC-Y220series,EXC-Y880series,EXC-M520series, EXC-5200series,EXC-6000series,EXC-8000series, EXC-10000series......
Sub Controller	EXC-S880,EXC-2905......

Available Models

Product model	Working voltage	Power	Light source	Angle	Control protocol	Gray scale	Material	Energy efficiency value	LED brand
W45SBL	DC24V	36W	18xRGBW	20*40/20/30/45/60°	DMX512	256/65536	Aluminum housing	≥35 lm/w	Note 1
W45SBL	DC24V	36W	24xRGBW		DMX512	256/65536	Aluminum housing	≥35 lm/w	Note 1
W45SBL	DC24V	48W	24xRGBW		DMX512	256/65536	Aluminum housing	≥35 lm/w	Note 1
W45SBL	DC24V	36W	36xW	10/15*25/15*55/15/20*40/20/30/45/60°	DMX512	256	Aluminum housing	≥70 lm/w	Note 1
W45SBL	DC24V	48W	36xW		DMX512	256	Aluminum housing	≥70 lm/w	Note 1
W45SBL	DC24V	36W	36xW		ON/OFF	/	Aluminum housing	≥70 lm/w	Note 1

Note 1:LED Brand: Cree/Osram/Lumileds/Taiwan/Mainland   Note2: Above optical parameter ＞2700K,Cree/Osram/Lumileds

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EXC-W45K
Universal wall washer light

EXC-W45K full-color series products are a high-strength aluminum alloy shell specially designed for outdoor landscape lighting by AICA. The strips can be used for specific lighting areas or landscape coloring, and are applied to building facades, bridges, stages, etc.; The length of the lamp can provide a variety of specifications to choose from.

Product Features
● New-generation DMX512 Parallel Bus Technology
● Patented comb convection heat dissipation design
● Compatible with built-in honeycomb anti-glare and optical diffusion film applications
● Low thermal resistance path heat dissipation design
● Outdoor lighting protection and electrostatic discharge (ESD) protection design
● Wall washing height: 3-5 meters

Product Size   Unit: mm

994 · 45 · 72.6

Light Distribution Curve

C0/180 10°
C90/270 18°

C0/180 22°
C90/270 12°

Schematic Diagram of Installation Method

Use M4 expansion screws to fix the mounting seats to the required positions as shown in the figure. The specific spacing shall be length of lights.

Mounting bracket
Lamp
Mounting carrier
Mounting screw

Basic Specifications

Color	W/RGB/RGBW
Light source	SMD W/RGB 3in1 LED/RGBW 4in1 LED
Life	35,000h
Material	High-strength aluminum alloy/tempered glass
Weight	1.81Kg

Working conditions

Operating temperature	-40°C ~ 50°C
Storage temperature	-40°C ~ 70°C
Protection rating	IP66
Application environment	Outdoor

Electrical parameters

Operating Voltage	DC24V
Maximum power	48W

Optical parameters

Beam angle	10°,12x22°,16*50°,other angles are optional

Controller

Main Controller	EXC-Y220series,EXC-Y880series,EXC-M520series, EXC-6000series,EXC-8000series, EXC-10000series......
Sub Controller	EXC-S880,EXC-2905......

Available Models

Product model	Working voltage	Power	Light source	Angle	Control protocol	Gray scale	Material	Energy efficiency value	LED brand
W45KBL	DC24V	36W	36xW	10/12*22/12*45/15/16*50/20/20*40/30/45/60°	ON/OFF	/	Aluminum + Glass	≥75 lm/w	Note 1
W45KBL	DC24V	48W	24xW		ON/OFF	/	Aluminum + Glass	≥75 lm/w	Note 1
W45KBL	DC24V	36W	24xRGB	10/12*22/12*45/15/16*50/20*40/20*50/20/30/45/60°	DMX512	65536	Aluminum + Glass	≥30 lm/w	Note 1
W45KBL	DC24V	48W	36xRGB		DMX512	65536	Aluminum + Glass	≥30 lm/w	Note 1
W45KBL	DC24V	36W	18xRGBW	20/20*50/30/45/60°	DMX512	65536	Aluminum + Glass	≥45 lm/w	Note 1
W45KBL	DC24V	48W	24xRGBW		DMX512	65536	Aluminum + Glass	≥45 lm/w	Note 1

Note 1:LED Brand: Cree/Osram/Lumileds/Taiwan/Mainland   Note2: Above optical parameter ＞2700K,Cree/Osram/Lumileds

EXC-W42G

G series-Internal anti-glare wall washer light

EXC-W42G product is a high-strength aluminum alloy shell, strip-shaped high-power wall washer specially designed for outdoor landscape lighting by EXC-LED. Stages, etc.; various lengths of lamps and lanterns are optional.
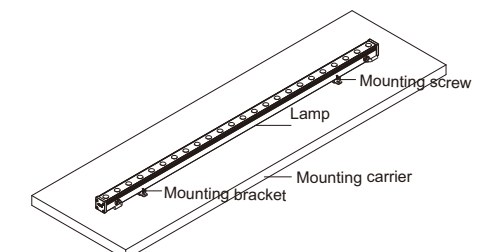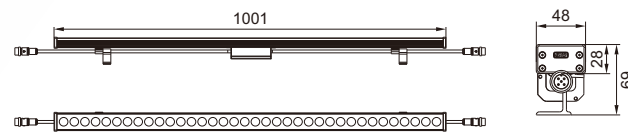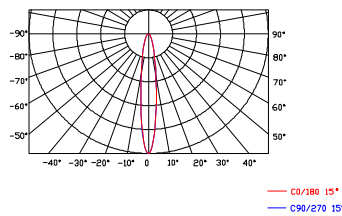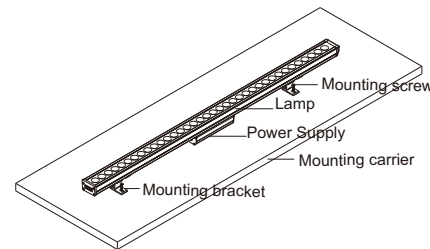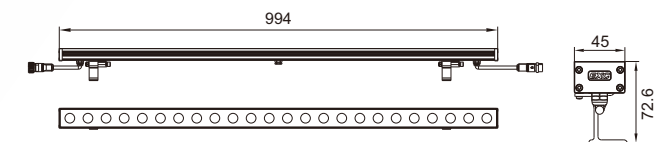
Product Features

● Simple appearance, built-in grille for anti-glare

● High-strength aluminum alloy lamp body, low thermal resistance heat dissipation design

● Outdoor lighting protection and electrostatic discharge (ESD) protection design

● New-generation DMX512 Parallel Bus Technology

● Wall washing height: 2-3 meters

Product Size   Unit: mm

998
42
34
74

Light Distribution Curve

C0/180 15°
C90/270 15°

Basic Specifications

Color	W
Light source	SMD W LED
Life	35,000h
Material	High-strength aluminum alloy/aluminum cover/transparent lamp cover
Weight	1.74kg

Working conditions

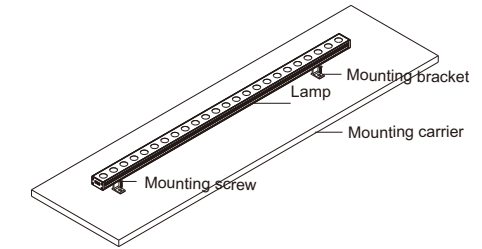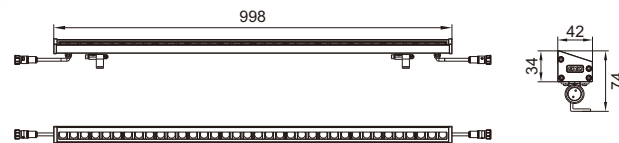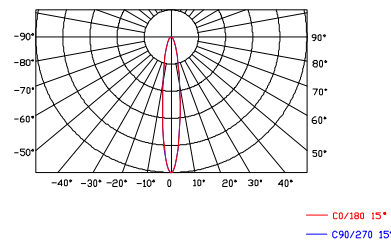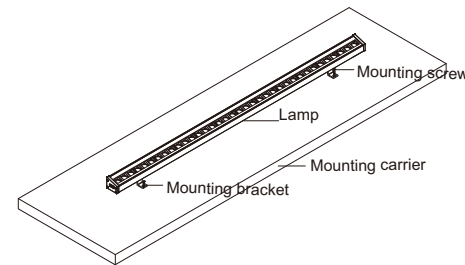| Operating temperature	-40°C ~ 50°C
Storage temperature	-40°C ~ 70°C
Protection rating	IP66
Application environment	Outdoor

Schematic Diagram of Installation Method

Use M6 expansion screws to fix the mounting seats to the required positions as shown in the figure. The specific spacing shall be length of lights.

Mounting screw
Lamp
Mounting carrier
Mounting bracket

Electrical parameters

Operating Voltage	DC24V
Maximum power	36W

Optical parameters

Beam angle	15°,15*25°,other angles are optional

Controller

Main Controller	-
Sub Controller	-

Available Models

Product model	Working voltage	Power	Light source	Angle	Control protocol	Gray scale	Material	Energy efficiency value	LED brand
W42GBL	DC24V	36W	36xW	15/15*25/20/20*40/30/45/60°	ON/OFF	/	Aluminum + Glass	≥65 lm/w	Note 1

Note 1:LED Brand: Cree/Osram/Lumileds/Taiwan/Mainland   Note2: Above optical parameter＞2700K,Cree/Osram/Lumileds

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EXC-W52H

H series-high luminous effciency wall washer light

EXC-W52H product is a high-strength aluminum alloy shell, strip-shaped high-power wall washer designed specifically for outdoor landscape lighting, stages, etc.; various lengths of lamps and lanterns are optional.

Product Features

● Non-glass light-emitting surface design, unique shape

● Lamp energy efficiency value exceeds 140 lm/w

● One-piece N in one lens, full structure waterproof

● A variety of mounting brackets to meet different installation environments

● Wall washing height: 3-5 meters
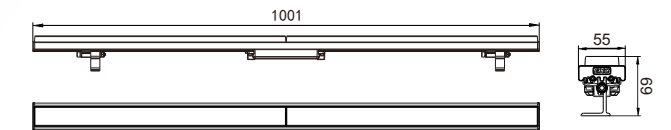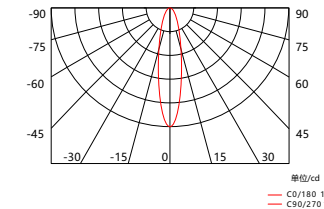
Product Size   Unit: mm

1001
55
69

Light Distribution Curve

单位/cd
C0/180 17°
C90/270 17°

Basic Specifications

Color	W
Light source	SMD W LED
Life	35,000h
Material	High-strength aluminum alloy/PC
Weight	1.86Kg

Working conditions

Operating temperature	-40°C ~ 50°C
Storage temperature	-40°C ~ 70°C
Protection rating	IP66
Application environment	Outdoor

Schematic Diagram of Installation Method

Use M6 expansion screws to fix the mounting seats to the required positions as shown in the figure. The specific spacing shall be length of lights.

Mounting bracket
Lamp
Mounting carrier
Mounting screw

Electrical parameters

Operating Voltage	DC24V
Maximum power	36W

Optical parameters

Beam angle	17°,other angles are optional

Controller

Main Controller	EXC-Y220series,EXC-Y880series,EXC-M520series, EXC-5200series,EXC-6000series,EXC-8000series, EXC-10000series......
Sub Controller	EXC-S880,EXC-2905......

Available Models

Product model	Working voltage	Power	Light source	Angle	Control protocol	Gray scale	Material	Energy efficiency value	LED brand
W50HBL	DC24V	36W	24xW	17°	DMX512	256/65536	Aluminum + PC	≥140 lm/w	Note 1

Note 1:LED Brand: Cree/Osram/Lumileds/Taiwan/Mainland   Note2: Above optical parameter＞2700K,Cree/Osram/Lumileds

EXC-W50D
D series-diamond wall washer light light

The EXC-W50D product is a high-strength aluminum alloy shell, strip-shaped high-power wall washer designed for outdoor landscape lighting by EXC-LED. It can be used for color painting in specific lighting areas or landscapes. Stage, etc.; various lengths of lamps and lanterns are optional.
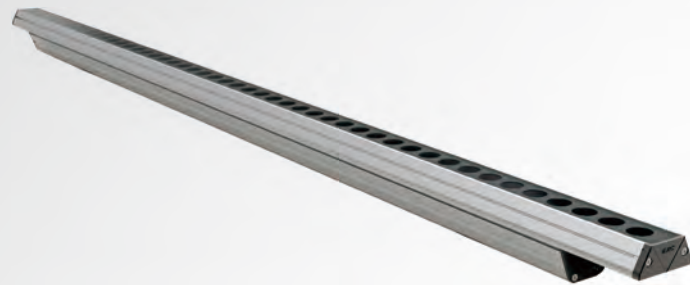
Product Features
● Unique appearance, diamond-shaped end face
● High-strength aluminum alloy lamp body, low thermal resistance heat dissipation design
● New-generation DMX512 Parallel Bus Technology
● Outdoor lighting protection and electrostatic discharge (ESD) protection design
● Wall washing height: 2-4 meters

Product Size   Unit: mm

1200   50   70

Light Distribution Curve

C0/180 12°
C90/270 12°

C0/180 45°
C90/270 15°

Schematic Diagram of Installation Method
Use M6 expansion screws to fix the mounting seats to the required positions as shown in the figure. The specific spacing shall be length of lights.

Mounting bracket
Lamp
Mounting carrier
Mounting screw

Basic Specifications
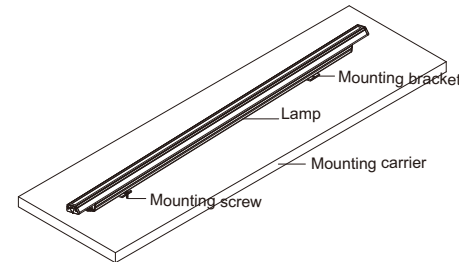
Basic Specifications	
Color	W/RGB/RGBW
Light source	SMD R/G/B/W LED
Life	35,000h
Material	High-strength aluminum alloy/tempered glass
Weight	2.50kg
Working conditions	
Operating temperature	-40℃ ~ 50℃
Storage temperature	-40℃ ~ 70℃
Protection rating	IP66
Application environment	Outdoor

Electrical parameters	
Operating Voltage	DC24V
Maximum power	36W
Optical parameters	
Beam angle	12°,15*45°,other angles are optional
Controller	
Main Controller	EXC-Y220series,EXC-Y880series,EXC-M520series, EXC-5200series,EXC-6000series,EXC-8000series, EXC-10000series......
Sub Controller	EXC-S880,EXC-2905......

Available Models

Product model	Working voltage	Power	Light source	Angle	Control protocol	Gray scale	Material	Energy efficiency value	LED brand
W50DBL	DC24V	36W	36xW	12/15*45°	DMX512	256/65536	Aluminum + Glass	≥75 lm/w	Note 1
W50DBL	DC24V	24W	48xRGB	15*45/15*60°	DMX512	256/65536	Aluminum + Glass	≥35 lm/w	Note 1
W50DBL	DC24V	24W	48xRGBW	15*45/15*60°	DMX512	256/65536	Aluminum + Glass	≥40 lm/w	Note 1
W50DRL	DC24V	36W	36xW	12/15*45°	DMX512	256/65536	Aluminum + Glass	≥75 lm/w	Note 1
W50DRL	DC24V	24W	48xRGB	15*45/15*60°	DMX512	256/65536	Aluminum + Glass	≥35 lm/w	Note 1
W50DRL	DC24V	24W	48xRGBW	15*45/15*60°	DMX512	256/65536	Aluminum + Glass	≥40 lm/w	Note 1

Note 1:LED Brand: Cree/Osram/Lumileds/Taiwan/Mainland   Note2: Above optical parameter＞2700K,Cree/Osram/Lumileds
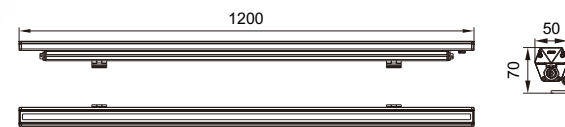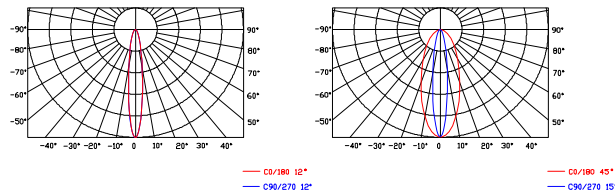
EXC-W80D
D series-diamond wall washer light light

EXC-W80D product is a high-strength aluminum alloy shell, strip-shaped high-power wall washer designed for outdoor landscape lighting by EXC-LED It can be used in specific lighting areas or landscape coloring, and is applied to building facades, bridges, Stages, etc.; various lengths of lamps and lanterns are optional.
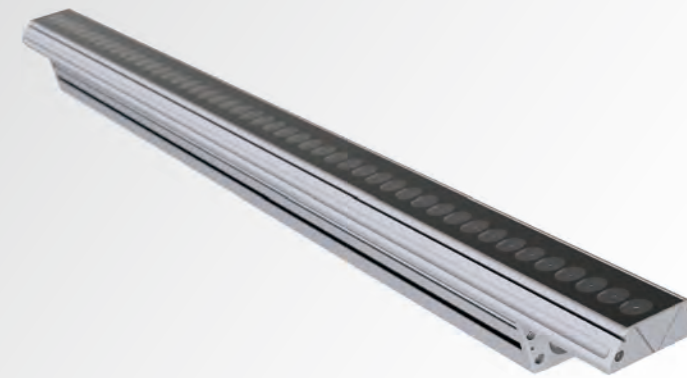
Product Features
● Unique appearance, diamond-shaped end face
● High-strength aluminum alloy lamp body, low thermal resistance heat dissipation design
● New-generation DMX512 Parallel Bus Technology
● Outdoor lighting protection and electrostatic discharge (ESD) protection design
● Wall washing height:10 meters

Product Size   Unit: mm

1199   78   81

Light Distribution Curve

C0/180 6°
C90/270 6°

C0/180 6°
C90/270 6°

Schematic Diagram of Installation Method
Use M6 expansion screws to fix the mounting seats to the required positions as shown in the figure. The specific spacing shall be length of lights.

Mounting bracket
Lamp
Mounting carrier
Mounting screw
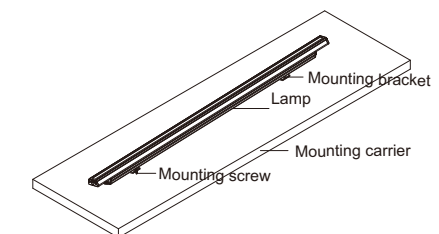
Basic Specifications	
Color	W
Light source	SMD W LED
Life	35,000h
Material	High-strength aluminum alloy/tempered glass
Weight	4.0Kg
Working conditions	
Operating temperature	-40℃ ~ 50℃
Storage temperature	-40℃ ~ 70℃
Protection rating	IP66
Application environment	Outdoor

| Electrical parameters	
Operating Voltage	DC24V
Maximum power	72W
Optical parameters	
Beam angle	6°,8°,15°,other angles are optional
Controller	
Main Controller	EXC-Y220series,EXC-Y880series,EXC-M520series, EXC-5200series,EXC-6000series,EXC-8000series, EXC-10000series......
Sub Controller	EXC-S880,EXC-2905......

Available Models

Product model	Working voltage	Power	Light source	Angle	Control protocol	Gray scale	Material	Energy efficiency value	LED brand
W80DBL	DC24V	72W	36xW	6/8/15°	DMX512	256/65536	Aluminum + Glass	≥75 lm/w	Note 1
W80DRL	DC24V	72W	36xW	6/8/15°	DMX512	256/65536	Aluminum + Glass	≥75 lm/w	Note 1

Note 1:LED Brand: Cree/Osram/Lumileds/Taiwan/Mainland   Note2: Above optical parameter＞2700K,Cree/Osram/Lumileds

EXC-W50F
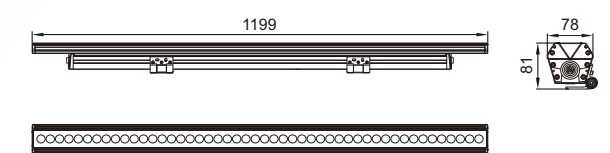### F series-ultra-thin wall washer light light

The EXC-W50F product is a high-strength aluminum alloy shell, ultra-thin strip-shaped high-power wall washer light designed for outdoor landscape lighting by EXC-LED. It can be used in specific lighting areas or landscape coloring, and is applied to building facades, bridges, stage, etc.; There are various lengths of lamps and lanterns to choose from.

Product Features

● Ultra-thin design thickness of 18mm, easy to hide the lamp to meet the application scenario of "seeing the light but not the lamp"
● Inside outlet, connection line hidden installation
● Outdoor lighting protection and electrostatic discharge (ESD) protection design
● High-quality aluminum alloy material and lock type structure waterproof design, waterproof grade Ip66
● Wall washing height:1-2 meters

Product Size   Unit: mm

996

18 50

Light Distribution Curve

C0/180 20°
C90/270 20°

C0/180 45°
C90/270 25°

Schematic Diagram of Installation Method

Use M6 expansion screws to fix the mounting seats to the required positions as shown in the figure. The specific spacing shall be length of lights.

Mounting bracket
Lamp
Mounting carrier
Mounting screw

Basic Specifications

Color	W
Light source	SMD W LED
Life	35,000h
Material	High-strength aluminum alloy/tempered glass
Weight	1.36kg

Working conditions

Operating temperature	-40°C ~ 50°C
Storage temperature	-40°C ~ 70°C
Protection rating	IP66
Application environment	Outdoor

Electrical parameters

Operating Voltage	DC24V
Maximum power	36W

Optical parameters

Beam angle	20°,25*45°,other angles are optional

Controller

Main Controller	-
Sub Controller	-

Available Models

Product model	Working voltage	Power	Light source	Angle	Control protocol	Gray scale	Material	Energy efficiency value	LED brand
W50FBL	DC24V	36W	36xW	20/25*45/30/45/60°	ON/OFF	/	Aluminum + Glass	≥70 lm/w	Note 1
W50FRL	DC24V	36W	36xW	20/25*45/30/45/60°	ON/OFF	/	Aluminum + Glass	≥70 lm/w	Note 1

Note 1:LED Brand: Cree/Osram/Lumileds/Taiwan/Mainland   Note2: Above optical parameter ＞2700K,Cree/Osram/Lumileds

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EXC-W60F
F series-ultra-thin wall washer light light

The EXC-W60F product is a high-strength aluminum alloy shell, ultra-thin strip-shaped high-power wall washer light designed for outdoor landscape lighting by EXC-LED. It can be used in specific lighting areas or landscape coloring, and is applied to building facades, bridges, stage, etc.; There are various lengths of lamps and lanterns to choose from.
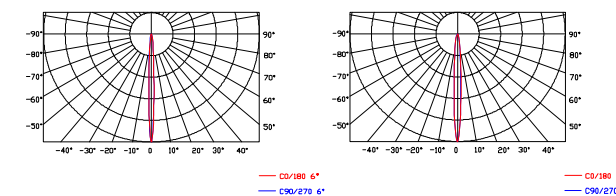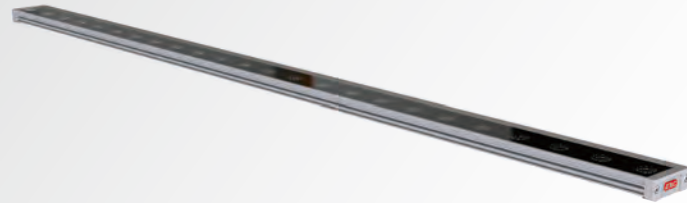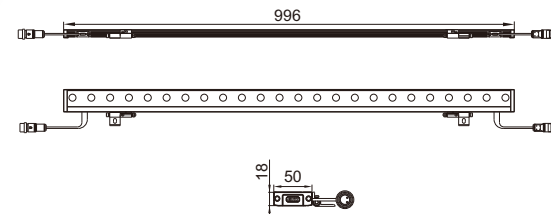
Product Features

● Ultra-thin design thickness of 20mm, easy to hide the lamp to meet the application scenario of "seeing the light but not the lamp"
● Inside outlet, connection line hidden installation
● Outdoor lighting protection and electrostatic discharge (ESD) protection design
● High-quality aluminum alloy material and lock type structure waterproof design, waterproof grade Ip66
● Wall washing height:3-5 meters

Product Size   Unit: mm

996

20 60

Light Distribution Curve

C0/180 12°
C90/270 12°

Schematic Diagram of Installation Method

Use M6 expansion screws to fix the mounting seats to the required positions as shown in the figure. The specific spacing shall be length of lights.

Mounting bracket
Lamp
Mounting carrier
Mounting screw

Basic Specifications

Color	W
Light source	SMD W LED
Life	35,000h
Material	High-strength aluminum alloy/tempered glass
Weight	1.57kg

Working conditions

Operating temperature	-40°C ~ 50°C
Storage temperature	-40°C ~ 70°C
Protection rating	IP66
Application environment	Outdoor

Electrical parameters

Operating Voltage	DC24V
Maximum power	48W

Optical parameters

Beam angle	12°,other angles are optional

Controller

Main Controller	-
Sub Controller	-

Available Models

Product model	Working voltage	Power	Light source	Angle	Control protocol	Gray scale	Material	Energy efficiency value	LED brand
W60FBL	DC24V	48W	36xW	12°	ON/OFF	/	Aluminum + Glass	≥70 lm/w	Note 1
W60FRL	DC24V	48W	36xW	12°	ON/OFF	/	Aluminum + Glass	≥70 lm/w	Note 1

Note 1:LED Brand: Cree/Osram/Lumileds/Taiwan/Mainland   Note2: Above optical parameter ＞2700K,Cree/Osram/Lumileds

EXC-W80F
Universal wall washer light

EXC-W80F product is a high-strength aluminum alloy shell, ultra-thin strip high-power wall washer designed for outdoor landscape lighting by EXC-LED. It can be used for specific lighting areas or landscape coloring, and is applied to building facades., bridges, stage, etc.; There are various lengths of lamps and lanterns to choose from.
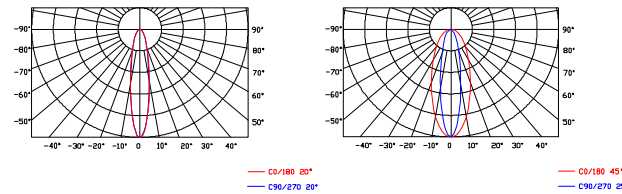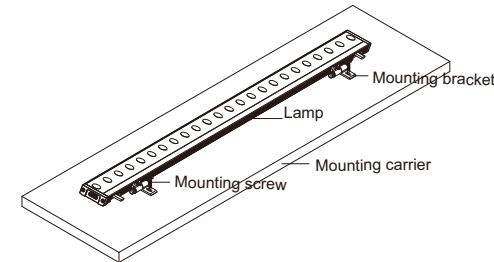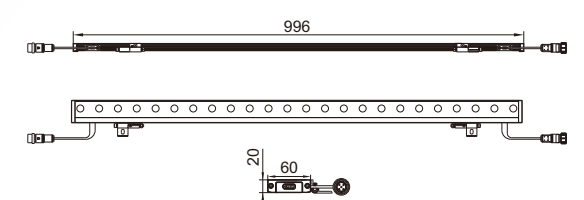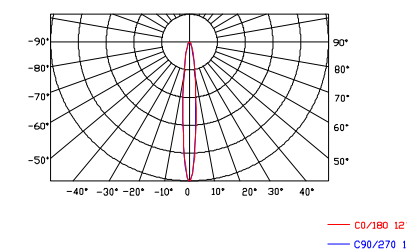
Product Features

● Simple appearance, full-flat design of luminous surface
● High-strength aluminum alloy lamp body, low thermal resistance heat dissipation design
● New-generation DMX512 Parallel Bus Technology
● Outdoor lighting protection and electrostatic discharge (ESD) protection design
● Wall washing height: 7-10 meters

Product Size   Unit: mm

1000
87
136

Light Distribution Curve

C0/180 10°
C90/270 10°
C0/180 22°
C90/270 12°

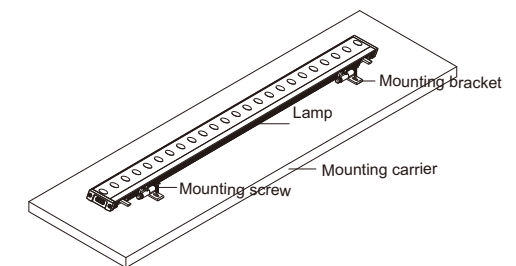## Schematic Diagram of Installation Method

Use M8 expansion screws to fix the mounting seats to the required positions as shown in the figure. The specific spacing shall be length of lights.

Mounting bracket
Lamp
Mounting carrier
Mounting screw

Basic Specifications

Basic Specifications	
Color	W/RGB/RGBW
Light source	SMD R/G/B/W LED
Life	35,000h
Material	High-strength aluminum alloy/tempered glass
Weight	6.0kg
Working conditions	
Operating temperature	-40℃ ~ 50℃
Storage temperature	-40℃ ~ 70℃
Protection rating	IP66
Application environment	Outdoor

Electrical parameters

Electrical parameters	
Operating Voltage	AC220V
Maximum power	120W (W), 150W (RGBW)
Optical parameters	
Beam angle	6°,10°,12*22°,other angles are optional
Controller	
Main Controller	EXC-Y220series,EXC-Y880series,EXC-M520series, EXC-5200series,EXC-6000series,EXC-8000series, EXC-10000series......
Sub Controller	EXC-S880,EXC-2905......

Available Models

Product model	Working voltage	Power	Light source	Angle	Control protocol	Gray scale	Material	Energy efficiency value	LED brand
W80FBH	AC220V	120W	72xW	10/12*22/12*45/ 15/16*50/20/ 20*40/30/45/60°	ON/OFF	/	Aluminum + Glass	≥70 lm/w	Note 1
W80FBH	AC220V	150W	24xR+24xG+24xB		DMX512	256/65536	Aluminum + Glass	≥30 lm/w	Note 1
W80FBH	AC220V	150W	18xR+18xG+18xB+18xW		DMX512	256/65536	Aluminum + Glass	≥35 lm/w	Note 1
W80FRH	AC220V	120W	72xW		ON/OFF	/	Aluminum + Glass	≥70 lm/w	Note 1
W80FRH	AC220V	150W	24xR+24xG+24xB		DMX512	256/65536	Aluminum + Glass	≥30 lm/w	Note 1
W80FRH	AC220V	150W	18xR+18xG+18xB+18xW		DMX512	256/65536	Aluminum + Glass	≥35 lm/w	Note 1

Note 1:LED Brand: Cree/Osram/Lumileds/Taiwan/Mainland   Note2: Above optical parameter > 2700K,Cree/Osram/Lumileds
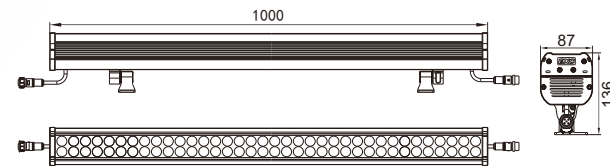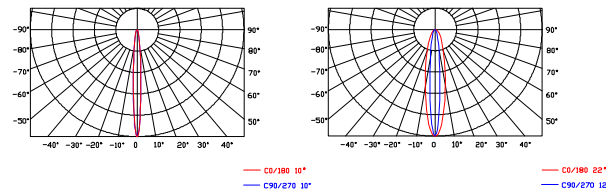

EXC-W80C
Universal wall washer light

EXC-W80C product is a high-strength aluminum alloy shell, ultra-thin strip high-power wall washer designed for outdoor landscape lighting by EXC-LED, which can be used in specific lighting areas or landscape coloring, and is applied to building facades, bridges, stage, etc.; various lengths of lamps are optional.

Product Features

● Simple appearance, full-flat design of luminous surface
● High-strength aluminum alloy lamp body, low thermal resistance heat dissipation design
● New-generation DMX512 Parallel Bus Technology
● Outdoor lighting protection and electrostatic discharge (ESD) protection design
● Wall washing height: 7-10 meters
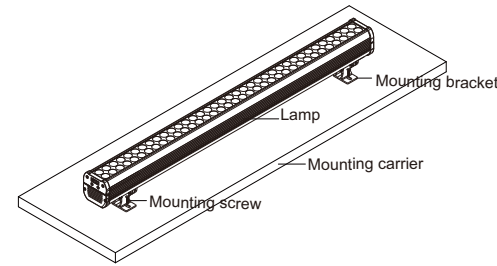
Product Size   Unit: mm

1000
87
136

Light Distribution Curve

C0/180 10°
C90/270 10°
C0/180 22°
C90/270 12°

Schematic Diagram of Installation Method

Use M8 expansion screws to fix the mounting seats to the required positions as shown in the figure. The specific spacing shall be length of lights.

Mounting bracket
Lamp
Mounting carrier
Mounting screw

Basic Specifications

Basic Specifications	
Color	W/RGB/RGBW
Light source	SMD R/G/B/W LED
Life	35,000h
Material	High-strength aluminum alloy/tempered glass
Weight	5.0kg
Working conditions	
Operating temperature	-40℃ ~ 50℃
Storage temperature	-40℃ ~ 70℃
Protection rating	IP66
Application environment	Outdoor

Electrical parameters

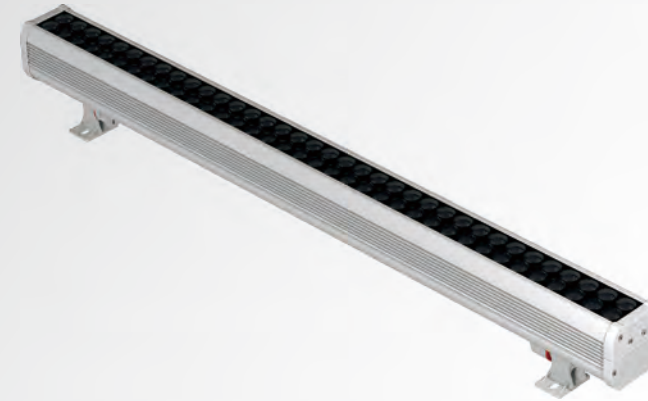| Electrical parameters	
Operating Voltage	AC220V
Maximum power	120W
Optical parameters	
Beam angle	10°,12*22°,16*50°,other angles are optional
Controller	
Main Controller	EXC-Y220series,EXC-Y880series,EXC-M520series, EXC-5200series,EXC-6000series,EXC-8000series, EXC-10000series......
Sub Controller	EXC-S880,EXC-2905......

Available Models

Product model	Working voltage	Power	Light source	Angle	Control protocol	Gray scale	Material	Energy efficiency value	LED brand
W80CBH	AC220V	72W	72xW	10/12*22/12*45/ 15/16*50/20/ 20*40/30/45/60°	ON/OFF	/	Aluminum + Glass	≥70 lm/w	Note 1
W80CBH	AC220V	120W	72xW		ON/OFF	/	Aluminum + Glass	≥70 lm/w	Note 1
W80CBH	AC220V	120W	24xR+24xG+24xB		DMX512	256/65536	Aluminum + Glass	≥30 lm/w	Note 1
W80CBH	AC220V	120W	18xR+18xG+18xB+18xW		DMX512	256/65536	Aluminum + Glass	≥35 lm/w	Note 1
W80CRH	AC220V	72W	72xW		ON/OFF	/	Aluminum + Glass	≥70 lm/w	Note 1
W80CRH	AC220V	120W	72xW		ON/OFF	/	Aluminum + Glass	≥70 lm/w	Note 1
W80CRH	AC220V	120W	24xR+24xG+24xB		DMX512	256/65536	Aluminum + Glass	≥30 lm/w	Note 1
W80CRH	AC220V	120W	18xR+18xG+18xB+18xW		DMX512	256/65536	Aluminum + Glass	≥35 lm/w	Note 1

Note 1:LED Brand: Cree/Osram/Lumileds/Taiwan/Mainland   Note2: Above optical parameter > 2700K,Cree/Osram/Lumileds
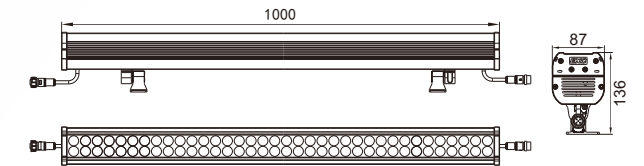
FLOOD LIGHT SERIES

MAIN TECHNICAL ADVANTAGES OF PRODUCTS

Lighting Control

State feedback: Supportive of the standard RDM and user-defined fault feedback protocol, capable of real-time feedback of such information as lamp operating voltage, temperature, current, power, manufacturer, etc.

High gray scale and high refresh rate: Gray scaling of more than 65536 grades; refresh rate of over 4K; no strobe during video shooting.

Dynamic light distribution: Intelligent dynamic adjustment of lightness by 10%-100% without any loss in gray scale; Adaptive brightness to different seasons and application scenarios without changing gray scale.

Power-on color: Capable of displaying any color in real-time tests under the condition of no signal; allowing emergency commissioning in the early stage of the project.

Wide-voltage power supply: Supportive of DC15-48V safe wide-voltage power supply scheme, completely solving the problem of voltage drop in long-distance power supply of high-rise buildings.

Optical Characteristics

Polarization: Equipped with the optical lens independently developed by EXC, providing comparatively high optical efficacy, wall washing height and consistency, free from color patch.

Wide view distance: Multi-level optical design, improving the optical efficacy and the near-far brightness consistency, an assurance for the harmony, health and comfort of light shows.

Lamp Structure

Thermal drive separation: Unique patented structural design, greatly improving heat dissipation efficiency and reliability.

Harmony with the surroundings in color: the color of the lamp body perfectly blends with the architectural background, weakening the influence of the lamp body on the appearance of the buildings.

Self-cleaning design: Unique lens design, avoiding accumulation of dust and sundries when used outdoors.

Automatic process: Subject to the automatic process design, greatly improving the production capacity, shortening the delivery period and improving the reliability of product quality.

FLOOD LIGHT NAMING RULE

B 5 0 A B L

- Flood light
- Width 50mm
- Serial Code A
- Basic model
- Low voltage
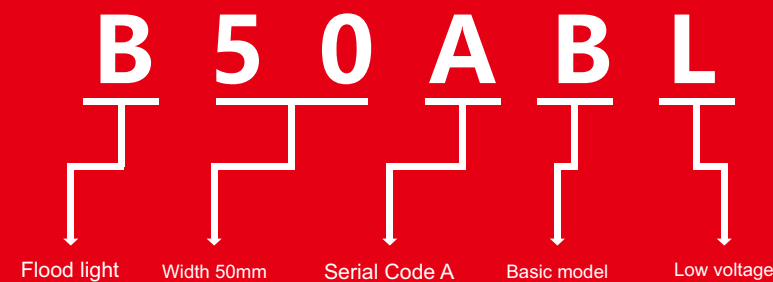
Product classification	Lamp width	Series characteristics	Derivative property	High/loe voltage
B: Flood light	Named based on the width of the product, in mm.	Serial code: A, B, C ... Z	B: basic model; L: with wings; R: Glare Shield	L: low voltage; H: high voltage

Testing and verification of Flood light series products (taking B265BBL 72W 3000K as an example)

Reliability test items	High and low temperature cyclic lighting aging test	Double-85 lighting accelerated aging test	Dual-85 storage test
Reference standard	Refer to GB 7000.1-2015 "Luminaires -Part 1: General Requirements and Tests"; Refer to GB/T 7922-2008 " Method of Measuring the Color of Light Sources Color of Lighting Source"; Refer to GB/T 24824-2009 "Measurement Methods of LED Modules for General Lighting"; Refer to GB/T 9468-2008 General Requirements forPhotometry and Goniophotometry of Luminaires; Refer to GB/T 7002-2008 Photometry for Floodlight; Refer to GB/T 2423.3-2008 "Test C: Damp Heat, Steady State, IDT";Refer to the Management Specification of Guangdong Province for LED Lighting Product Benchmarking System		
Reliability test conditions	High temperature of 65°C, humidity 93%, low temperature -40°C environment lighting aging test.	High temperature 85°C, humidity 85%, lighting aging test.	High temperature 85°C, humidity 85%, storage test for 1000H.
Reliability test time	1000H	1000H	1000H
0H Before test			
1000H Post test			

Test comparison results				
Color temperature (K)	3000±100K	8K deviation	11K deviation	22K deviation
Color rendering index (Ra)	≥80Ra	0.9 deviation	0.2 deviation	0.6 deviation
Color tolerance (SDCM)	<5SDCM	0.6 deviation	0.5 deviation	0.4 deviation
Luminous flux (lm)	> 3000lm	3.0% attenuation	4.2% attenuation	2.6% attenuation
Luminous efficacy (lm/w)	≥80lm/w	3.0% attenuation	4.2% attenuation	2.6% attenuation

	Item	Inspection basis	Test result determination
Safety regulation item	Identification (product name, model, voltage, power, frequency, IP protection grade, electric shock protection category, manufacturer)	Clause 3.2 of GB7000.1-2015 and corresponding sub-standards	Pass
	External wiring and internal wiring (external wiring model, sectional area)	Clauses 5.2.1 and 5.2.2 of GB7000.1-2015 and corresponding sub-standards	Pass
	Insulation resistance and electrical strength, touch current and protective conductor current (including 48-hour moisture test)	Clause 10 of GB7000.1-2015 and corresponding sub-standards	Pass
	High and low temperature cycle, IP66 waterproof test	High temperature 65°C, humidity 93%,RH ~ low temperature -40°C, Hold for 2H each, carry out cyclic test, and carry out Ip66 waterproof test (one waterproof test) after the equipment returns to 65°C for 30 minutes; a total of 10 cycles.	Pass
	Windproof detection, and safety performance detection of installation accessories (anti-falling safety hinges)	GB7000.7-2005 Safety Requirements for Floodlights; Clause 4.14.1 of GB7000.1-2015	Pass
	Corrosion resistance test	GB/T 10125-2012 salt spray test 48H	Pass
Electromagnetic compatibility	9kHz-30MHz power supply terminal disturbance voltage	Clause 4.3 of GB/T 17743-2017	Pass
	9kHz-30MHz radiated electromagnetic disturbance	Clause 4.4.1 of GB/T 17743-2017	Pass
	30MHz-300MHz radiated electromagnetic disturbance	Clause 4.4.2 of GB/T 17743-2017 (Anechoic Chamber Method)	Pass
	Harmonic current emissions	Clause 7.3 of GB/T 17625.1-2012	Pass
	Electrostatic	Clause 5.2 of GB/T 18595-2014 GB/T 17626.2-2006	Pass
	Radiation immunity	Clause 5.3 of GB/T 18595-2014 GB/T 17626.3-2016	Pass
	Surge	Clause 5.7 of GB/T 18595-2014 GB/T 17626.5-2008	Pass

EXC-CB145

Series C-Optimization
Flood Light

EXC-CB145 Series consists of square full-color lights with high-strength aluminum-alloy housing specially designed by EXC for outdoor landscape wash lighting,applicable on building facades,bridges, stages, etc.

EXC-CB145CBH

EXC-CB145CBL

Product Features

● New Generation DMX512 Parallel bus technology
● High-strength aluminum lamp body with low thermal resistance path heat dissipation design
● Snap-on glass structure waterproof
● Outdoor lightning protection and electrostatic (ESD) special protection design
● Load safety design
● Projection height: 3-15 meters

Product Size   Unit: mm

EXC-CB145CBH   EXC-CB145CBL

Light Distribution Curve

Schematic Diagram of Installation Method

Use M6 screws to fix the lamp mounting bracket to the required position as shown in the figure, and tighten the mounting seat fixing screws. After adjusting the angle of the lamp, tighten the link screw. Note that the installation is firm.
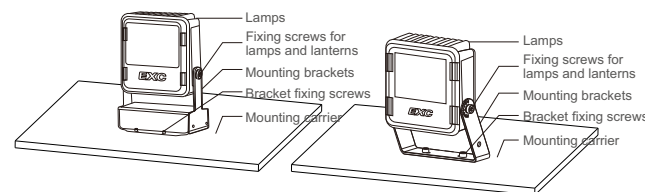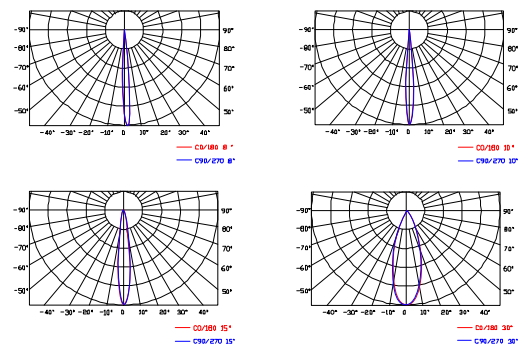
Basic Specifications	
Color	W/RGB/RGBW
Light source	SMD R/G/B/W LED
Life	35,000h
Material	High-strength die-cast aluminum/tempered glass
Weight	CB145CBH:1.90Kg CB145CBL:1.20Kg
Working conditions	
Operating temperature	-40℃ ~ 50℃
Storage temperature	-40℃ ~ 70℃
Protection rating	IP66
Application environment	Outdoor

Electrical parameters	
Operating Voltage	CB145CBH:AC220V CB145CBL:DC24V
Maximum power	36W
Optical parameters	
Beam angle	6°,8°,10°,15°,30°,other angles are optional
Controller	
Main Controller	EXC-Y220series,EXC-Y880series,EXC-M520series, EXC-5200series,EXC-6000series,EXC-8000series, EXC-10000series......
Sub Controller	EXC-S880,EXC-2905......

Available Models

Product model	Working voltage	Power	Light source	Angle	Control protocol	Gray scale	Material	Energy efficiency value	LED brand
CB145CBH	AC220V	36W	4xR+4xG+4xB	6/8/10/15/20/30 /45/60/80°	DMX512	65536	Aluminum + Glass	≥30 lm/w	Note 1
CB145CBH	AC220V	36W	3xR+3xG+3xB+3xW		DMX512	65536	Aluminum + Glass	≥40 lm/w	Note 1
CB145CBH	AC220V	36W	12xW		Chang Liang	/	Aluminum + Glass	≥60 lm/w	Note 1
CB145CBL	DC24V	36W	4xR+4xG+4xB		DMX512	65536	Aluminum + Glass	≥30 lm/w	Note 1
CB145CBL	DC24V	36W	3xR+3xG+3xB+3xW		DMX512	65536	Aluminum + Glass	≥40 lm/w	Note 1
CB145CBL	DC24V	36W	12xW		Chang Liang	/	Aluminum + Glass	≥60 lm/w	Note 1

Note 1:LED Brand: Cree/Osram/Lumileds/Taiwan/Mainland   Note2: Above optical parameter > 2700K,Cree/Osram/Lumileds

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EXC-CB185

Series C-Optimization
Flood Light

EXC-CB185 Series consists of square full-color lights with high-strength aluminum-alloy housing specially designed by EXC for outdoor landscape wash lighting,applicable on building facades,bridges, stages, etc.

EXC-CB185CBH

EXC-CB185CBL

Product Features

● New Generation DMX512 Parallel bus technology
● High-strength aluminum lamp body with low thermal resistance path heat dissipation design
● Snap-on glass structure waterproof
● Outdoor lightning protection and electrostatic (ESD) special protection design
● Load safety design
● Projection height: 3-15 meters

Product Size   Unit: mm

EXC-CB185CBH   EXC-CB185CBL

Light Distribution Curve

Schematic Diagram of Installation Method

Use M6 screws to fix the lamp mounting bracket to the required position as shown in the figure, and tighten the mounting seat fixing screws. After adjusting the angle of the lamp, tighten the link screw. Note that the installation is firm.
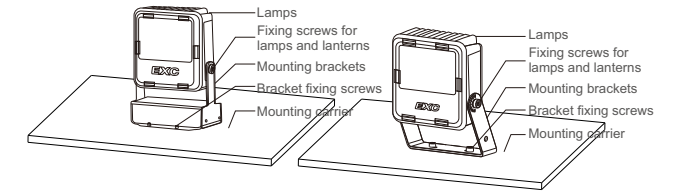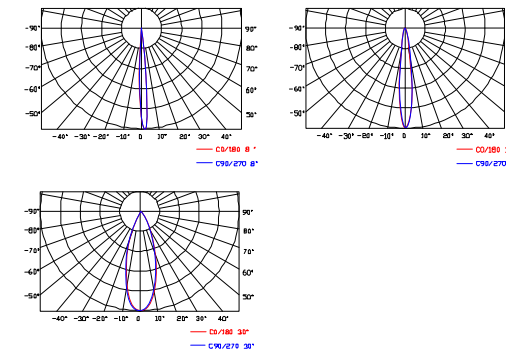
Basic Specifications	
Color	W/RGBW
Light source	SMD R/G/B/W/RGBW 4in1 LED
Life	35,000h
Material	High-strength die-cast aluminum/tempered glass
Weight	CB185CBH:2.5Kg CB185CBL:2.0Kg
Working conditions	
Operating temperature	-40℃ ~ 50℃
Storage temperature	-40℃ ~ 70℃
Protection rating	IP66
Application environment	Outdoor

Electrical parameters	
Operating Voltage	CB185CBH:AC220V CB185CBL:DC24V
Maximum power	72W(RGBW),72W(R+G+B+W),60W(R+G+B),72W(W)
Optical parameters	
Beam angle	8°,10°,15°,30°,other angles are optional
Controller	
Main Controller	EXC-Y220series,EXC-Y880series,EXC-M520series, EXC-5200series,EXC-6000series,EXC-8000series, EXC-10000series......
Sub Controller	EXC-S880,EXC-2905......

Available Models

Product model	Working voltage	Power	Light source	Angle	Control protocol	Gray scale	Material	Energy efficiency value	LED brand
CB185CBH	AC220V	48W~72W	6xR+6xG+6xB+6xW	6/8/10/15/20/30/45/60/80°	DMX512	65536	Aluminum + Glass	≥40 lm/w	Note 1
CB185CBH	AC220V	48W	24xRGBW	20/30/45/60°	DMX512	65536	Aluminum + Glass	≥30 lm/w	Note 1
CB185CBH	AC220V	36W	36xW	6/8/10/15/20/30/45/60/80°	Chang Liang	/	Aluminum + Glass	≥60 lm/w	Note 1
CB185CBL	DC24V	48W~72W	6xR+6xG+6xB+6xW	6/8/10/15/20/30/45/60/80°	DMX512	65536	Aluminum + Glass	≥40 lm/w	Note 1
CB185CBL	DC24V	60W~72W	24xRGBW	20/30/45/60/80°	DMX512	65536	Aluminum + Glass	≥30 lm/w	Note 1
CB185CBL	DC24V	60W~72W	24xW	6/8/10/15/20/30/45/60/80°	Chang Liang	/	Aluminum + Glass	≥60 lm/w	Note 1

Note 1:LED Brand: Cree/Osram/Lumileds/Taiwan/Mainland   Note2: Above optical parameter > 2700K,Cree/Osram/Lumileds

EXC-B120T
Series T ultra-thin flood light

EXC-B120T flood light full-color series products are a kind of high-strength aluminum alloy shell, ultra-thin flat-panel flood light by EXC for specific lighting areas or landscape wash lighting,applicable on building facades,bridges, stages, etc.

Product Features

● Chinese style, with seals and calligraphy paper (one of the four great inventions) as design elements
● Minimalist, ultra-thin design, product thickness is only 15mm
● Combination of modern technology, numbers and traditional Chinese culture, calligraphy and seals
● Load safety design
● Projection height: 3 meters

Product Size   Unit: mm

15
168
144
17
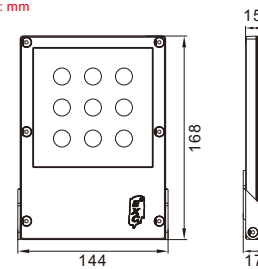
Light Distribution Curve
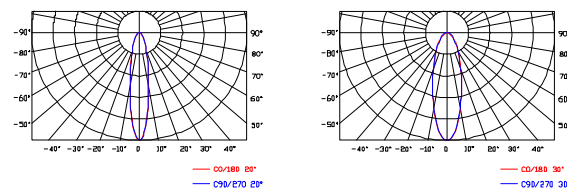
Schematic Diagram of Installation Method

Use two M6 screws to fix the lamp mounting bracket to the required position as shown in the figure, and tighten the mounting seat fixing screws. After adjusting the angle of the lamp, tighten the link screw. Note that the installation is firm.

Fixing screw of mounting base
Lamp
Connecting screw
Mounting carrier
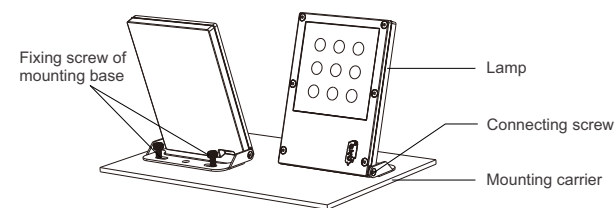
Basic Specifications

Color	W/RGB
Light source	SMD R/G/B/W LED
Life	35,000h
Material	High-strength die-cast aluminum/tempered glass
Weight	0.6Kg

Working conditions

Operating temperature	-40℃ ~ 50℃
Storage temperature	-40℃ ~ 70℃
Protection rating	IP66
Application environment	Outdoor

Electrical parameters

Operating Voltage	DC24V
Maximum power	15W

Optical parameters

Beam angle	15°,20°,30°,other angles are optional

Controller

Main Controller	EXC-Y220series,EXC-Y880series,EXC-M520series, EXC-5200series,EXC-6000series,EXC-8000series, EXC-10000series......
Sub Controller	EXC-S880,EXC-2905......

Available Models

Product model	Working voltage	Power	Light source	Angle	Control protocol	Gray scale	Material	Energy efficiency value	LED brand
B120TBL	DC24V	15W	9xW	15/20/30/45/60°	ON/OFF	/	Aluminum + Glass	≥65 lm/w	Note 1
B120TBL	DC24V	15W	9xW	15/20/30/45/60°	DMX512	256/65536	Aluminum + Glass	≥65 lm/w	Note 1
B120TBL	DC24V	15W	3xR+3xG+3xB	15/20/30/45/60°	DMX512	256/65536	Aluminum + Glass	≥35 lm/w	Note 1

Note 1:LED Brand: Cree/Osram/Lumileds/Taiwan/Mainland   Note2: Above optical parameter ＞2700K,Cree/Osram/Lumileds

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EXC-B50A
General flood light

EXC-B50A floodlight full-color series Series consists of full-color low-power spotlights, using CREE chips, with high-strength aluminum-alloy housing special designed by EXC for outdoor lighting. Each light is a separate lighting pixel, and each pixel can realize 65536 grades gray scale changing. It could be used for illumination in specific areas or landscape wash lighting , applicable on building facades, bridges, stages, etc.

Product Features

● High-strength aluminum lamp body with low thermal resistance path heat dissipation design
● High reliability modular design
● Outdoor lightning protection and electrostatic (ESD) special protection design
● Load safety design
● Projection height: 1 meter

Product Size   Unit: mm
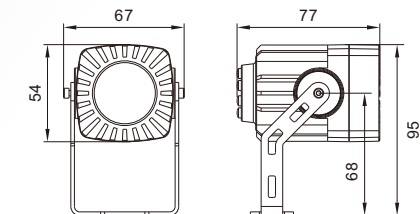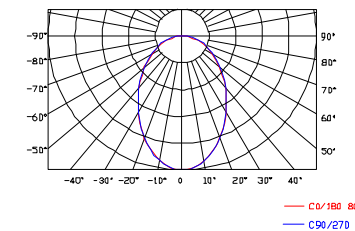
67   77
54
68
95

Light Distribution Curve

Schematic Diagram of Installation Method

Place the lamp on the carrier to be pre-installed, and confirm the lamp spacing requirements. Fix the bracket as shown.The screw is locked on the carrier, and the fixing screw of the mounting base is locked. Pay attention to the installation and adjustment of the lamps angle of illumination.
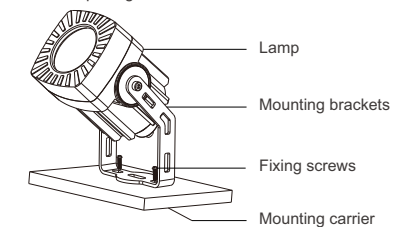
Lamp
Mounting brackets
Fixing screws
Mounting carrier

Basic Specifications

Color	W
Light source	SMD W LED
Life	35,000h
Material	High-strength die-cast aluminum/tempered glass
Weight	0.40Kg

Working conditions

Operating temperature	-40℃ ~ 50℃
Storage temperature	-40℃ ~ 70℃
Protection rating	IP66
Application environment	Outdoor

Electrical parameters

Operating Voltage	DC24V
Maximum power	3W

Optical parameters

Beam angle	8°,10°,15°,30°,other angles are optional

Controller

Main Controller	EXC-Y220series,EXC-Y880series,EXC-M520series, EXC-5200series,EXC-6000series,EXC-8000series, EXC-10000series......
Sub Controller	EXC-S880,EXC-2905......

Available Models

Product model	Working voltage	Power	Light source	Angle	Control protocol	Gray scale	Material	Energy efficiency value	LED brand
B50ABL	DC24V	3W	1xW	8/10/15/20/30/45/60/80°	ON/OFF	/	Aluminum + Glass	≥65 lm/w	Note 1
B50ABL	DC24V	3W	1xW	8/10/15/20/30/45/60/80°	DMX512	256/65536	Aluminum + Glass	≥65 lm/w	Note 1

Note 1:LED Brand: Cree/Osram/Lumileds/Taiwan/Mainland   Note2: Above optical parameter ＞2700K,Cree/Osram/Lumileds

EXC-B60A
General flood light

The EXC-B60A floodlight series is a high-strength aluminum alloy specially designed for outdoor landscape lighting.Shell, full-color high-power extremely narrow spotlight, with 3° professional lens, each lamp is an independent pixel, each pixel can achieve 65536 gray scale changes; It could be used for illumination in specific areas or landscape wash lighting , applicable on building facades, bridges, stages, etc.

Product Features

● Ultra-narrow beam angle design
● High-strength aluminum lamp body with low thermal resistance path heat dissipation design
● High reliability modular design
● Outdoor lightning protection and electrostatic (ESD) special protection design
● Load safety design
● Projection height: 5 meters

Product Size   Unit: mm

Light Distribution Curve

Schematic Diagram of Installation Method

Place the lamp on the carrier to be pre-installed, and confirm the lamp spacing requirements. Fix the bracket fixing screw as shown in the figure .The wire is locked on the carrier, and the fixing screw of the mounting base is locked. Pay attention to the installation firmly and adjust the lighting to be illuminated angle.
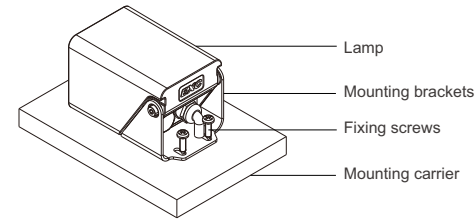
- Lamp
- Mounting brackets
- Fixing screws
- Mounting carrier

Basic Specifications

Basic Specifications	
Color	W/RGBW
Light source	SMD W/RGBW 4in1 LED
Life	35,000h
Material	High-strength die-cast aluminum/tempered glass
Weight	0.50Kg
Working conditions	
Operating temperature	-40℃ ~ 50℃
Storage temperature	-40℃ ~ 70℃
Protection rating	IP66
Application environment	Outdoor

Electrical parameters

Electrical parameters	
Operating Voltage	DC24V
Maximum power	5W (W), 7.5W (RGBW)
Optical parameters	
Beam angle	3°,8°,10°,other angles are optional
Controller	
Main Controller	EXC-Y220series,EXC-Y880series,EXC-M520series, EXC-5200series,EXC-6000series,EXC-8000series, EXC-10000series......
Sub Controller	EXC-S880,EXC-2905......

Available Models

Product model	Working voltage	Power	Light source	Angle	Control protocol	Gray scale	Material	Energy efficiency value	LED brand
B60ABL	DC24V	3W	1xW	3/8/10/15/30/60°	ON/OFF	/	Aluminum + Glass	≥65 lm/w	Note 1
B60ABL	DC24V	7.5W	1xRGBW	15/30/45/60°	DMX512	256/65536	Aluminum + Glass	≥30 lm/w	Note 1

Note 1:LED Brand: Cree/Osram/Lumileds/Taiwan/Mainland   Note2: Above optical parameter > 2700K,Cree/Osram/Lumileds

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EXC-B62ARL
Flood light

The Bird flood light series is a high-strength aluminum alloy shell specially designed for outdoor landscape lighting by EXC . The arc self-cleaning floodlight could be used for illumination in specific areas or landscape wash lighting , applicable on building facades, bridges, stages, etc.

Product Features

● Tired of flying home, and finally understand the happiness of waiting
● Smart bionic modeling, integrated with the environment
● Unique humanized anti-glare cut-off design
● Multi-angle light distribution can be realized, and the dark area at the bottom can be completely eliminated
● Unique lens design can achieve special effect requirements such as ultra-narrow, ultra-distant, and ultra-bright
● Innovative pressure balance waterproof design, protection grade Ip66
● Low thermal resistance path heat dissipation design, higher lamp life and reliability
● High corrosion resistance die-cast aluminum housing, with excellent heat dissipation and anti-corrosion performance

Product Size   Unit: mm

Light Distribution Curve

Schematic Diagram of Installation Method

Place the lamp on the carrier to be pre-installed, and confirm the lamp spacing requirements. Tighten the bracket fixing screws on the carrier as shown in the figure, and tighten the mounting base fixing screws. Pay attention to the firm installation and adjust the angle of the lamp to be illuminated.

- Lamps
- Angle adjustment screw
- Bracket fixing screw
- Mounting carrier

Basic Specifications

Basic Specifications	
Color	W
Light source	SMD W LED
Life	35,000h
Material	High-strength die-cast aluminum/tempered glass
Weight	0.7Kg
Working conditions	
Operating temperature	-40℃ ~ 50℃
Storage temperature	-40℃ ~ 70℃
Protection rating	IP66
Application environment	Outdoor

Electrical parameters

Electrical parameters	
Operating Voltage	DC24V
Maximum power	9W
Optical parameters	
Beam angle	10°,15°,30°,other angles are optional
Controller	
Main Controller	EXC-Y220series,EXC-Y880series,EXC-M520series, EXC-5200series,EXC-6000series,EXC-8000series, EXC-10000series......
Sub Controller	EXC-S880,EXC-2905......

Available Models

Product model	Working voltage	Power	Light source	Angle	Control protocol	Gray scale	Material	Energy efficiency value	LED brand
EXC-B62ARL	DC24V	3W/6W/9W	3x 1-3W-W	10/15/20/30/45/60°	DMX512	256/65536	Aluminum + Glass	≥65 lm/w	Note 1
EXC-B62ARL	DC24V	3W/6W/9W	3x 1-3W-W	10/15/20/30/45/60°	ON/OFF	/	Aluminum + Glass	≥65 lm/w	Note 1

Note 1:LED Brand: Cree/Osram/Lumileds/Taiwan/Mainland   Note2: Above optical parameter > 2700K,Cree/Osram/Lumileds

EXC-B65A
General flood light

EXC-B65A floodlight full-color series products are a high-strength aluminum alloy shell specially designed for outdoor landscape lighting by EXC, full-color high-power spotlights, each lamp is an independent pixel, and each pixel can achieve 65536 level gray scale changes; It could be used for illumination in specific areas or landscape wash lighting , applicable on building facades, bridges, stages, etc.

Product Features

● New Generation DMX512 Parallel Bus Technology Design
● High-strength aluminum lamp body with low thermal resistance path heat dissipation design
● High reliability modular design
● Outdoor lightning protection and electrostatic (ESD) special protection design
● Load safety design
● Projection height: 3 meters

Product Size   Unit: mm

Light Distribution Curve

Schematic Diagram of Installation Method

Place the lamp on the carrier to be pre-installed, and confirm the lamp spacing requirements. Fix the bracket as shown.The screw is locked on the carrier, and the fixing screw of the mounting base is locked. Pay attention to the installation and adjustment of the lamps and lanterns. The angle of illumination.
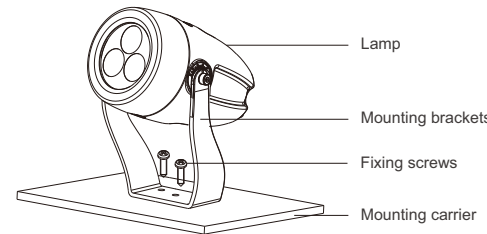
- Lamp
- Mounting brackets
- Fixing screws
- Mounting carrier

Basic Specifications

Basic Specifications	
Color	W/RGB
Light source	SMD R/G/B/W LED
Life	35,000h
Material	High-strength die-cast aluminum/tempered glass
Weight	0.59Kg
Working conditions	
Operating temperature	-40°C ~ 50°C
Storage temperature	-40°C ~ 70°C
Protection rating	IP66
Application environment	Outdoor

Electrical parameters

Electrical parameters	
Operating Voltage	DC24V
Maximum power	7.5W
Optical parameters	
Beam angle	15°,60°,other angles are optional
Controller	
Main Controller	EXC-Y220series,EXC-Y880series,EXC-M520series, EXC-5200series,EXC-6000series,EXC-8000series, EXC-10000series......
Sub Controller	EXC-S880,EXC-2905......

Available Models

Product model	Working voltage	Power	Light source	Angle	Control protocol	Gray scale	Material	Energy efficiency value	LED brand
B65ABL	DC24V	7.5W	3xW	10/15/20/30/45/60°	ON/OFF	/	Aluminum + Glass	≥65 lm/w	Note 1
B65ABL	DC24V	7.5W	1xR+1xG+1xB	10/15/20/30/45/60°	DMX512	256/65536	Aluminum + Glass	≥30 lm/w	Note 1
B65ARL	DC24V	7.5W	3xW	10/15/20/30/45/60°	ON/OFF	/	Aluminum + Glass	≥65 lm/w	Note 1
B65ARL	DC24V	7.5W	1xR+1xG+1xB	10/15/20/30/45/60°	DMX512	256/65536	Aluminum + Glass	≥30 lm/w	Note 1

Note 1:LED Brand: Cree/Osram/Lumileds/Taiwan/Mainland   Note2: Above optical parameter ＞2700K,Cree/Osram/Lumileds

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EXC-B80A
General flood light

EXC-B80A flood light full-color series products are a high-strength aluminum alloy shell specially designed for outdoor landscape lighting by EXC, full-color high-power spotlights. Each light is a separate lighting pixel, and each pixel can realize 65536 grades gray scale changing. It could be used for illumination in specific areas or landscape wash lighting , applicable on building facades, bridges, stages, etc.
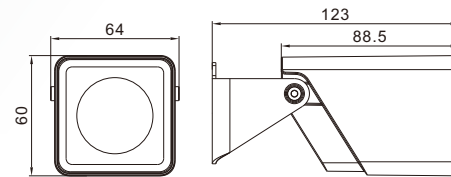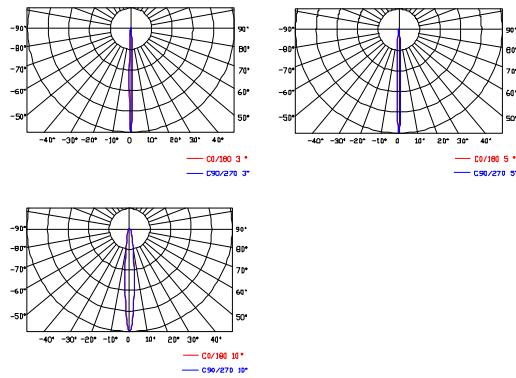
Product Features

● Ultra-narrow beam angle design
● High-strength aluminum lamp body with low thermal resistance path heat dissipation design
● High reliability modular design
● Outdoor lightning protection and electrostatic (ESD) special protection design
● Load safety design
● Projection height: 3 meters

Product Size   Unit: mm

Light Distribution Curve

Schematic Diagram of Installation Method

Place the lamp on the carrier to be pre-installed, and confirm the lamp spacing requirements. Tighten the bracket fixing screws on the carrier as shown in the figure, and tighten the mounting base fixing screws. Pay attention to the firm installation and adjust the angle of the lamp to be illuminated.

- Lamp
- Mounting brackets
- Fixing screws
- Mounting carrier

Basic Specifications

Basic Specifications	
Color	W/RGBW
Light source	SMD W/RGBW 4in1 LED
Life	35,000h
Material	High-strength die-cast aluminum/tempered glass
Weight	0.54Kg
Working conditions	
Operating temperature	-40°C ~ 50°C
Storage temperature	-40°C ~ 70°C
Protection rating	IP66
Application environment	Outdoor

Electrical parameters

Electrical parameters	
Operating Voltage	DC24V
Maximum power	9W
Optical parameters	
Beam angle	6°,10°,80°,other angles are optional
Controller	
Main Controller	EXC-Y220series,EXC-Y880series,EXC-M520series, EXC-5200series,EXC-6000series,EXC-8000series, EXC-10000series......
Sub Controller	EXC-S880,EXC-2905......

Available Models

Product model	Working voltage	Power	Light source	Angle	Control protocol	Gray scale	Material	Energy efficiency value	LED brand
B80ABL	DC24V	9W	3xW	6/8/10/15/20/30/45/60/80°	ON/OFF	/	Aluminum + Glass	≥65 lm/w	Note 1
B80ABL	DC24V	9W	3xRGBW	20/30/45/60°	DMX512	256/65536	Aluminum + Glass	≥30 lm/w	Note 1

Note 1:LED Brand: Cree/Osram/Lumileds/Taiwan/Mainland   Note2: Above optical parameter ＞2700K,Cree/Osram/Lumileds

EXC-B90A
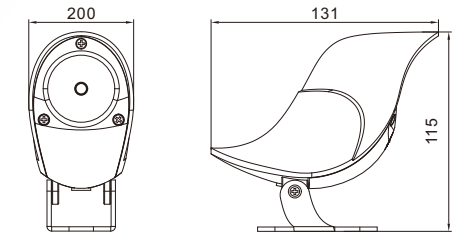## General flood light

EXC-B90A floodlight full-color series products are a high-strength aluminum alloy shell specially designed for outdoor landscape lighting by EXC, full-color high-power spotlights. Each light is a separate lighting pixel, and each pixel can realize 65536 grades gray scale changing. It could be used for illumination in specific areas or landscape wash lighting , applicable on building facades, bridges, stages, etc.
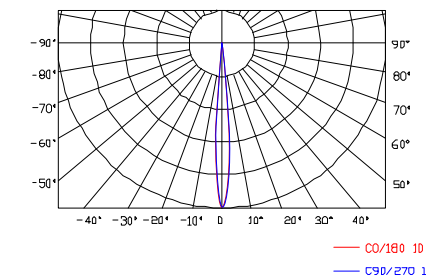
Product Features
● New generation DMX512 parallel bus technology design
● High-strength aluminum lamp body with low thermal resistance path heat dissipation design
● High reliability modular design
● Outdoor lightning protection and electrostatic (ESD) special protection design
● Load safety design
● Projection height: 3 meters

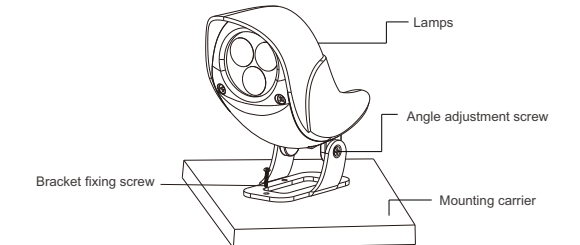### Product Size   Unit: mm

90 / 90
124 / 110

Light Distribution Curve

Schematic Diagram of Installation Method

Place the lamp on the carrier to be pre-installed, and confirm the lamp spacing requirements. Tighten the bracket fixing screws on the carrier as shown in the figure, and tighten the mounting base fixing screws. Pay attention to the firm installation and adjust the angle of the lamp to be illuminated.

Lamp
Fixing screw of mounting base
Mounting carrier

Basic Specifications

Basic Specifications	
Color	W/RGBW
Light source	SMD W/RGBW 4in1 LED
Life	35,000h
Material	High-strength die-cast aluminum/tempered glass
Weight	1.12Kg
Working conditions	
Operating temperature	-40℃ ~ 50℃
Storage temperature	-40℃ ~ 70℃
Protection rating	IP66
Application environment	Outdoor

Electrical parameters

Electrical parameters	
Operating Voltage	DC24V
Maximum power	15W (W)
Optical parameters	
Beam angle	10°,30°,80°,other angles are optional
Controller	
Main Controller	EXC-Y220series,EXC-Y880series,EXC-M520series, EXC-5200series,EXC-6000series,EXC-8000series, EXC-10000series......
Sub Controller	EXC-S880,EXC-2905......

Available Models

Product model	Working voltage	Power	Light source	Angle	Control protocol	Gray scale	Material	Energy efficiency value	LED brand
B90ABL	DC24V	9W	3xW	8/10/15/20/30 /45/60/80°	ON/OFF	/	Aluminum + Glass	≥65 lm/w	Note 1
B90ABL	DC24V	15W	3xW		ON/OFF	/	Aluminum + Glass	≥65 lm/w	Note 1
B90ABL	DC24V	12W	4xW		ON/OFF	/	Aluminum + Glass	≥65 lm/w	Note 1
B90ABL	DC24V	6W	3xRGBW	20/30/45/60°	DMX512	256/65536	Aluminum + Glass	≥40 lm/w	Note 1
B90ABL	DC24V	8W	4xRGBW		DMX512	256/65536	Aluminum + Glass	≥40 lm/w	Note 1
B90ABL	DC24V	10W	5xRGBW		DMX512	256/65536	Aluminum + Glass	≥40 lm/w	Note 1

Note 1:LED Brand: Cree/Osram/Lumileds/Taiwan/Mainland   Note2: Above optical parameter ＞2700K,Cree/Osram/Lumileds

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EXC-B125B
General flood light
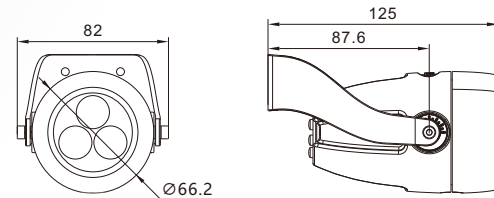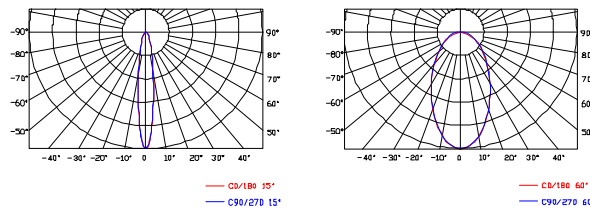
EXC-B125B floo dlight full-color series products are a high-strength aluminum alloy shell specially designed for outdoor landscape lighting by EXC. The square full-color floodlight could be used for illumination in specific areas or landscape wash lighting , applicable on building facades, bridges, stages, etc.

Product Features
● Ultra-narrow beam angle design
● High-strength aluminum lamp body with low thermal resistance path heat dissipation design
● High reliability modular design
● Outdoor lightning protection and electrostatic (ESD) special protection design
● Load safety design
● Projection height: 5 meters

Product Size   Unit: mm

125 / 95 / 145
76 / 51

Light Distribution Curve

Schematic Diagram of Installation Method

Use M5 screws to fix the lamp mounting bracket to the required position as shown in the figure. After the lamp is firmly installed, adjust the angle of the lamp according to actual needs and then lock the connection screws.

Lamp
Mounting brackets
Mounting carrier
Bracket fixing screw

Basic Specifications

Basic Specifications	
Color	W/RGB/RGBW
Light source	SMD R/G/B/W/RGBW 4in1 LED
Life	35,000h
Material	High-strength die-cast aluminum/tempered glass
Weight	1.09Kg
Working conditions	
Operating temperature	-40℃ ~ 50℃
Storage temperature	-40℃ ~ 70℃
Protection rating	IP66
Application environment	Outdoor

Electrical parameters

Electrical parameters	
Operating Voltage	DC24V
Maximum power	18W
Optical parameters	
Beam angle	6°,10°,30°,80°,other angles are optional
Controller	
Main Controller	EXC-Y220series,EXC-Y880series,EXC-M520series, EXC-5200series,EXC-6000series,EXC-8000series, EXC-10000series......
Sub Controller	EXC-S880,EXC-2905......

Available Models

Product model	Working voltage	Power	Light source	Angle	Control protocol	Gray scale	Material	Energy efficiency value	LED brand
B125BBL	DC24V	18W	6xW	6/8/10/15/20 /30/45/60/80°	ON/OFF	/	Aluminum + Glass	≥65 lm/w	Note 1
B125BBL	DC24V	18W	2xR+2xG+2xB		DMX512	256/65536	Aluminum + Glass	≥35 lm/w	Note 1
B125BBL	DC24V	12W	6xRGBW	20/30/45/60°	DMX512	256/65536	Aluminum + Glass	≥40 lm/w	Note 1

Note 1:LED Brand: Cree/Osram/Lumileds/Taiwan/Mainland   Note2: Above optical parameter ＞2700K,Cree/Osram/Lumileds
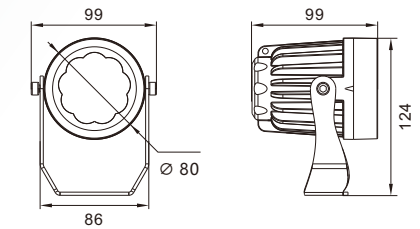
EXC-B150B
General flood light

EXC-B150B floodlight full color series products are a high-strength aluminum alloy shell designed specifically for outdoor landscape lighting by EXC , square full-color floodlights. Each light is a separate lighting pixel, and each pixel can realize 65536 grades gray scale changing. It could be used for illumination in specific areas or landscape wash lighting , applicable on building facades, bridges, stages, etc.
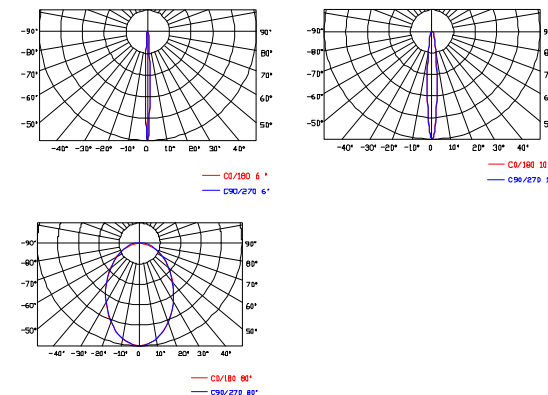
Special for small angle

Light Distribution Curve

Product Features

● New generation DMX512 parallel bus technology design
● High-strength aluminum lamp body with low thermal resistance path heat dissipation design
● High reliability modular design
● Outdoor lightning protection and electrostatic (ESD) special protection design
● Load safety design
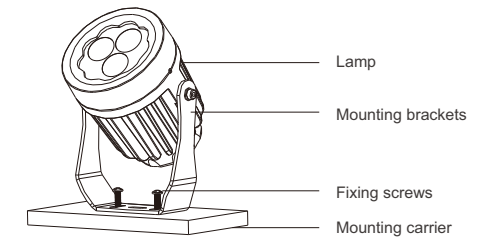● Projection height: 7 meters

Product Size   Unit: mm
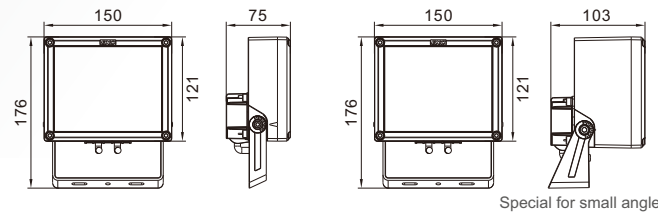
Special for small angle

Schematic Diagram of Installation Method

Use M5 screws to fix the lamp mounting bracket to the required position as shown in the figure, After the lamp is firmly installed, adjust the angle of the lamp according to actual needs and then lock the connection screws.

Lamp
Mounting brackets
Mounting carrier
Bracket fixing screw
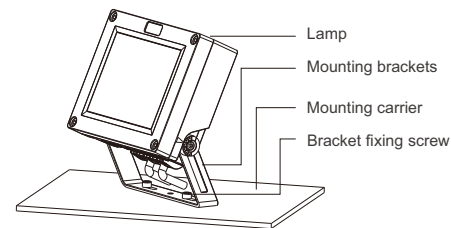
Basic Specifications
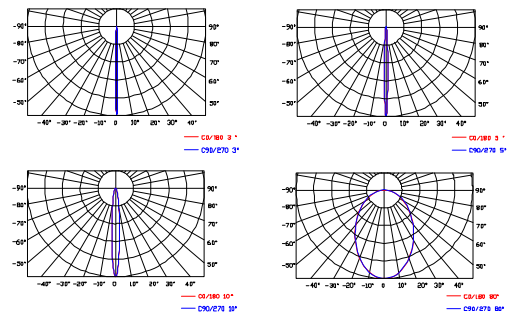
Basic Specifications	
Color	W/RGB/RGBW
Light source	SMD R/G/B/W/RGBW 4in1 LED
Life	35,000h
Material	High-strength die-cast aluminum/tempered glass
Weight	1.40Kg
Working conditions	
Operating temperature	-40℃ ~ 50℃
Storage temperature	-40℃ ~ 70℃
Protection rating	IP66
Application environment	Outdoor

Electrical parameters

Electrical parameters	
Operating Voltage	DC24V
Maximum power	36W
Optical parameters	
Beam angle	3°,6°,10°,80°,other angles are optional
Controller	
Main Controller	EXC-Y220series,EXC-Y880series,EXC-M520series, EXC-5200series,EXC-6000series,EXC-8000series, EXC-10000series......
Sub Controller	EXC-S880,EXC-2905......

Available Models

Product model	Working voltage	Power	Light source	Angle	Control protocol	Gray scale	Material	Energy efficiency value	LED brand
B150BBL	DC24V	12W	4xW	3°	ON/OFF	/	Aluminum + Glass	≥65 lm/w	Note 1
B150BBL	DC24V	18W	4xW	5°	ON/OFF	/	Aluminum + Glass	≥65 lm/w	Note 1
B150BBL	DC24V	24W	4xR+4xG+4xB	6/8/10/15/20/30 /45/60/80°	DMX512	256/65536	Aluminum + Glass	≥25 lm/w	Note 1
B150BBL	DC24V	24W	12xRGBW		DMX512	256/65536	Aluminum + Glass	≥35 lm/w	Note 1

Note 1:LED Brand: Cree/Osram/Lumileds/Taiwan/Mainland   Note2: Above optical parameter＞2700K,Cree/Osram/Lumileds

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EXC-B210B
General flood light

EXC-B210 floodlight full-color series products are a square high-strength aluminum alloy shell designed specifically for outdoor landscape lighting by EXC,. It could be used for illumination in specific areas or landscape wash lighting , applicable on building facades, bridges, stages, etc.

Light Distribution Curve

Product Features

● New generation DMX512 parallel bus technology design
● Patented comb-shaped convection heat dissipation design
● High-strength aluminum lamp body with low thermal resistance path heat dissipation design
● High reliability modular design
● Outdoor lightning protection and electrostatic (ESD) special protection design
● Load safety design, projection height: 15 meters

Product Size   Unit: mm

EXC - B210BBL   EXC - B210BBH

Schematic Diagram of Installation Method

Use M8 screws to fix the lamp mounting bracket to the required position as shown in the figure, tighten the fixing screws of the mounting base, adjust the angle of the lamp. After the lamp is firmly installed, adjust the angle of the lamp according to actual needs and then lock the connection screws.

Lamp
Mounting brackets
Mounting carrier
Bracket fixing screw

Basic Specifications

Basic Specifications	
Color	W/RGBW
Light source	SMD R/G/B/W/RGBW 4in1 LED
Life	35,000h
Material	High-strength die-cast aluminum/tempered glass
Weight	B210BBL : 2.80Kg B210BBH : 3.14Kg
Working conditions	
Operating temperature	-40℃ ~ 50℃
Storage temperature	-40℃ ~ 70℃
Protection rating	IP66
Application environment	Outdoor

Electrical parameters

Electrical parameters	
Operating Voltage	B210BBL :DC24V B210BBH : AC220V
Maximum power	48W(W),60W(RGBW)
Optical parameters	
Beam angle	6°,10°,30°,80°,other angles are optional
Controller	
Main Controller	EXC-Y220series,EXC-Y880series,EXC-M520series, EXC-5200series,EXC-6000series,EXC-8000series, EXC-10000series......
Sub Controller	EXC-S880,EXC-2905......

Available Models

Product model	Working voltage	Power	Light source	Angle	Control protocol	Gray scale	Material	Energy efficiency value	LED brand
B210BBL/B210BBH	DC24V/AC220V	24W	8xW	3°	ON OFF/DMX512	255/65536	Aluminum + Glass	≥65 lm/w	Cree-xpe2
B210BBL	DC24V	48W	24xW	6/8/10/15/20/30/45/60/80°	ON/OFF	/	Aluminum + Glass	≥65 lm/w	Note 1
B210BBL	DC24V	60W	6xR+6xG+6xB+6xW	6/8/10/15/20/30/45/60/80°	DMX512	256/65536	Aluminum + Glass	≥40 lm/w	Note 1
B210BBL	DC24V	48W	24xRGBW	20/30/45/60°	DMX512	256/65536	Aluminum + Glass	≥40 lm/w	Note 1
B210BBH	AC220V	48W	24xW	6/8/10/15/20/30/45/60/80°	ON/OFF	/	Aluminum + Glass	≥65 lm/w	Note 1
B210BBH	AC220V	60W	6xR+6xG+6xB+6xW	6/8/10/15/20/30/45/60/80°	DMX512	256/65536	Aluminum + Glass	≥35 lm/w	Note 1
B210BBH	AC220V	48W	24xRGBW	20/30/45/60°	DMX512	256/65536	Aluminum + Glass	≥35 lm/w	Note 1

Note 1:LED Brand: Cree/Osram/Lumileds/Taiwan/Mainland   Note2: Above optical parameter＞2700K,Cree/Osram/Lumileds
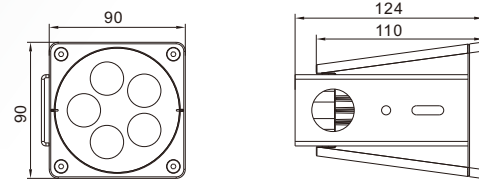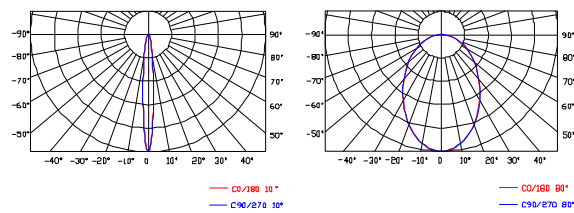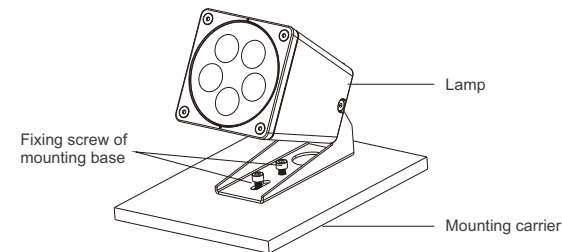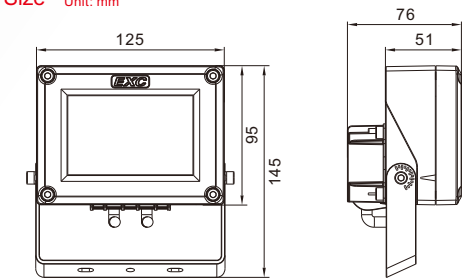
EXC-B265B
General flood light

The EXC-B265 floodlight full-color series product is a high-strength aluminum alloy shell specially designed for outdoor landscape lighting by EXC. The square full-color floodlight could be used for illumination in specific areas or landscape wash lighting , applicable on building facades, bridges, stages, etc.
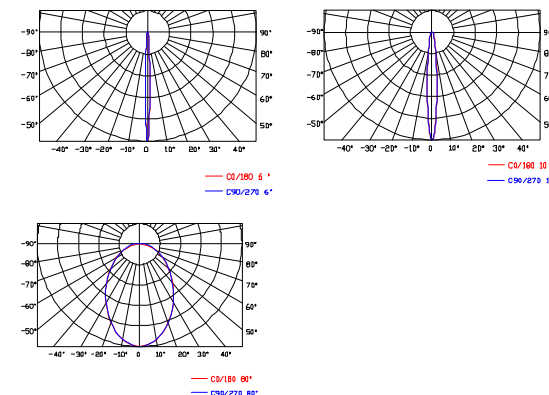
Product Features

- New generation DMX512 parallel bus technology design
- Patented comb-shaped convection heat dissipation design
- High-strength aluminum lamp body with low thermal resistance path heat dissipation design
- High reliability modular design
- Outdoor lightning protection and electrostatic (ESD) special protection design
- Load safety design, projection height: 20 meters

Product Size   Unit: mm
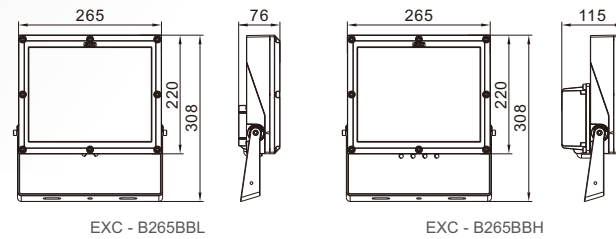
265 | 76 | 265 | 115
220 / 308
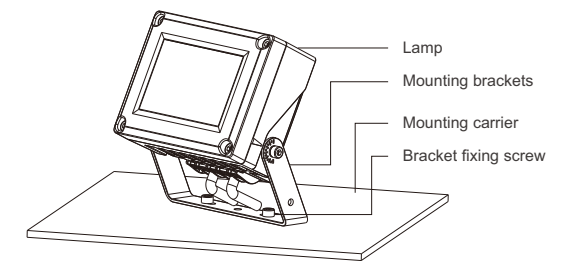
EXC - B265BBL   EXC - B265BBH

Light Distribution Curve

Schematic Diagram of Installation Method

Use M5 screws to fix the lamp mounting bracket to the required position as shown in the figure. After the lamp is firmly installed, adjust the angle of the lamp according to actual needs and then lock the connection screws.

Lamp
Mounting brackets
Mounting carrier
Bracket fixing screw

Basic Specifications

Color	W/RGB/RGBW/RGBACB
Light source	SMD R/G/B/W/A/C/RGBW 4in1 LED
Life	35,000h
Material	High-strength die-cast aluminum/tempered glass
Weight	B265BBL : 4.10Kg B265BBH : 4.43Kg

Working conditions

Operating temperature	-40℃ ~ 50℃
Storage temperature	-40℃ ~ 70℃
Protection rating	IP66
Application environment	Outdoor

Electrical parameters

Operating Voltage	B265BBL : DC24V B265BBH : AC220V
Maximum power	72W (W),108W (RGBW\RGBACB)

Optical parameters

Beam angle	6°,10°,30°,80°,other angles are optional

Controller

Main Controller	EXC-Y220series,EXC-Y880series,EXC-M520series, EXC-5200series,EXC-6000series,EXC-8000series, EXC-10000series......
Sub Controller	EXC-S880,EXC-2905......

Available Models

Product model	Working voltage	Power	Light source	Angle	Control protocol	Gray scale	Material	Energy efficiency value	LED brand
B265BBL/B265BBH	DC24V/AC220V	48W	18xW	3°	ON OFF/DMX512	255/65536	Aluminum + Glass	≥65 lm/w	Cree-xpe2
B265BBL	DC24V	72W	36xW	6/8/10/15/20/30/45/60°	ON/OFF	/	Aluminum + Glass	≥65 lm/w	Note 1
B265BBL	DC24V	72W	48xW	6/8/10/15/20/30/45/60°	ON/OFF	/	Aluminum + Glass	≥65 lm/w	Note 1
B265BBL	DC24V	72W	12xR+12xG+12xB	6/8/10/15/20/30/45/60°	ON/OFF	256/65536	Aluminum + Glass	≥35 lm/w	Note 1
B265BBH	AC220V	108W	48xW	6/8/10/15/20/30/45/60°	DMX512	/	Aluminum + Glass	≥65 lm/w	Note 1
B265BBH	AC220V	108W	12xR+12xG+12xB+12xW	6/8/10/15/20/30/45/60°	DMX512	256/65536	Aluminum + Glass	≥35 lm/w	Note 1
B265BBH	AC220V	96W	48xRGBW	6/8/10/15/20/30/45/60°	DMX512	256/65536	Aluminum + Glass	≥35 lm/w	Note 1
B265BBH Wide color gamut	AC220V	108W	10xR+10xG+10xB+10xA +10xC+10xB (Royal)	15°	DMX512	65536	Aluminum + Glass	≥35 lm/w	Note 1

Note 1:LED Brand: Cree/Osram/Lumileds/Taiwan/Mainland   Note2: Above optical parameter ＞2700K,Cree/Osram/Lumileds

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EXC-B330B
General flood light

EXC-B330B floodlight full-color series products are a high-strength aluminum alloy shell specially designed for outdoor landscape lighting by EXC, self-cleaning arc surface floodlights, It could be used for illumination in specific areas or landscape wash lighting , applicable on building facades, bridges, stages, etc.

Product Features

- The appearance is concise, with a sense of science and technology
- Horizontal angle adjustment, clear display of adjustment angle
- Curved glass, beautiful, self-cleaning
- Load safety design
- Projection height: 30 meters

Product Size   Unit: mm

330 | 131
235 / 309

Light Distribution Curve

Schematic Diagram of Installation Method

Use 2 M10 screws to fix the lamp to the required position as shown in the figure. After the lamp is firmly installed, adjust the angle of the lamp according to actual needs and then lock the connection screws.

Lamp
Connecting screw
Mounting carrier
Bracket fixing screw

Basic Specifications

Color	W/RGB/RGBW/RGBACB
Light source	SMD R/G/B/W/A/C LED
Life	35,000h
Material	High-strength die-cast aluminum/tempered glass
Weight	8.99Kg

Working conditions

Operating temperature	-40℃ ~ 50℃
Storage temperature	-40℃ ~ 70℃
Protection rating	IP66
Application environment	Outdoor

Electrical parameters

Operating Voltage	AC220V
Maximum power	200W

Optical parameters

Beam angle	3°,6°,10°,30°,80°,other angles are optional

Controller

Main Controller	EXC-Y220series,EXC-Y880series,EXC-M520series, EXC-5200series,EXC-6000series,EXC-8000series, EXC-10000series......
Sub Controller	EXC-S880,EXC-2905......

Available Models

Product model	Working voltage	Power	Light source	Angle	Control protocol	Gray scale	Material	Energy efficiency value	LED brand
B330BBH	AC220V	72W	24xW	3°	ON OFF/DMX512	256/65536	Aluminum + Glass	≥65 lm/w	Cree-xpe2
B330BBH	AC220V	150W	48xW	6/8/10/15/20/30/45/60°	ON/OFF	/	Aluminum + Glass	≥65 lm/w	Note 1
B330BBH	AC220V	120W	60xW	6/8/10/15/20/30/45/60°	ON/OFF	/	Aluminum + Glass	≥65 lm/w	Note 1
B330BBH	AC220V	200W	60xW	6/8/10/15/20/30/45/60°	ON/OFF	/	Aluminum + Glass	≥65 lm/w	Note 1
B330BBH	AC220V	150W	20xR+20xG+20xB	6/8/10/15/20/30/45/60°	DMX512	256/65536	Aluminum + Glass	≥30 lm/w	Note 1
B330BBH	AC220V	120W	12xR+12xG+12xB+12xW	6/8/10/15/20/30/45/60°	DMX512	256/65536	Aluminum + Glass	≥35 lm/w	Note 1
B330BBH	AC220V	180W	16xR+13xG+13xB+14xW	6/8/10/15/20/30/45/60°	DMX512	256/65536	Aluminum + Glass	≥35 lm/w	Note 1
B330BBH Wide color gamut	AC220V	150W	10xR+10xG+10xB+10xA +10xC+10xB(Royal)	12°	DMX512	65536	Aluminum + Glass	≥35 lm/w	Note 1

Note 1:LED Brand: Cree/Osram/Lumileds/Taiwan/Mainland   Note2: Above optical parameter ＞2700K,Cree/Osram/Lumileds
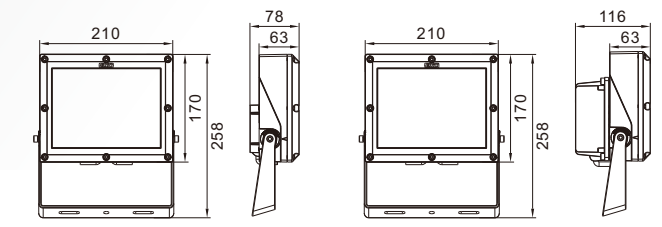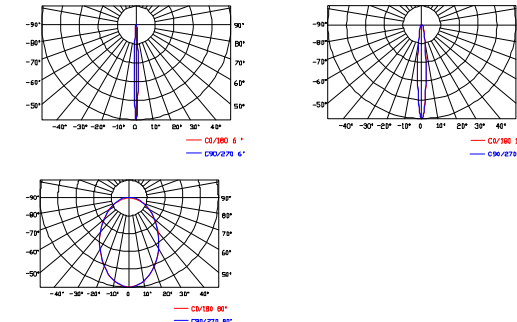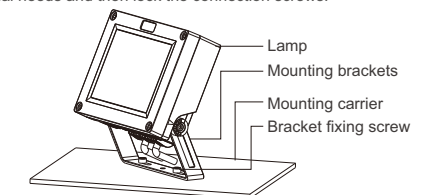
EXC-B400B
General flood light

EXC-B400B floodlight full-color series products are a high-strength aluminum alloy shell specially designed for outdoor landscape lighting by EXC, self-cleaning arc surface floodlights. It could be used for illumination in specific areas or landscape wash lighting , applicable on building facades, bridges, stages, etc.

■ Product Features

● The appearance is concise, with a sense of science and technology

● Horizontal angle adjustment, clear display of adjustment angle

● Curved glass, beautiful, self-cleaning

● Load safety design

● Projection height: 50 meters

■ Product Size   Unit: mm

400 139 305 404

■ Light Distribution Curve

Basic Specifications

Color	W/RGB/RGBW
Light source	SMD R/G/B/W//RGBW 4in1 LED
Life	35,000h
Material	High-strength die-cast aluminum/tempered glass
Weight	12.0Kg

Working conditions

Operating temperature	-40℃ ~ 50℃
Storage temperature	-40℃ ~ 70℃
Protection rating	IP66
Application environment	Outdoor

■ Schematic Diagram of Installation Method

Use two M10 screws to fix the lamp to the required position as shown in the figure. After the installation is firm, adjust the angle of the lamp according to actual needs and then tighten the connecting screws.

Lamp
Connecting screw
Mounting carrier
Bracket fixing screw

Electrical parameters

Operating Voltage	AC220V
Maximum power	240W (W),300W (RGBW)

Optical parameters

Beam angle	3°,6°,10°,30°,80°,other angles are optional

Controller

Main Controller	EXC-Y220series,EXC-Y880series,EXC-M520series, EXC-5200series,EXC-6000series,EXC-8000series, EXC-10000series......
Sub Controller	EXC-S880,EXC-2905......

■ Available Models

Product model	Working voltage	Power	Light source	Angle	Control protocol	Gray scale	Material	Energy efficiency value	LED brand
B400BBH	AC220V	150W	48xW	3°	ON OFF/DMX512	256/65536	Aluminum + Glass	≥65 lm/w	Cree-xpe2
B400BBH	AC220V	240W	96xW	6/8/10/15/20/30/45/60°	ON/OFF	/	Aluminum + Glass	≥65 lm/w	Note 1
B400BBH	AC220V	200W	24xR+24xG+24xB	6/8/10/15/20/30/45/60°	ON/OFF	/	Aluminum + Glass	≥30 lm/w	Note 1
B400BBH	AC220V	200W	18xR+18xG+18xB+18xW	6/8/10/15/20/30/45/60°	DMX512	256/65536	Aluminum + Glass	≥35 lm/w	Note 1
B400BBH	AC220V	240W	32xR+32xG+32xB	6/8/10/15/20/30/45/60°	DMX512	256/65536	Aluminum + Glass	≥30 lm/w	Note 1
B400BBH	AC220V	300W	24xR+24xG+24xB+24xW	6/8/10/15/20/30/45/60°	DMX512	256/65536	Aluminum + Glass	≥35 lm/w	Note 1
B400BBH	AC220V	200W	96xRGBW	20/30/45/60°	DMX512	256/65536	Aluminum + Glass	≥35 lm/w	Note 1

Note 1:LED Brand: Cree/Osram/Lumileds/Taiwan/Mainland   Note2: Above optical parameter ＞2700K,Cree/Osram/Lumileds

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EXC-B175A
## Series M-Multi combination Flood Light

The EXC-B175A floodlight full-color series product is a high-strength aluminum alloy shell specially designed for outdoor landscape lighting by EXC. It could be used for illumination in specific areas or landscape wash lighting , applicable on building facades, bridges, stages, etc.
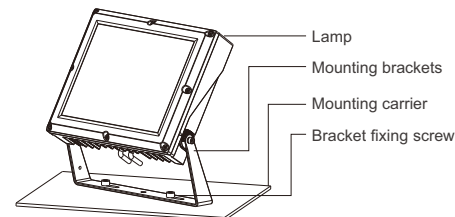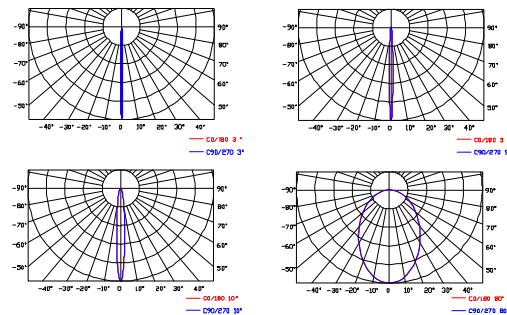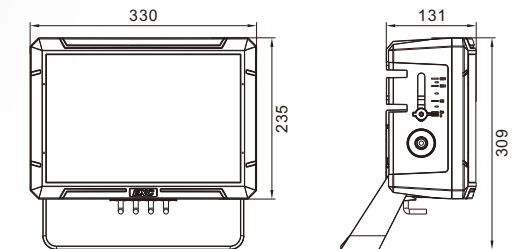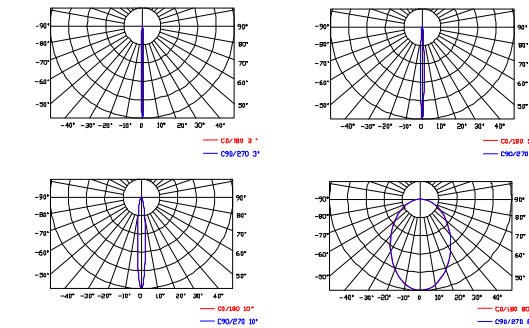
■ Product Features

● Triangular cross-section design, stable and concise, compact structure

● Curved glass, built-in grille, modular design

● A variety of combinations and mounting brackets to meet different use environments

● Load safety design

● Projection height: 30-100 meters

■ Product Size   Unit: mm

578 172 173

■ Light Distribution Curve

Basic Specifications

Color	W/RGBW
Light source	SMD R/G/B/W/RGBW 4in1 LED
Life	35,000h
Material	High-strength aluminum alloy/tempered glass Weight
Weight	6.68Kg

Working conditions

Operating temperature	-40℃ ~ 50℃
Storage temperature	-40℃ ~ 70℃
Protection rating	IP66
Application environment	Outdoor

■ Schematic Diagram of Installation Method

Use 2 M10 screws to fix the lamp to the required position as shown in the figure. After the installation is firm, adjust the angle of the lamp according to actual needs and then tighten the connecting screws.

Lamp
Connecting screw
Mounting carrier
Bracket fixing screws

Electrical parameters

Operating Voltage	AC220V
Maximum power	Signal end:100W(W),150W(RGBW)

Optical parameters

Beam angle	3°,6°,10°,80°,other angles are optional

Controller

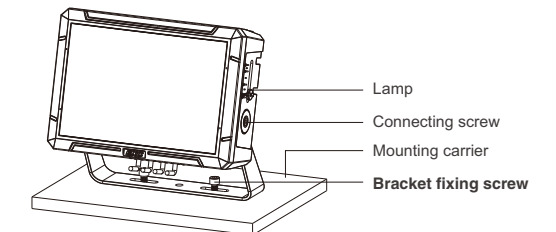|	
Main Controller	EXC-Y220series,EXC-Y880series,EXC-M520series, EXC-5200series,EXC-6000series,EXC-8000series, EXC-10000series......
Sub Controller	EXC-S880,EXC-2905......

■ Available Models

Product model	Working voltage	Power	Light source	Angle	Control protocol	Gray scale	Material	Energy efficiency value	LED brand
B175ABH	AC220V	100W	36xW	3°	ON OFF/DMX512	256/65536	Aluminum + Glass	≥65 lm/w	Cree-xpe2
B175ABH	AC220V	120W	72xW	6/8/10/15/20/30/45/60°	ON/OFF	/	Aluminum + Glass	≥65 lm/w	Note 1
B175ABH	AC220V	150W	18xR+18xG+18xB+18xW	6/8/10/15/20/30/45/60°	DMX512	256/65536	Aluminum + Glass	≥35 lm/w	Note 1
B175ABH	AC220V	100W	48xRGBW	20/30/45/60°	DMX512	256/65536	Aluminum + Glass	≥35 lm/w	Note 1
B175ABH	AC220V	150W	72xRGBW	20/30/45/60°	DMX512	256/65536	Aluminum + Glass	≥35 lm/w	Note 1

Note 1:LED Brand: Cree/Osram/Lumileds/Taiwan/Mainland   Note2: Above optical parameter ＞2700K,Cree/Osram/Lumileds

EXC-B175B

Series M-Multi combination
Flood Light

The EXC-B175A floodlight full-color series product is a high-strength aluminum alloy shell specially designed for outdoor landscape lighting by EXC. It could be used for illumination in specific areas or landscape wash lighting , applicable on building facades, bridges, stages, etc.

Product Features

● Triangular cross-section design, stable and concise, compact structure
● Curved glass, built-in grille, modular design
● A variety of combinations and mounting brackets to meet different use environments
● Load safety design
● Projection height: 30-100 meters

Product Size   Unit: mm

372
288
241

Schematic Diagram of Installation Method

Use 4 M10 screws to fix the lamp to the required position as shown in the figure. After the installation is firm, adjust the angle of the lamp according to actual needs and then tighten the connecting screws.

Lamp
Connecting screw
Installation bracket
Mounting carrier
Bracket fixing screws

Light Distribution Curve

Basic Specifications

Color	W/RGBW
Light source	SMD R/G/B/W//RGBW 4in1 LED
Life	35,000h
Material	High-strength aluminum alloy/tempered glass Weight
Weight	18.86Kg

Working conditions

Operating temperature	-40℃ ~ 50℃
Storage temperature	-40℃ ~ 70℃
Protection rating	IP66
Application environment	Outdoor

Electrical parameters

Operating Voltage	AC220V
Maximum power	Single end: 100W (W),150W (RGBW)

Optical parameters

Beam angle	3°,5°,10°,80°,other angles are optional

Controller

Main Controller	EXC-Y220series,EXC-Y880series,EXC-M520series, EXC-5200series,EXC-6000series,EXC-8000series, EXC-10000series......
Sub Controller	EXC-S880,EXC-2905......

Available Models

Product model	Working voltage	Power	Light source	Angle	Control protocol	Gray scale	Material	Energy efficiency value	LED brand
B175BBH	AC220V	2*100W	2*36xW	3°	ON OFF/DMX512	256/65536	Aluminum + Glass	≥65 lm/w	Cree-xpe2
B175BBH	AC220V	2*120W	2*72xW	6/8/10/15/20/30/45/60°	ON/OFF	/	Aluminum + Glass	≥65 lm/w	Note 1
B175BBH	AC220V	2*100W	2*(18xR+18xG+18xB+18xW)	6/8/10/15/20/30/45/60°	DMX512	256/65536	Aluminum + Glass	≥35 lm/w	Note 1
B175BBH	AC220V	2*100W	2*48xRGBW	20/30/45/60°	DMX512	256/65536	Aluminum + Glass	≥35 lm/w	Note 1
B175BBH	AC220V	2*150W	2*72xRGBW	20/30/45/60°	DMX512	256/65536	Aluminum + Glass	≥35 lm/w	Note 1

Note 1:LED Brand: Cree/Osram/Lumileds/Taiwan/Mainland   Note2: Above optical parameter ＞2700K,Cree/Osram/Lumileds

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EXC-B175C

Series M-Multi combination
Flood Light

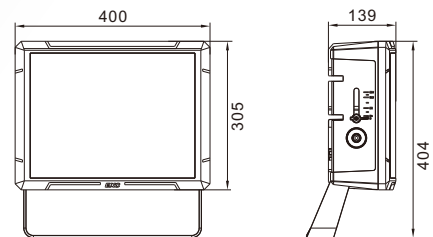The EXC-B175A floodlight full-color series product is a high-strength aluminum alloy shell specially designed for outdoor landscape lighting by EXC. It could be used for illumination in specific areas or landscape wash lighting , applicable on building facades, bridges, stages, etc.
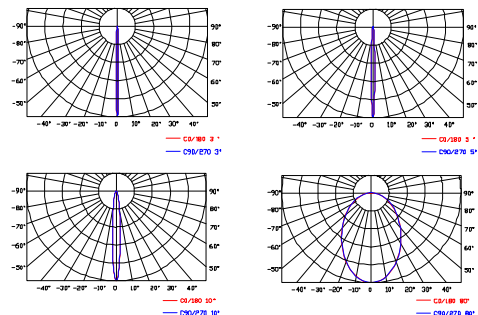
Product Features

● Triangular cross-section design, stable and concise, compact structure
● Curved glass, built-in grille, modular design
● A variety of combinations and mounting brackets to meet different use environments
● Load safety design
● Projection height: 30-100 meters

Product Size   Unit: mm

572
431
330

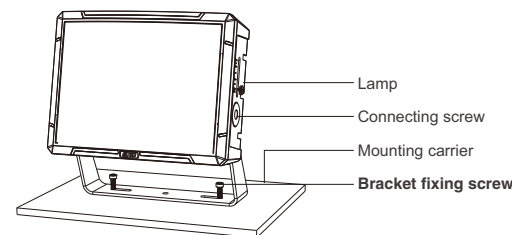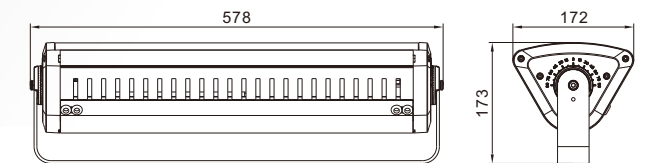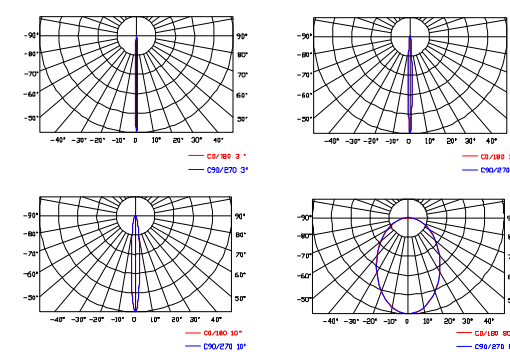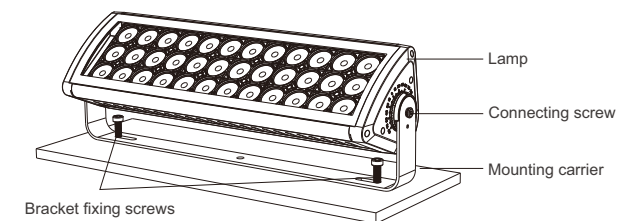## Schematic Diagram of Installation Method

Use 4 M10 screws to fix the lamp to the required position as shown in the figure. After the installation is firm, adjust the angle of the lamp according to actual needs and then tighten the connecting screws.

Lamp
Connecting screw
Installation bracket
Mounting carrier
Bracket fixing screws

Light Distribution Curve

Basic Specifications

Color	W/RGBW
Light source	SMD R/G/B/W/RGBW 4in1 LED
Life	35,000h
Material	High-strength aluminum alloy/tempered glass Weight
Weight	28.06Kg

Working conditions

Operating temperature	-40℃ ~ 50℃
Storage temperature	-40℃ ~ 70℃
Protection rating	IP66
Application environment	Outdoor

Electrical parameters

Operating Voltage	AC220V
Maximum power	Signal end:100W(W),150W(RGBW)

Optical parameters

Beam angle	3°,6°,10°,80°,other angles are optional

Controller

Main Controller	EXC-Y220series,EXC-Y880series,EXC-M520series, EXC-5200series,EXC-6000series,EXC-8000series, EXC-10000series......
Sub Controller	EXC-S880,EXC-2905......

Available Models

Product model	Working voltage	Power	Light source	Angle	Control protocol	Gray scale	Material	Energy efficiency value	LED brand
B175CBH	AC220V	3x100W	3*36xW	3°	ON OFF/DMX512	256/65536	Aluminum + Glass	≥65 lm/w	Cree-xpe2
B175CBH	AC220V	3*120W	3*72xW	6/8/10/15/20/30/45/60°	ON/OFF	/	Aluminum + Glass	≥65 lm/w	Note 1
B175CBH	AC220V	3*150W	3*(18xR+18xG+18xB+18xW)	6/8/10/15/20/30/45/60°	DMX512	256/65536	Aluminum + Glass	≥35 lm/w	Note 1
B175CBH	AC220V	3*100W	3*48xRGBW	20/30/45/60°	DMX512	256/65536	Aluminum + Glass	≥35 lm/w	Note 1
B175CBH	AC220V	3*150W	3*72xRGBW	20/30/45/60°	DMX512	256/65536	Aluminum + Glass	≥35 lm/w	Note 1

Note 1:LED Brand: Cree/Osram/Lumileds/Taiwan/Mainland   Note2: Above optical parameter ＞2700K,Cree/Osram/Lumileds
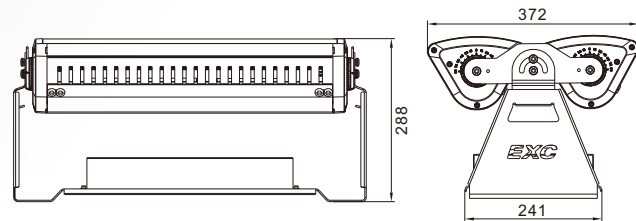
EXC-B246ABL
Flood light

EXC-B246ABL flood light full-color series products are a high-strength aluminum alloy shell specially designed for outdoor landscape lighting by EXC , self-cleaning arc surface floodlights, which could be used for illumination in specific areas or landscape wash lighting , applicable on building facades, bridges, stages, etc.

Product Features

● Unique humanized anti-glare interception design, built-in cylindrical anti-glare grid optics
● Multi-angle light distribution can be realized, and the dark area at the bottom can be completely eliminated
● Unique lens design can achieve special effect requirements such as ultra-narrow, ultra-distant, and ultra-bright
● Innovative pressure balance waterproof design, protection grade Ip66
● Low thermal resistance path heat dissipation design, higher lamp life and reliability
● High corrosion resistance die-cast aluminum and aviation aluminum extruded shell, with excellent heat dissipation and corrosion resistance performance

Product Size   Unit: mm

Schematic Diagram of Installation Method

Place the lamp on the carrier to be pre-installed, and confirm the lamp spacing requirements. Tighten the bracket fixing screws on the carrier as shown in the figure, and tighten the mounting base fixing screws. Pay attention to the firm installation and adjust the angle of the lamp to be illuminated.

Lamp
Connecting screw
Mounting carrier
Bracket fixing screws

Light Distribution Curve

Basic Specifications	
Color	W
Light source	SMD W LED
Life	35,000h
Material	High-strength die-cast aluminum/tempered glass
Weight	3.8Kg
Working conditions	
Operating temperature	-40℃ ~ 50℃
Storage temperature	-40℃ ~ 70℃
Protection rating	IP66
Application environment	Outdoor

Electrical parameters	
Operating Voltage	DC24V/AC220V
Maximum power	72W
Optical parameters	
Beam angle	8°,10°,15°,20°,30°,other angles are optional
Controller	
Main Controller	-
Sub Controller	-

Available Models

Product model	Working voltage	Power	Light source	Angle	Control protocol	Gray scale	Material	Energy efficiency value	LED brand
EXC-B246ABL	DC24V	36W	24xW	8/10/15/20/30/45/60/80°	ON/OFF	/	Aluminum + Glass	≥65 lm/w	Note 1
EXC-B246ABL	DC24V	72W	36xW	8/10/15/20/30/45/60/80°	ON/OFF	/	Aluminum + Glass	≥65 lm/w	Note 1
EXC-B246ABL	DC24V	72W	48xW	8/10/15/20/30/45/60/80°	ON/OFF	/	Aluminum + Glass	≥65 lm/w	Note 1
EXC-B246ABL	AC220V	36W	24xW	8/10/15/20/30/45/60/80°	ON/OFF	/	Aluminum + Glass	≥65 lm/w	Note 1
EXC-B246ABL	AC220V	72W	36xW	8/10/15/20/30/45/60/80°	ON/OFF	/	Aluminum + Glass	≥65 lm/w	Note 1
EXC-B246ABL	AC220V	72W	48xW	8/10/15/20/30/45/60/80°	ON/OFF	/	Aluminum + Glass	≥65 lm/w	Note 1

Note 1:LED Brand: Cree/Osram/Lumileds/Taiwan/Mainland   Note2: Above optical parameter > 2700K,Cree/Osram/Lumileds

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EXC-B200ABH
Multi combination Flood Light

General Wei's floodlight full-color series products are a high-strength aluminum alloy shell specially designed for outdoor landscape lighting by EXC . It could be used for illumination in specific areas or landscape wash lighting , applicable on building facades, bridges, stages, etc.
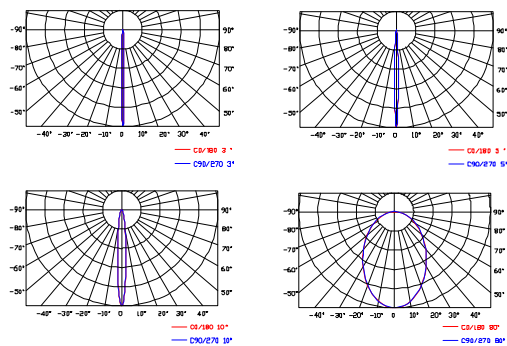
Product Features

● Unique humanized anti-glare interception design, built-in cylindrical anti-glare grid optics
● Multi-angle light distribution can be realized, and the dark area at the bottom can be completely eliminated
● Unique lens design can achieve special effect requirements such as ultra-narrow, ultra-distant, and ultra-bright
● Innovative pressure balance waterproof design, protection grade IP66
● Low thermal resistance path heat dissipation design, higher lamp life and reliability
● High corrosion resistance die-cast aluminum and aviation aluminum extruded shell, with excellent heat dissipation and corrosion resistance performance

Product Size   Unit: mm
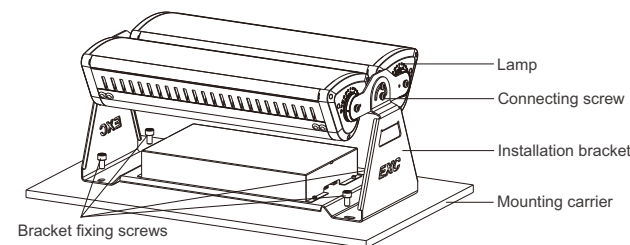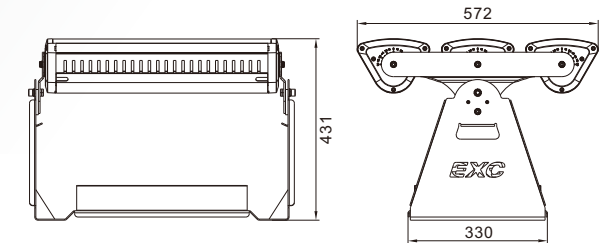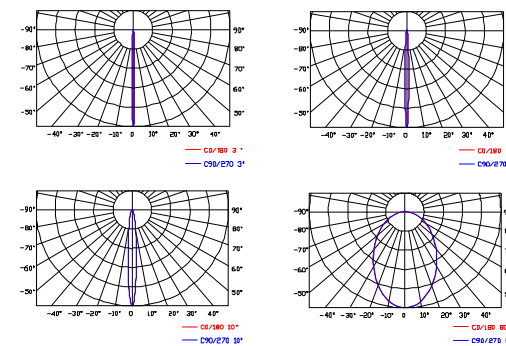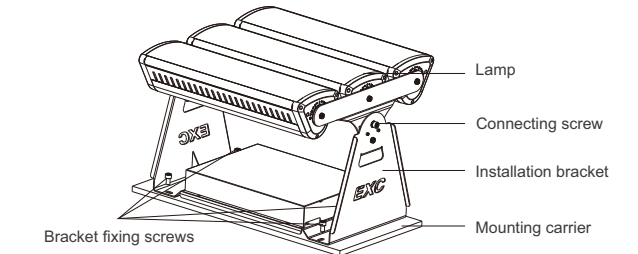

Schematic Diagram of Installation Method

Use 4 M10 screws to fix the lamp to the required position as shown in the figure. After the installation is firm, adjust the angle of the lamp according to actual needs and then tighten the connecting screws.

Lamps
Mounting carrier
Bracket fixing screw

Light Distribution Curve

Basic Specifications	
Color	W/RGB
Light source	SMD W LED
Life	35,000h
Material	High-strength aluminum alloy/tempered glass Weight
Weight	1.4Kg
Working conditions	
Operating temperature	-40℃ ~ 50℃
Storage temperature	-40℃ ~ 70℃
Protection rating	IP66
Application environment	Outdoor

Electrical parameters	
Operating Voltage	DC24V/AC220V
Maximum power	240W(W),300W(RGBW)
Optical parameters	
Beam angle	3°(Convex lens),6°,10°,other angles are optional
Controller	
Main Controller	EXC-Y220series,EXC-Y880series,EXC-M520series, EXC-5200series,EXC-6000series,EXC-8000series, EXC-10000series......
Sub Controller	EXC-S880,EXC-2905......

Available Models

Product model	Working voltage	Power	Light source	Angle	Control protocol	Gray scale	Material	Energy efficiency value	LED brand
EXC-B200ABH	AC220V	180W	60xW	3°	ON OFF/DMX512	256/65536	Aluminum + Glass	≥65 lm/w	Cree-xpe2
EXC-B200ABH	AC220V	240W	120xW	6/8/10/10*60/15/20/30/45/60°	ON/OFF	/	Aluminum + Glass	≥65 lm/w	Note 1
EXC-B200ABH	AC220V	300W	30xR+30xG+30xB+30xW		DMX512	256/65536	Aluminum + Glass	≥35 lm/w	Note 1

Note 1:LED Brand: Cree/Osram/Lumileds/Taiwan/Mainland   Note2: Above optical parameter > 2700K,Cree/Osram/Lumileds
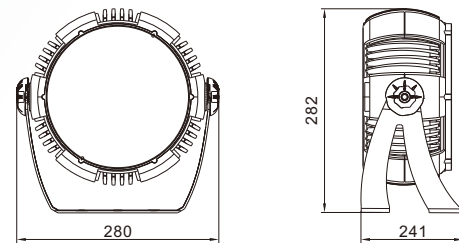
EXC-B200BBH

Multi combination Flood Light

General Wei's floodlight full-color series products are a high-strength aluminum alloy shell specially designed for outdoor landscape lighting by EXC . It could be used for illumination in specific areas or landscape wash lighting , applicable on building facades, bridges, stages, etc.
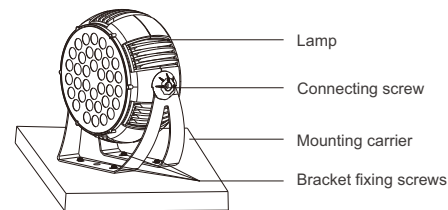
Product Features

● Unique humanized anti-glare interception design, built-in cylindrical anti-glare grid optics
● Multi-angle light distribution can be realized, and the dark area at the bottom can be completely eliminated
● Unique lens design can achieve special effect requirements such as ultra-narrow, ultra-distant, and ultra-bright
● Innovative pressure balance waterproof design, protection grade IP66
● Low thermal resistance path heat dissipation design, higher lamp life and reliability
● High corrosion resistance die-cast aluminum and aviation aluminum extruded shell, with excellent heat dissipation and corrosion resistance performance
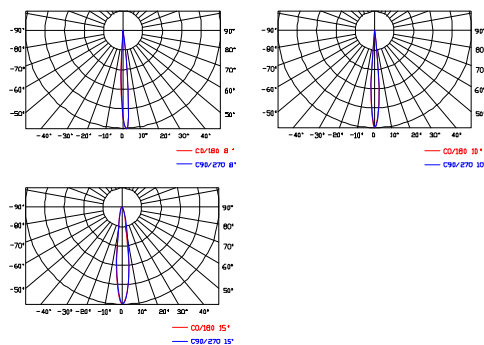
Product Size   Unit: mm

Light Distribution Curve

Schematic Diagram of Installation Method

Use 4 M10 screws to fix the lamp to the required position as shown in the figure. After the installation is firm, adjust the angle of the lamp according to actual needs and then tighten the connecting screws.

- Lamps
- Mounting carrier
- Bracket fixing screw

Basic Specifications	
Color	W/RGB/RGBW
Light source	SMD R/G/B/W LED
Life	35,000h
Material	High-strength aluminum alloy/tempered glass Weight
Weight	24.8Kg
Working conditions	
Operating temperature	-40℃ ~ 50℃
Storage temperature	-40℃ ~ 70℃
Protection rating	IP66
Application environment	Outdoor

Electrical parameters	
Operating Voltage	AC220V
Maximum power	480W(W),600W(RGBW)
Optical parameters	
Beam angle	3°(Convex lens),6°,10°,other angles are optional
Controller	
Main Controller	EXC-Y220series,EXC-Y880series,EXC-M520series, EXC-5200series,EXC-6000series,EXC-8000series, EXC-10000series......
Sub Controller	EXC-S880,EXC-2905......

Available Models

Product model	Working voltage	Power	Light source	Angle	Control protocol	Gray scale	Material	Energy efficiency value	LED brand
EXC-B200BBH	AC220V	2x180W	2*60xW	3°	ON OFF/DMX512	256/65536	Aluminum + Glass	≥65 lm/w	Cree-xpe2
EXC-B200BBH	AC220V	480W	2*120xW	6/8/10/10*60/15 /20/30/45/60°	DMX512	256/65536	Aluminum + Glass	≥65 lm/w	Note 1
EXC-B200BBH	AC220V	600W	2*(40xR+40xG+40xB)		DMX512	256/65536	Aluminum + Glass	≥35 lm/w	Note 1
EXC-B200BBH	AC220V	600W	2*(30xR+30xG+30xB+30xW)		DMX512	256/65536	Aluminum + Glass	≥35 lm/w	Note 1

Note 1:LED Brand: Cree/Osram/Lumileds/Taiwan/Mainland   Note2: Above optical parameter ＞2700K,Cree/Osram/Lumileds

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EXC-B200CBH
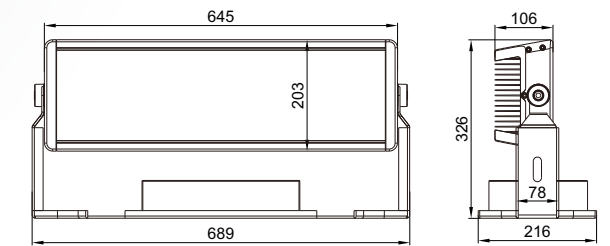
Multi combination Flood Light

General Wei's floodlight full-color series products are a high-strength aluminum alloy shell specially designed for outdoor landscape lighting by EXC . It could be used for illumination in specific areas or landscape wash lighting , applicable on building facades, bridges, stages, etc.
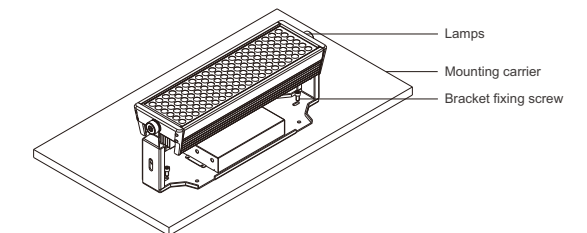
Product Features

● Unique humanized anti-glare interception design, built-in cylindrical anti-glare grid optics
● Multi-angle light distribution can be realized, and the dark area at the bottom can be completely eliminated
● Unique lens design can achieve special effect requirements such as ultra-narrow, ultra-distant, and ultra-bright
● Innovative pressure balance waterproof design, protection grade IP66
● Low thermal resistance path heat dissipation design, higher lamp life and reliability
● High corrosion resistance die-cast aluminum and aviation aluminum extruded shell, with excellent heat dissipation and corrosion resistance performance

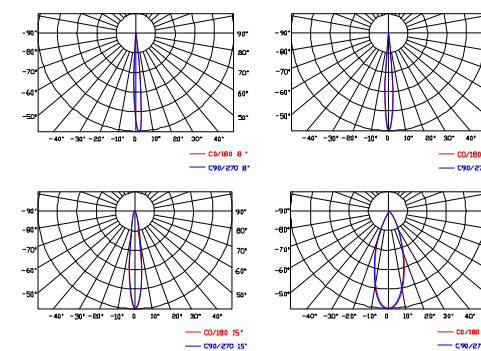### Product Size   Unit: mm

Schematic Diagram of Installation Method

Use 4 M10 screws to fix the lamp to the required position as shown in the figure. After the installation is firm, adjust the angle of the lamp according to actual needs and then tighten the connecting screws.

- Lamps
- Mounting carrier
- Bracket fixing screw

Light Distribution Curve

Basic Specifications	
Color	RGB/RGBW
Light source	SMD R/G/B/W LED
Life	35,000h
Material	High-strength aluminum alloy/tempered glass Weight
Weight	34.2Kg
Working conditions	
Operating temperature	-40℃ ~ 50℃
Storage temperature	-40℃ ~ 70℃
Protection rating	IP66
Application environment	Outdoor

Electrical parameters	
Operating Voltage	DC24V/AC220V
Maximum power	720W(W),900W(RGBW)
Optical parameters	
Beam angle	3°(Convex lens),6°,10°,other angles are optional
Controller	
Main Controller	EXC-Y220series,EXC-Y880series,EXC-M520series, EXC-5200series,EXC-6000series,EXC-8000series, EXC-10000series......
Sub Controller	EXC-S880,EXC-2905......

Available Models

Product model	Working voltage	Power	Light source	Angle	Control protocol	Gray scale	Material	Energy efficiency value	LED brand
EXC-B200CBH	AC220V	3x180W	3*60xW	3°	ON OFF/DMX512	256/65536	Aluminum + Glass	≥65 lm/w	Cree-xpe2
EXC-B200CBH	AC220V	900W	3*(40xR+40xG+40xB)	6/8/10/10*60/ 15/20/30/45/60°	DMX512	256/65536	Aluminum + Glass	≥35 lm/w	Note 1
EXC-B200CBH	AC220V	900W	3*(30xR+30xG+30xB+30xW)		DMX512	256/65536	Aluminum + Glass	≥65 lm/w	Note 1

Note 1:LED Brand: Cree/Osram/Lumileds/Taiwan/Mainland   Note2: Above optical parameter ＞2700K,Cree/Osram/Lumileds

LINEAR LIGHT SERIES

MAIN TECHNICAL ADVANTAGES OF PRODUCTS

Lighting Control

State feedback: Supportive of the standard RDM and user-defined fault feedback protocol, capable of real-time feedback of such information as lamp operating voltage, temperature, current, power, manufacturer, etc.

High gray scale and high refresh rate: Gray scaling of more than 65536 grades; refresh rate of over 4K; no strobe during video shooting.

Dynamic light distribution: Intelligent dynamic adjustment of lightness by 10%-100% without any loss in gray scale; Adaptive brightness to different seasons and application scenarios without changing gray scale.

Power-on color: Capable of displaying any color in real-time tests under the condition of no signal; allowing emergency commissioning in the early stage of the project.

Wide-voltage power supply: Supportive of DC15-48V safe wide-voltage power supply scheme, completely solving the problem of voltage drop in long-distance power supply of high-rise buildings.

Optical Characteristics

Polarization: Equipped with the optical lens independently developed by EXC, providing comparatively high optical efficacy, wall washing height and consistency, free from color patch.

Wide view distance: Multi-level optical design, improving the optical efficacy and the near-far brightness consistency, an assurance for the harmony, health and comfort of light shows.

Lamp Structure

Thermal drive separation: Unique patented structural design, greatly improving heat dissipation efficiency and reliability.

Harmony with the surroundings in color: the color of the lamp body perfectly blends with the architectural background, weakening the influence of the lamp body on the appearance of the buildings.

Self-cleaning design: Unique lens design, avoiding accumulation of dust and sundries when used outdoors.

Automatic process: Subject to the automatic process design, greatly improving the production capacity, shortening the delivery period and improving the reliability of product quality.

LINEAR LIGHT NAMING RULE

U 4 0 N A B 0

- Conventional linear light
- Width 40mm
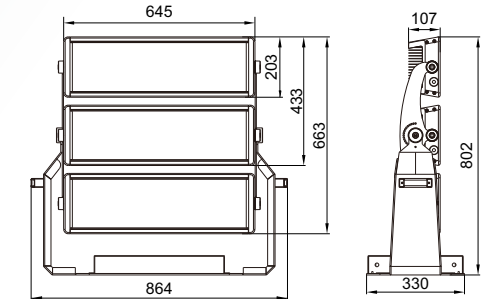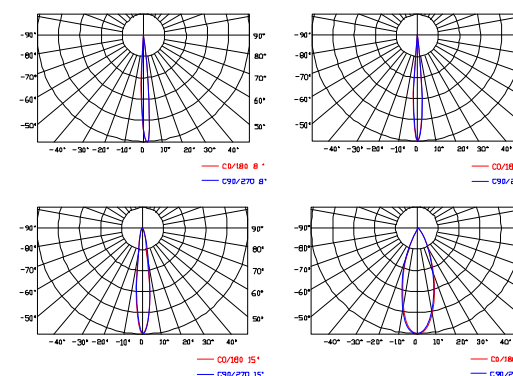- Installed with independent profiles; pin box, standard model
- PC lampshade
- Basic model
- Serial code 0

Product classification	Lamp width	Installation characteristics	Lampshade material	Derivative feature	Product serial code
U:Conventional linear light D:Uniform linear light	Named after the width of the product,in mm.	A: The lamp body to be installed with independent profile, adopting wire clip technology, waterproofed by the poured-in sealant. B: The lamp body to be installed with independent profiles; adopting a pin box structure, waterproofed by the poured-in sealant (Far distance between LEDs and the lampshade); C: The lamp body to be installed with independent profiles, adopting a pin box structure, waterproofed by the poured-in sealant; asymmetric light emitting structure; N: The lamp body to be installed with independent profiles; adopting a pin box structure, waterproofed by the poured-in sealant (Near distance between LEDs and the lampshade); standard model. T: The lamp body integrated with profile, adopting a pin box structure for installation; waterproofed by the poured-in sealant.	A: PC lampshade B: Aluminum lampshade C: Glass lampshade D: Acrylic lampshade E: Double lampshades	B: Basic model; L: With wings; R: Glare Shield	Codes indicating the sizes of different cross sections having the same width (different height, wing, Glare Shield,etc.),0,1,2,3,4,5,6,7,8,9,A,B,C…Z

Testing and verification of Flood light series products (taking B265BBL 72W 3000K as an example)

Reliability test items	High and low temperature cyclic lighting aging test	Double-85 lighting accelerated aging test	Dual-85 storage test
Reference standard	Refer to GB 7000.1-2015 "Luminaires -Part 1: General Requirements and Tests"; Refer to GB/T 7922-2008 " Method of Measuring the Color of Light Sources Color of Lighting Source"; Refer to GB/T 24824-2009 "Measurement Methods of LED Modules for General Lighting"; Refer to GB/T 9468-2008 General Requirements forPhotometry and Goniophotometry of Luminaires; Refer to GB/T 7002-2008 Photometry for Floodlight; Refer to GB/T 2423.3-2008 "Test C: Damp Heat, Steady State, IDT";Refer to the Management Specification of Guangdong Province for LED Lighting Product Benchmarking System		
Reliability test conditions	High temperature of 65°C, humidity 93%, low temperature -40°C environment lighting aging test.	High temperature 85°C, humidity 85%, lighting aging test.	High temperature 85°C, humidity 85%, storage test for 1000H.
Reliability test time	1000H	1000H	1000H
0H Before test			
1000H Post test			

Test comparison results	Color temperature (K)	3000±100K	28K deviation	6K deviation	16K deviation
	Color rendering index (Ra)	≥80Ra	0.2 deviation	0.4 deviation	0.7 deviation
	Color tolerance (SDCM)	<5SDCM	0.2 deviation	0.4 deviation	0.4 deviation
	Luminous flux (lm)	>3000lm	2.8% attenuation	4.0% attenuation	2.2% attenuation
	Luminous efficacy (lm/w)	≥80lm/w	2.8% attenuation	4.0% attenuation	2.2% attenuation

	Item	Inspection basis	Test result determination
Safety regulation item	Identification (product name, model, voltage, power, frequency, IP protection grade, electric shock protection category, manufacturer)	Clause 3.2 of GB7000.1-2015 and corresponding sub-standards	Pass
	External wiring and internal wiring (external wiring model, sectional area)	Clauses 5.2.1 and 5.2.2 of GB7000.1-2015 and corresponding sub-standards	Pass
	Insulation resistance and electrical strength, touch current and protective conductor current (including 48-hour moisture test)	Clause 10 of GB7000.1-2015 and corresponding sub-standards	Pass
	High and low temperature cycle, IP66 waterproof test	High temperature 65°C, humidity 93%,RH ~ low temperature -40°C, Hold for 2H each, carry out cyclic test, and carry out Ip66 waterproof test (one waterproof test) after the equipment returns to 65°C for 30 minutes; a total of 10 cycles.	Pass
	Windproof detection, and safety performance detection of installation accessories (anti-falling safety hinges)	GB7000.7-2005 Safety Requirements for Floodlights; Clause 4.14.1 of GB7000.1-2015	Pass
	Corrosion resistance test	GB/T 10125-2012 salt spray test 48H	Pass
Electromagnetic compatibility	9kHz-30MHz power supply terminal disturbance voltage	Clause 4.3 of GB/T 17743-2017	Pass
	9kHz-30MHz radiated electromagnetic disturbance	Clause 4.4.1 of GB/T 17743-2017	Pass
	30MHz-300MHz radiated electromagnetic disturbance	Clause 4.4.2 of GB/T 17743-2017 (Anechoic Chamber Method)	Pass
	Harmonic current emissions	Clause 7.3 of GB/T 17625.1-2012	Pass
	Electrostatic	Clause 5.2 of GB/T 18595-2014 GB/T 17626.2-2006	Pass
	Radiation immunity	Clause 5.3 of GB/T 18595-2014 GB/T 17626.3-2016	Pass
	Surge	Clause 5.7 of GB/T 18595-2014 GB/T 17626.5-2008	Pass

Linear light-general installation method
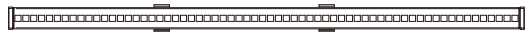
Install With Elastic Buckle

Note : When the product is installed vertically, an anti-falling wire rope must be added.

1. Use ST4 self-tapping screws to fix the elastic buckle to the position of the mounting carrier as shown in the figure. The specific spacing is based on the length of the lamp.

Self-tapping screws
Elastic buckle
Mounting carrier

Schematic diagram of section
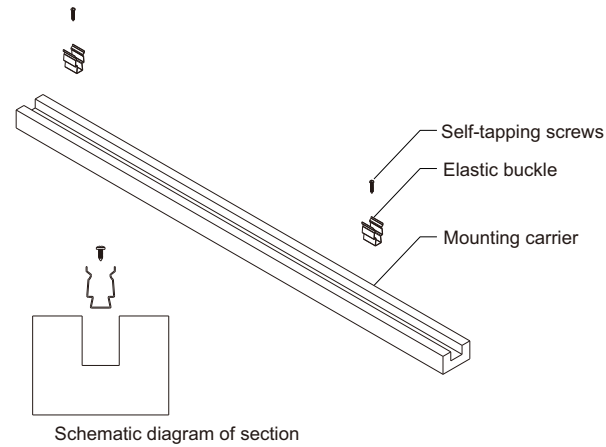
2. Clamp the lamp on the elastic buckle, and pay attention to the installation firmly.
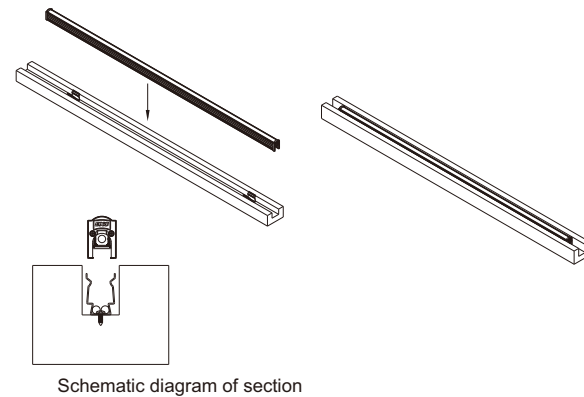
Schematic diagram of section

3. Finally, connect the male and female ends of the waterproof connector line through the thread as shown in the figure, and pay attention to the installation firmly.

Mounting carrier   Mounting base   Lamp
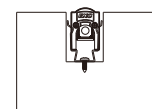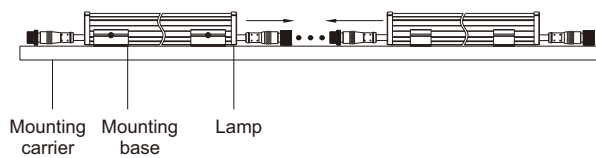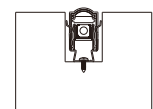
Schematic diagram of section   Remove one side end cap Schematic diagram of section

Install with Mounting Base

1.Use ST4 self-tapping screws to fix the elastic buckle to the position of the mounting carrier as shown in the figure. The specific spacing is based on the length of the lamp.

Self-tapping screws
Mounting base
Mounting carrier
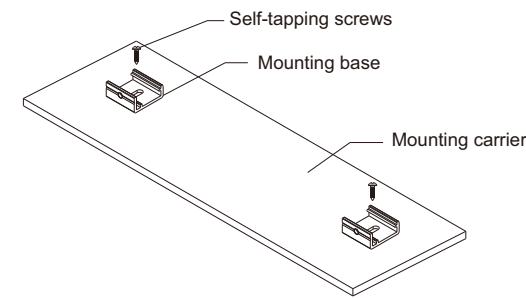
2. Clamp the lamp on the mounting base, and then use M4 screws to lock the lamp through the mounting base, pay attention to the installation firmly.
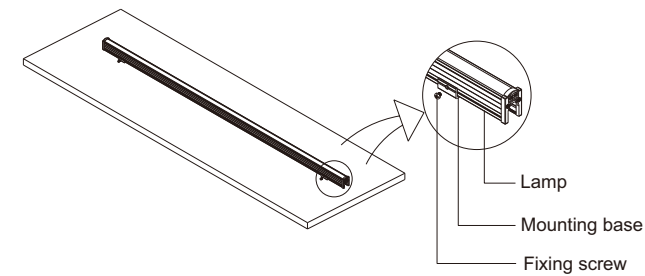
Lamp
Mounting base
Fixing screw

3. Finally, connect the male and female ends of the waterproof connector line through the thread as shown in the figure, and pay attention to the installation firmly.

Mounting carrier   Mounting base   Lamp
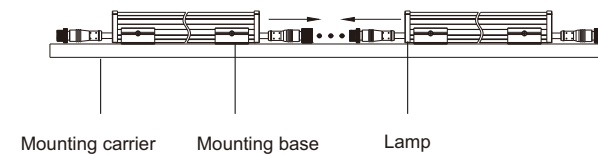
Install with Rotating Bracket

1.Use ST4 self-tapping screws to fix the lamp mounting bracket to the required position as shown in the figure. Fix the lamp with the mounting bracket through the mounting base,tighten the fixing screws of the mounting base, adjust the angle of the lamp, and then tighten the link screws. Pay attention to the installation firmly.
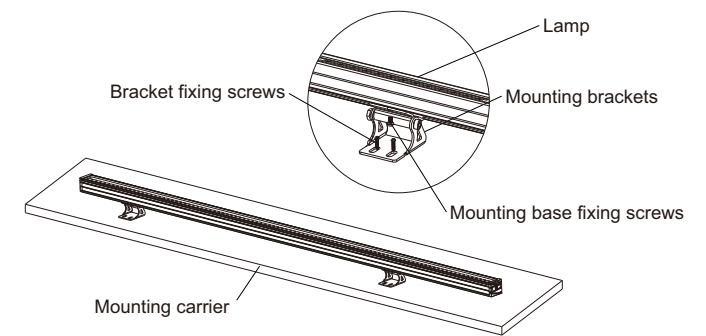
Lamp
Bracket fixing screws   Mounting brackets
Mounting base fixing screws
Mounting carrier

3. Finally, connect the male and female ends of the waterproof connector line through the thread as shown in the figure, and pay attention to the installation firmly.

Mounting carrier   Mounting base   Lamp

EXC-CU20

C Series-Preferred linear lights

EXC-CU20 series products are with a narrow aluminum-profile housing and specially designed by EXC for outdoor landscape lighting. SMD liner light source, width only 20mm. They can be used for extra-large area display of building facades, contour shaping, interior and exterior surface decoration lighting, and small-range wall washing.
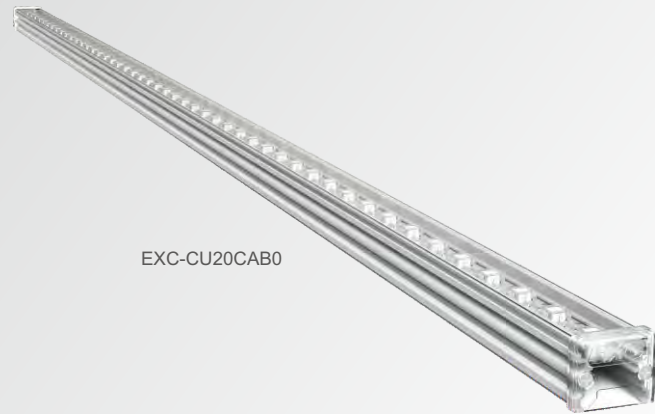
EXC-CU20CAB0

EXC-CU20CAB2 | EXC-CU20CBB0

Product Features

● Only 20 mm wide
● New-generation DMX512 parallel bus technology
● Fully sealed and waterproof design with adhesive imported from Germany
● Heat dissipation design ensured by aluminum housing and low thermal resistance path
● Outdoor lighting protection and electrostatic discharge (ESD) protection design

Light Distribution Curve

— C0/180 110
— C90/270 110°

Product Size   Unit: mm

998.5
EXC-CU20CAB0
23 / 24

998.5
EXC-CU20CBB0
20 / 21

Basic Specifications	
Color	W/RGB/RGBW/RGB+W
Light source	SMD W/RGB 3in1/RGBW 4in1 LED
Life	35,000h
Material	High-strength aluminum alloy/PC lampshade
Weight	0.35Kg (aluminum cover), 0.32Kg (PC cover)
Working conditions	
Operating temperature	-40℃ ~ 50℃
Storage temperature	-40℃ ~ 70℃
Protection rating	IP66
Application environment	Outdoor

Electrical parameters	
Operating Voltage	DC24V
Maximum power	12W
Optical parameters	
Beam angle	≥110°
Controller	
Main Controller	EXC-Y220series,EXC-Y880series,EXC-M520series, EXC-5200series,EXC-6000series,EXC-8000series, EXC-10000series......
Sub Controller	EXC-S880,EXC-2905......

Available Models

Product model	Working voltage	Power	Light source	Angle	Control protocol	Gray scale	Material	Energy efficiency value	LED brand
CU20CAB0	DC24V	12W	36xW	≥105°	ON/OFF	/	Aluminum + PC	≥50 lm/w	Note 1
CU20CAB0	DC24V	12W	48xW	≥105°	ON/OFF	/	Aluminum + PC	≥50 lm/w	Note 1
CU20CBB0	DC24V	12W	36xW	≥95°	ON/OFF	/	Aluminum	≥40 lm/w	Note 1
CU20CBB0	DC24V	12W	48xW	≥95°	ON/OFF	/	Aluminum	≥40 lm/w	Note 1
CU20CAB2	DC24V	10W	36xRGB	≥105°	DMX512	256/65536	Aluminum + PC	≥35 lm/w	Note 1
CU20CAB2	DC24V	12W	48xRGB	≥105°	DMX512	256/65536	Aluminum + PC	≥35 lm/w	Note 1
CU20CAB2	DC24V	15W	48xRGBW	≥105°	DMX512	256/65536	Aluminum + PC	≥35 lm/w	Note 1
CU20CAB2	DC24V	18W	60xRGBW	≥105°	DMX512	256/65536	Aluminum + PC	≥35 lm/w	Note 1
CU20CAB2	DC24V	12W	24xRGB+24xW	≥105°	DMX512	256/65536	Aluminum + PC	≥35 lm/w	Note 1
CU20CAB2	DC24V	15W	30xRGB+30xW	≥105°	DMX512	256/65536	Aluminum + PC	≥35 lm/w	Note 1

Note 1: LED brand: CREE/OSRAM/LUMILEDS/ /Taiwan/Mainland   Note 2: The above optical parameter > 2700K; CREE/OSRAM/LUMILEDS.

EXC-CU30

C Series-Preferred linear lights

EXC-CU30 series products are with a narrow aluminum-profile housing and specially designed by EXC for outdoor landscape lighting. SMD liner light source, width only 30mm. They can be used for extra-large area display of building facades, contour shaping, interior and exterior surface decoration lighting, and small-range wall washing.
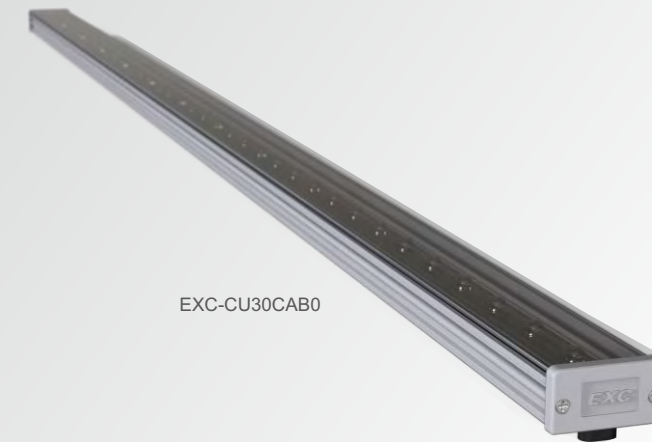
EXC-CU30CBB0

EXC-CU30CAB0

Product Features

● Only 30 mm wide
● New-generation DMX512 parallel bus technology
● Fully sealed and waterproof design with adhesive imported from Germany
● Heat dissipation design ensured by aluminum housing and low thermal resistance path
● Outdoor lighting protection and electrostatic discharge (ESD) protection design

Light Distribution Curve

— C0/180 110
— C90/270 110°

Product Size   Unit: mm

998.5
EXC-CU30CAB0
33 / 24

998.5
EXC-CU30CBB0
30 / 21
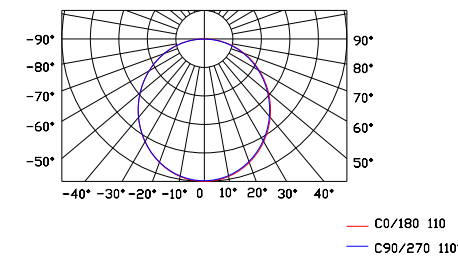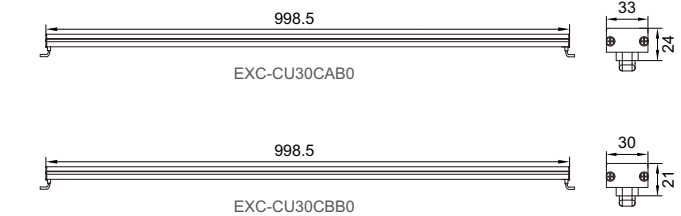
Basic Specifications	
Color	W
Light source	SMD W LED
Life	35,000h
Material	High-strength aluminum alloy/PC lampshade
Weight	0.39Kg (aluminum cover), 0.37Kg (PC cover)
Working conditions	
Operating temperature	-40℃ ~ 50℃
Storage temperature	-40℃ ~ 70℃
Protection rating	IP66
Application environment	Outdoor

Electrical parameters	
Operating Voltage	DC24V
Maximum power	12W
Optical parameters	
Beam angle	≥110°
Controller	
Main Controller	-
Sub Controller	-

Available Models

| Product model	Working voltage	Power	Light source	Angle	Control protocol	Gray scale	Material	Energy efficiency value	LED brand
CU30CAB0	DC24V	12W	36xW	≥105°	ON/OFF	/	Aluminum + PC	≥50 lm/w	Note 1
CU30CAB0	DC24V	12W	48xW	≥105°	ON/OFF	/	Aluminum + PC	≥50 lm/w	Note 1
CU30CBB0	DC24V	12W	36xW	≥95°	ON/OFF	/	Aluminum	≥40 lm/w	Note 1
CU30CBB0	DC24V	12W	48xW	≥95°	ON/OFF	/	Aluminum	≥40 lm/w	Note 1

Note 1: LED brand: CREE/OSRAM/LUMILEDS/ /Taiwan/Mainland   Note 2: The above optical parameter > 2700K; CREE/OSRAM/LUMILEDS.

EXC-U20
N Series-Linear Light

EXC-U20 full-color series consists of full-color SMD linear lights equipped with a narrow aluminum-profile housing and specially designed by EXC for outdoor landscape lighting. Full-color SMD linear lamp with a width of only 20mm.Each strip includes 8 pixels, and each pixel can realize 65536 grades gray scale changing; featuring simple and reliable installation, they can be used for extra-large area display of building facades, contour shaping, interior and exterior surface decoration lighting, and small-range wall washing.

Product Features

● Only 20 mm wide
● New-generation DMX512 parallel bus technology
● Fully sealed and waterproof design with adhesive imported from Germany
● Heat dissipation design ensured by aluminum housing and low thermal resistance path
● Outdoor lighting protection and electrostatic discharge (ESD) protection design

EXC-U20NAB0

EXC-U20NBB0

EXC-U20BEB0

EXC-U20TAL0

EXC-U20TAL1

Basic Specifications

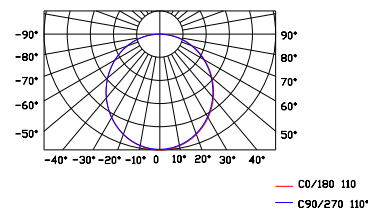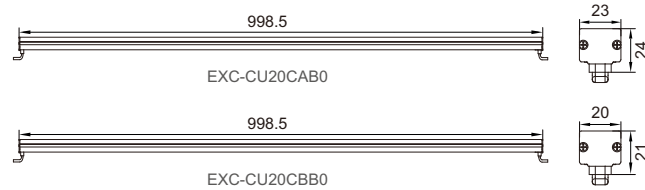|	
Color	W/RGB/RGBW
Light source	SMD W/RGB 3in1/RGBW 4in1 LED
Life	35,000h
Material	High-strength aluminum alloy
Weight	U20NAB0: 0.55Kg U20NBB0: 0.46Kg U20BEB0: 0.43Kg U20TAL0: 0.55Kg U20TAL1: 0.45Kg

Working conditions

Operating temperature	-40°C ~ 50°C
Storage temperature	-40°C ~ 70°C
Protection rating	IP66
Application environment	Outdoor

Electrical parameters

Operating Voltage	DC24V
Maximum power	15W

Optical parameters

Beam angle	≥105°(U20NAB0/U20TAL1) ≥95°(U20NBB0/U20BEB0/U20TAL0)

Controller

Main Controller	EXC-Y220series,EXC-Y880series,EXC-M520series, EXC-5200series,EXC-6000series,EXC-8000series, EXC-10000series......
Sub Controller	EXC-S880,EXC-2905......

Light Distribution Curve

— C0/180 105
— C90/270 105°

— C0/180 95
— C90/270 95°

Product Size   Unit: mm

1000
20
23
34
EXC-U20NAB0

999
20
20
29
EXC-U20NBB0

1000
20
23
32
EXC-U20BEB0

999
20
54
26
EXC-U20TAL0

999
20
40
25
EXC-U20TAL1

Available Models

Product model	Working voltage	Power	Light source	Angle	Control protocol	Gray scale	Material	Energy efficiency value	LED brand
U20NAB0	DC24V	12W	48xW	≥105°	ON/OFF	/	Aluminum + PC	≥50 lm/w	Note 1
U20NAB0	DC24V	15W	60xW	≥105°	ON/OFF	/	Aluminum + PC	≥50 lm/w	Note 1
U20NAB0	DC24V	9W	36xRGB	≥105°	DMX512	256/65536	Aluminum + PC	≥25 lm/w	Note 1
U20NAB0	DC24V	12W	48xRGB	≥105°	DMX512	256/65536	Aluminum + PC	≥25 lm/w	Note 1
U20NAB0	DC24V	15W	60xRGB	≥105°	DMX512	256/65536	Aluminum + PC	≥25 lm/w	Note 1
U20NAB0	DC24V	15W	48xRGBW	≥105°	DMX512	256/65536	Aluminum + PC	≥35 lm/w	Note 1
U20NBB0	DC24V	12W	48xW	≥95°	ON/OFF	/	Aluminum	≥40 lm/w	Note 1
U20NBB0	DC24V	15W	60xW	≥95°	ON/OFF	/	Aluminum	≥40 lm/w	Note 1
U20NBB0	DC24V	9W	36xRGB	≥95°	DMX512	256/65536	Aluminum	≥20 lm/w	Note 1
U20NBB0	DC24V	12W	48xRGB	≥95°	DMX512	256/65536	Aluminum	≥20 lm/w	Note 1
U20NBB0	DC24V	15W	60xRGB	≥95°	DMX512	256/65536	Aluminum	≥20 lm/w	Note 1
U20NBB0	DC24V	15W	48xRGBW	≥95°	DMX512	256/65536	Aluminum	≥30 lm/w	Note 1
U20BEB0	DC24V	12W	48xW	≥95°	ON/OFF	/	Aluminum + Acrylic	≥40 lm/w	Note 1
U20BEB0	DC24V	15W	60xW	≥95°	ON/OFF	/	Aluminum + Acrylic	≥40 lm/w	Note 1
U20BEB0	DC24V	9W	36xRGB	≥95°	DMX512	256/65536	Aluminum + Acrylic	≥20 lm/w	Note 1
U20BEB0	DC24V	12W	48xRGB	≥95°	DMX512	256/65536	Aluminum + Acrylic	≥20 lm/w	Note 1
U20BEB0	DC24V	15W	60xRGB	≥95°	DMX512	256/65536	Aluminum + Acrylic	≥20 lm/w	Note 1
U20BEB0	DC24V	15W	48xRGBW	≥95°	DMX512	256/65536	Aluminum + Acrylic	≥30 lm/w	Note 1

Note 1: LED brand: CREE/OSRAM/LUMILEDS/ /Taiwan/Mainland   Note 2: The above optical parameter > 2700K; CREE/OSRAM/LUMILEDS.

EXC-U20A
A Series-Linear Light

EXC-U20A series products are with a narrow aluminum-profile housing and specially designed by EXC for outdoor landscape lighting. SMD uniform light ultra-thin line light source, width 20mm, thickness only 23mm. They can be used for extra-large area display of building facades, contour shaping, interior and exterior surface decoration lighting.

EXC-U20S
S Series-Linear Light

EXC-U20S series products are with a narrow aluminum-profile housing and specially designed by EXC for outdoor landscape lighting. SMD uniform light ultra-thin line light source, width 23mm, thickness only 29.5mm. They can be used for extra-large area display of building facades, contour shaping, interior and exterior surface decoration lighting.

Product Features

● Only 20 mm wide, 23mm height
● Fully sealed and waterproof design with adhesive imported from Germany
● Heat dissipation design ensured by aluminum housing and low thermal resistance path
● Extremely uniform light effect, soft and uniform, consistent light color
● Outdoor lighting protection and electrostatic discharge (ESD) protection design

Product Features

● Only 23 mm wide, 29.5mm height
● New-generation DMX512 parallel bus technology
● Fully sealed and waterproof design with adhesive imported from Germany
● Heat dissipation design ensured by aluminum housing and low thermal resistance path
● Extremely uniform light effect, soft and uniform, consistent light color
● Outdoor lighting protection and electrostatic discharge (ESD) protection design

Light Distribution Curve

C0/180 110
C90/270 110°

Product Size   Unit: mm

999
20
23
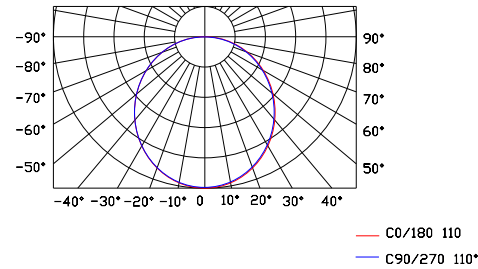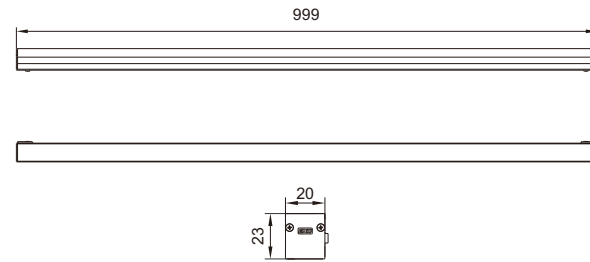
Basic Specifications

Color	W
Light source	SMD W LED
Life	35,000h
Material	High-strength aluminum alloy/PC lampshade
Weight	0.55Kg

Working conditions

Operating temperature	-40°C ~ 50°C
Storage temperature	-40°C ~ 70°C
Protection rating	IP66
Application environment	Outdoor

Electrical parameters

Operating Voltage	DC24V
Maximum power	15W

Optical parameters

Beam angle	≥110°

Controller

Main Controller	-
Sub Controller	-

Available Models

Product model	Working voltage	Power	Light source	Angle	Control protocol	Gray scale	Material	Energy efficiency value	LED brand
U20AAB0	DC24V	15W	60xW	≥110°	ON/OFF	/	Aluminum + PC	≥35 lm/w	Note 1

Note 1: LED brand: CREE/OSRAM/LUMILEDS/ /Taiwan/Mainland   Note 2: The above optical parameter > 2700K; CREE/OSRAM/LUMILEDS.

Light Distribution Curve

C0/180 110
C90/270 110°

Product Size   Unit: mm

1000
23
29.5

Basic Specifications

Color	W/RGB
Light source	SMD W/RGB 3in1
Life	35,000h
Material	High-strength aluminum alloy/PC lampshade
Weight	0.62Kg

Working conditions

Operating temperature	-40°C ~ 50°C
Storage temperature	-40°C ~ 70°C
Protection rating	IP66
Application environment	Outdoor

Electrical parameters

Operating Voltage	DC24V
Maximum power	15W

Optical parameters

Beam angle	≥110°

Controller

Main Controller	EXC-Y220series,EXC-Y880series,EXC-M520series, EXC-5200series,EXC-6000series,EXC-8000series, EXC-10000series......
Sub Controller	EXC-S880,EXC-2905......

Available Models

Product model	Working voltage	Power	Light source	Angle	Control protocol	Gray scale	Material	Energy efficiency value	LED brand
U20SAB0	DC24V	15W	60xW	≥110°	DMX512	256/65536	Aluminum + PC	≥35 lm/w	Note 1
U20SAB0	DC24V	12W	48xRGB	≥110°	DMX512	256/65536	Aluminum + PC	≥15 lm/w	Note 1

Note 1: LED brand: CREE/OSRAM/LUMILEDS/ /Taiwan/Mainland   Note 2: The above optical parameter > 2700K; CREE/OSRAM/LUMILEDS.

EXC-U20F
F Series-Linear Light

EXC-U20F series products are with a narrow aluminum-profile housing and specially designed by EXC for outdoor landscape lighting. SMD liner light source, width only 20mm. They can be used for extra-large area display of building facades, contour shaping, interior and exterior surface decoration lighting, and small-range wall washing.

Product Features
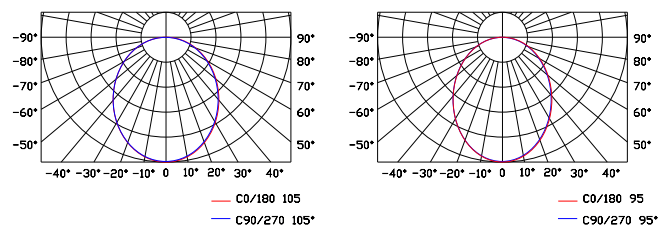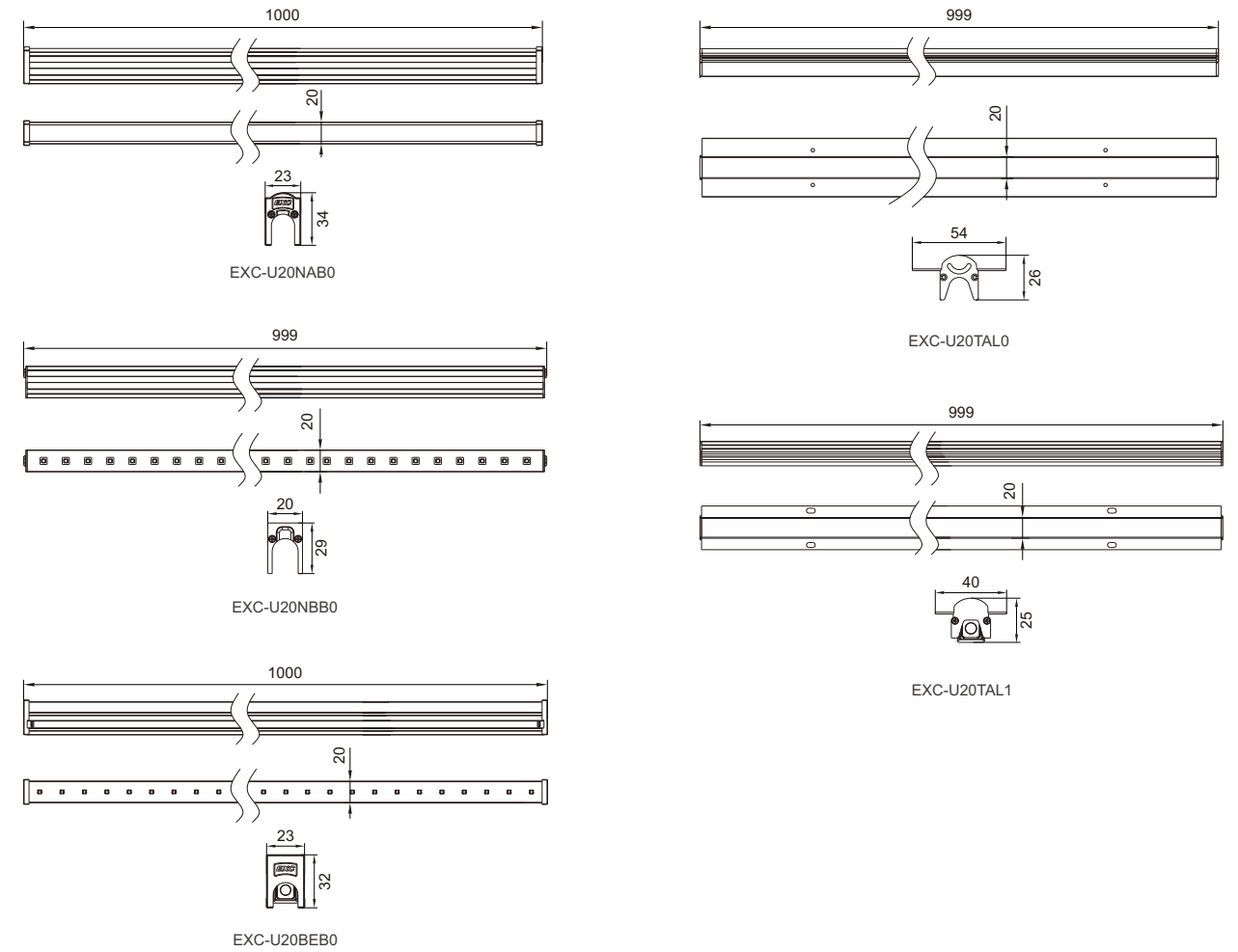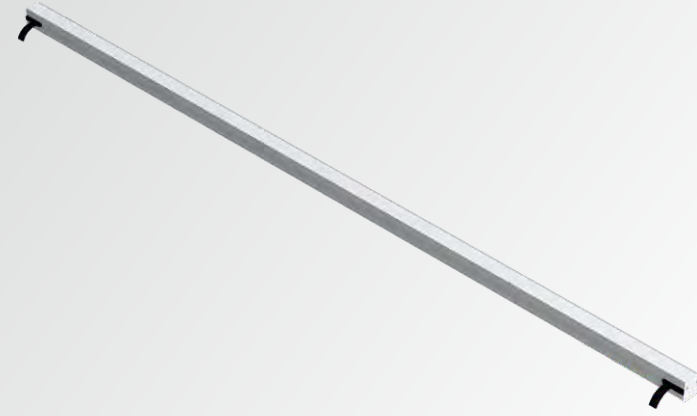
● Only 20 mm wide, Full structure waterproof design
● Ultra-white high-transmittance toughened glass lampshade, extreme light effect
● Heat dissipation design ensured by aluminum housing and low thermal resistance path
● Outdoor lighting protection and electrostatic discharge (ESD) protection design

Light Distribution Curve

— C0/180 110
— C90/270 110°

Product Size   Unit: mm

999

20
52.3

Basic Specifications	
Color	W
Light source	SMD W LED
Life	35,000h
Material	High-strength aluminum alloy/Tempered glass
Weight	0.7Kg
Working conditions	
Operating temperature	-40℃ ~ 50℃
Storage temperature	-40℃ ~ 70℃
Protection rating	IP66
Application environment	Outdoor

Electrical parameters	
Operating Voltage	DC24V
Maximum power	15W
Optical parameters	
Beam angle	≥110°
Controller	
Main Controller	-
Sub Controller	-

Available Models

Product model	Working voltage	Power	Light source	Angle	Control protocol	Gray scale	Material	Energy efficiency value	LED brand
U20FCB0	DC24V	12W	48xW	≥110°	ON/OFF	/	Aluminum + Glass	≥70 lm/w	Note 1

Note 1: LED brand: CREE/OSRAM/LUMILEDS/ /Taiwan/Mainland   Note 2: The above optical parameter > 2700K; CREE/OSRAM/LUMILEDS.

EXC-U25F
F Series-Linear Light

EXC-U25F full-color series consists of full-color SMD linear lights equipped with a narrow aluminum-profile housing and specially designed by EXC for outdoor landscape lighting. Full-color SMD linear lamp with a width of only 20mm. Each strip includes 8 pixels, and each pixel can realize 65536 grades gray scale changing; featuring simple and reliable installation, they can be used for extra-large area display of building facades, contour shaping, interior and exterior surface decoration lighting, and small-range wall washing.
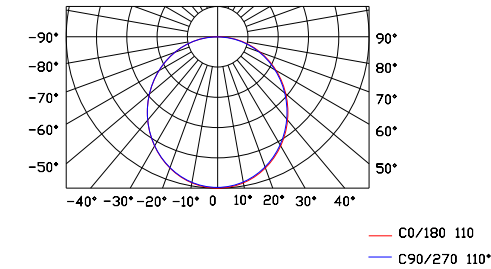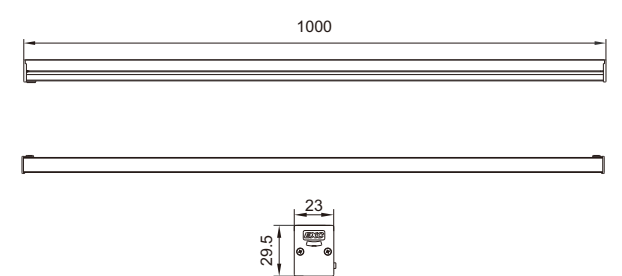
Product Features

● Only 25 mm wide, Full structure waterproof design
● New-generation DMX512 parallel bus technology
● Ultra-white high-transmittance toughened glass lampshade, extreme light effect
● Heat dissipation design ensured by aluminum housing and low thermal resistance path
● Outdoor lighting protection and electrostatic discharge (ESD) protection design

Light Distribution Curve

— C0/180 95
— C90/270 95°

Product Size   Unit: mm

998

27.7
53

Basic Specifications	
Color	W/RGB/RGBW/RGB+W
Light source	SMD W/RGB 3in1/RGBW 4in1 LED
Life	35,000h
Material	High-strength aluminum alloy/Tempered glass
Weight	0.65Kg
Working conditions	
Operating temperature	-40℃ ~ 50℃
Storage temperature	-40℃ ~ 70℃
Protection rating	IP66
Application environment	Outdoor

Electrical parameters	
Operating Voltage	DC24V
Maximum power	18W
Optical parameters	
Beam angle	≥105°
Controller	
Main Controller	EXC-Y220series,EXC-Y880series,EXC-M520series, EXC-5200series,EXC-6000series,EXC-8000series, EXC-10000series......
Sub Controller	EXC-S880,EXC-2905......

Available Models

Product model	Working voltage	Power	Light source	Angle	Control protocol	Gray scale	Material	Energy efficiency value	LED brand
U25FCB0	DC24V	15W	48xRGBW	≥105°	DMX512	256/65536	Aluminum + Glass	≥40 lm/w	Note 1
U25FCB0	DC24V	18W	60xRGBW	≥105°	DMX512	256/65536	Aluminum + Glass	≥40 lm/w	Note 1
U25FCB0	DC24V	12W	24xRGB+24xW	≥105°	DMX512	256/65536	Aluminum + Glass	≥50 lm/w	Note 1
U25FCB0	DC24V	15W	30xRGB+30xW	≥105°	DMX512	256/65536	Aluminum + Glass	≥50 lm/w	Note 1
U25FCB0	DC24V	9W	36xRGB	≥105°	DMX512	256/65536	Aluminum + Glass	≥30 lm/w	Note 1
U25FCB0	DC24V	12W	48xRGB	≥105°	DMX512	256/65536	Aluminum + Glass	≥30 lm/w	Note 1

Note 1: LED brand: CREE/OSRAM/LUMILEDS/ /Taiwan/Mainland   Note 2: The above optical parameter > 2700K; CREE/OSRAM/LUMILEDS.
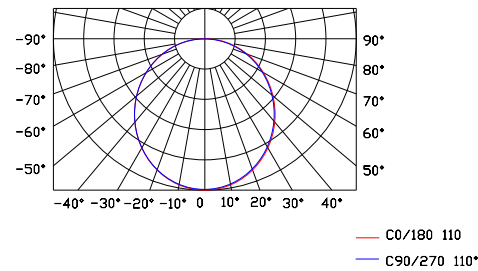
EXC-U22
N Series-Linear Light

EXC-U22 full-color series consists of full-color SMD linear lights equipped with a narrow aluminum-profile housing and specially designed by EXC for outdoor landscape lighting. Full-color SMD linear lamp with a width of only 20mm.Each strip includes 8 pixels, and each pixel can realize 65536 grades gray scale changing; featuring simple and reliable installation, they can be used for extra-large area display of building facades, contour shaping, interior and exterior surface decoration lighting, and small-range wall washing.
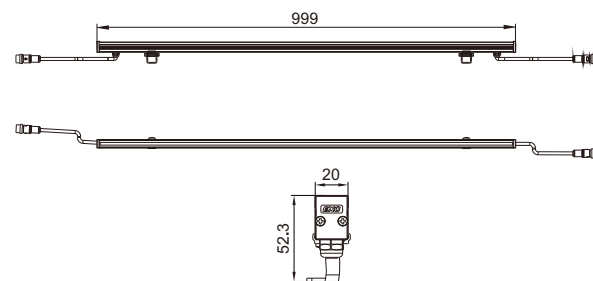
EXC-U22NAB0

EXC-U22NBB0

Light Distribution Curve

Product Features

● A curved surface emits light evenly, and the B aluminum cover has a wide viewing angle to emit light
● New-generation DMX512 parallel bus technology
● Fully sealed and waterproof design with adhesive imported from Germany
● Heat dissipation design ensured by aluminum housing and low thermal resistance path
● Outdoor lighting protection and electrostatic discharge (ESD) protection design

Product Size   Unit: mm

EXC-U22NAB0

EXC-U22NBB0
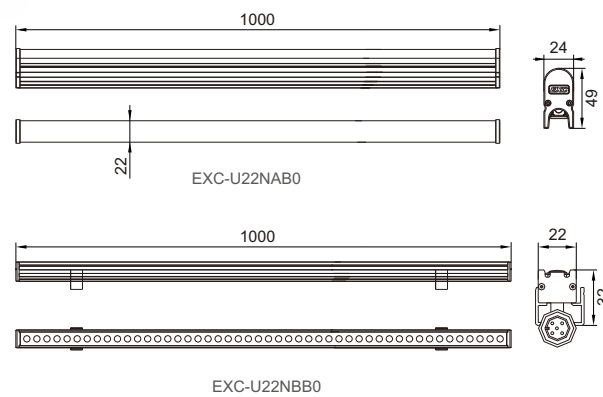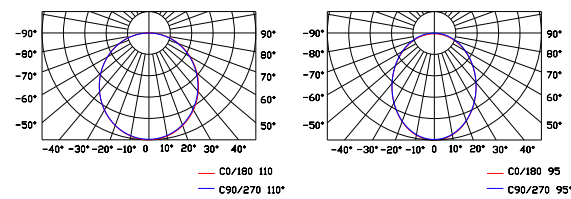
Basic Specifications	
Color	W/RGB/RGBW/RGB+W
Light source	SMD W/RGB 3in1/RGBW 4in1 LED
Life	35,000h
Material	High-strength aluminum alloy
Weight	U22NAB0:0.82Kg U22NBB0:0.79Kg
Working conditions	
Operating temperature	-40℃～50℃
Storage temperature	-40℃～70℃
Protection rating	IP66
Application environment	Outdoor

Electrical parameters	
Operating Voltage	DC24V
Maximum power	U22NAB0:18W U22NBB0:12W
Optical parameters	
Beam angle	≥110°
Controller	
Main Controller	EXC-Y220series,EXC-Y880series,EXC-M520series, EXC-5200series,EXC-6000series,EXC-8000series, EXC-10000series......
Sub Controller	EXC-S880,EXC-2905......

Available Models

Product model	Working voltage	Power	Light source	Angle	Control protocol	Gray scale	Material	Energy efficiency value	LED brand
U22NAB0	DC24V	12W	48xRGB	≥110°	DMX512	256/65536	Aluminum + PC	≥25 lm/w	Note 1
U22NAB0	DC24V	15W	60xRGB	≥110°	DMX512	256/65536	Aluminum + PC	≥25 lm/w	Note 1
U22NAB0	DC24V	15W	48xRGBW	≥110°	DMX512	256/65536	Aluminum + PC	≥35 lm/w	Note 1
U22NAB0	DC24V	18W	60xRGBW	≥110°	DMX512	256/65536	Aluminum + PC	≥35 lm/w	Note 1
U22NAB0	DC24V	12W	24xRGB+24xW	≥110°	DMX512	256/65536	Aluminum + PC	≥35 lm/w	Note 1
U22NAB0	DC24V	15W	30xRGB+30xW	≥110°	DMX512	256/65536	Aluminum + PC	≥35 lm/w	Note 1

Note 1: LED brand: CREE/OSRAM/LUMILEDS/ /Taiwan/Mainland   Note 2: The above optical parameter > 2700K; CREE/OSRAM/LUMILEDS.
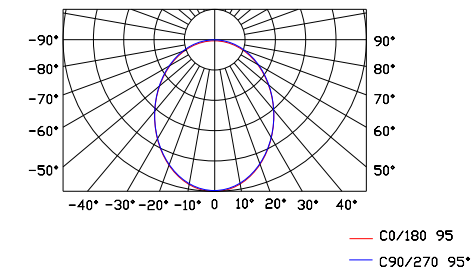

EXC-U24
N Series-Linear Light

EXC-U24 full-color series consists of full-color SMD linear lights equipped with a narrow aluminum-profile housing and specially designed by EXC for outdoor landscape lighting. Full-color SMD linear lamp .Each strip includes 8 pixels, and each pixel can realize 65536 grades gray scale changing; featuring simple and reliable installation, they can be used for extra-large area display of building facades, contour shaping, interior and exterior surface decoration lighting, and small-range wall washing.
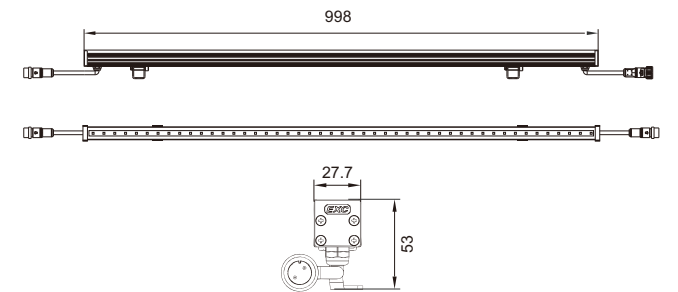
Product Features

● Self-contained wing installation
● New-generation DMX512 parallel bus technology
● Fully sealed and waterproof design with adhesive imported from Germany
● Heat dissipation design ensured by aluminum housing and low thermal resistance path
● Outdoor lighting protection and electrostatic discharge (ESD) protection design
● Support DC48V long-distance power supply technology

Light Distribution Curve
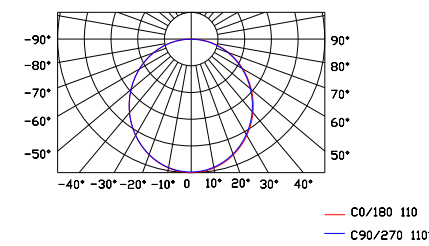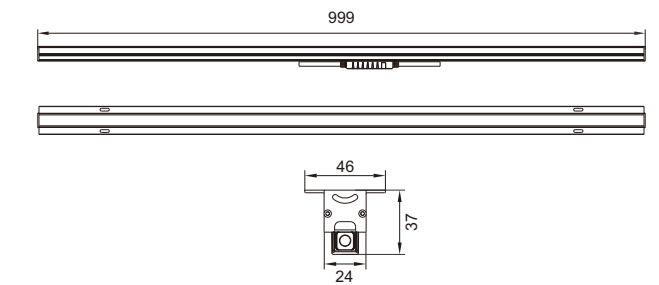
Product Size   Unit: mm

Basic Specifications	
Color	W/RGB/RGBW/RGB+W
Light source	SMD W/RGB 3in1/RGBW 4in1 LED
Life	35,000h
Material	High-strength aluminum alloy
Weight	0.62Kg
Working conditions	
Operating temperature	-40℃～50℃
Storage temperature	-40℃～70℃
Protection rating	IP66
Application environment	Outdoor

Electrical parameters	
Operating Voltage	DC24V/48V
Maximum power	18W
Optical parameters	
Beam angle	≥110°
Controller	
Main Controller	EXC-Y220series,EXC-Y880series,EXC-M520series, EXC-5200series,EXC-6000series,EXC-8000series, EXC-10000series......
Sub Controller	EXC-S880,EXC-2905......

Available Models

Product model	Working voltage	Power	Light source	Angle	Control protocol	Gray scale	Material	Energy efficiency value	LED brand
U24TAL0	DC24V	12W	48xRGB	≥110°	DMX512	256/65536	Aluminum + PC	≥25 lm/w	Note 1
U24TAL0	DC24V	15W	60xRGB	≥110°	DMX512	256/65536	Aluminum + PC	≥25 lm/w	Note 1
U24TAL0	DC24V	15W	48xRGBW	≥110°	DMX512	256/65536	Aluminum + PC	≥35 lm/w	Note 1
U24TAL0	DC24V	12W	24xRGB+24xW	≥110°	DMX512	256/65536	Aluminum + PC	≥35 lm/w	Note 1
U24TAL0	DC24V	18W	60xRGBW	≥110°	DMX512	256/65536	Aluminum + PC	≥35 lm/w	Note 1
U24TAL0	DC24V	15W	30xRGB+30xW	≥110°	DMX512	256/65536	Aluminum + PC	≥35 lm/w	Note 1
U24TAL0	DC48V	10W	48xRGB	≥110°	DMX512	256/65536	Aluminum + PC	≥25 lm/w	Note 1
U24TAL0	DC48V	10W	48xRGBW	≥110°	DMX512	256/65536	Aluminum + PC	≥35 lm/w	Note 1

Note 1: LED brand: CREE/OSRAM/LUMILEDS/ /Taiwan/Mainland   Note 2: The above optical parameter > 2700K; CREE/OSRAM/LUMILEDS.

EXC-U28
N Series-Linear Light

EXC-U28 full-color series consists of full-color SMD linear lights equipped with a narrow aluminum-profile housing and specially designed by EXC for outdoor landscape lighting. Full-color SMD linear lamp with a width of only 28mm. Each strip includes 8 pixels, and each pixel can realize 65536 grades gray scale changing; featuring simple and reliable installation, they can be used for extra-large area display of building facades, contour shaping, interior and exterior surface decoration lighting, and small-range wall washing.
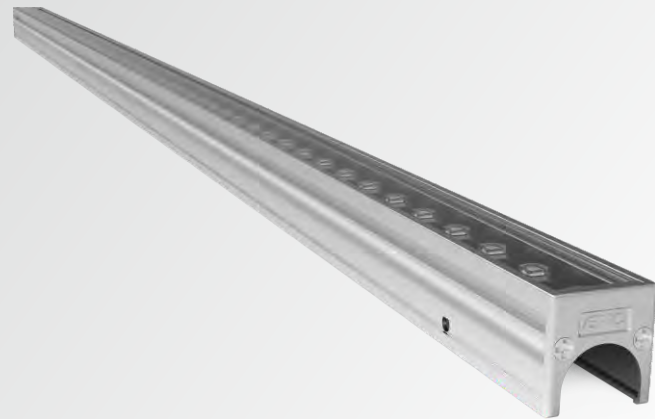
Product Features

● Only 28 mm wide
● New-generation DMX512 parallel bus technology
● Fully sealed and waterproof design with adhesive imported from Germany
● Heat dissipation design ensured by aluminum housing and low thermal resistance path
● Outdoor lighting protection and electrostatic discharge (ESD) protection design

Light Distribution Curve

—— C0/180 110
—— C90/270 110°

Product Size   Unit: mm

1000

28
29.5
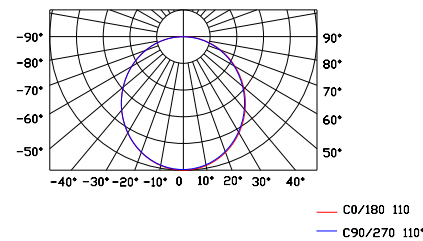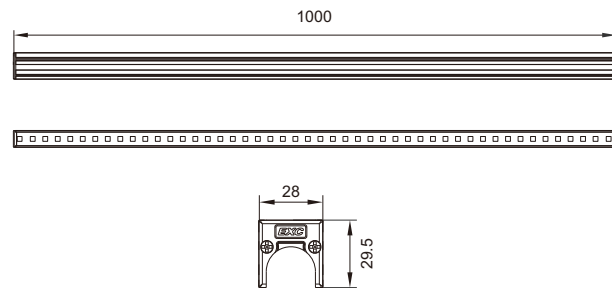
Basic Specifications	
Color	W/RGB/RGBW
Light source	SMD W/RGB 3in1/RGBW 4in1 LED
Life	35,000h
Material	High-strength aluminum alloy
Weight	0.85Kg
Working conditions	
Operating temperature	-40℃ ~ 50℃
Storage temperature	-40℃ ~ 70℃
Protection rating	IP66
Application environment	Outdoor

Electrical parameters	
Operating Voltage	DC24V
Maximum power	18W(RGBW)
Optical parameters	
Beam angle	≥110°
Controller	
Main Controller	EXC-Y220series,EXC-Y880series,EXC-M520series, EXC-5200series,EXC-6000series,EXC-8000series, EXC-10000series......
Sub Controller	EXC-S880,EXC-2905......

Available Models

Product model	Working voltage	Power	Light source	Angle	Control protocol	Gray scale	Material	Energy efficiency value		LED brand
								Transparent lampshade	Opal lampshade	
U28NAB0	DC24V	12W	48xW	≥110°	ON/OFF	/	Aluminum + PC	≥50 lm/w	≥30 lm/w	Note 1
U28NAB0	DC24V	15W	60xW	≥110°	ON/OFF	/	Aluminum + PC	≥50 lm/w	≥30 lm/w	Note 1
U28NAB0	DC24V	9W	36xRGB	≥110°	DMX512	256/65536	Aluminum + PC	≥25 lm/w	≥15 lm/w	Note 1
U28NAB0	DC24V	12W	48xRGB	≥110°	DMX512	256/65536	Aluminum + PC	≥25 lm/w	≥15 lm/w	Note 1
U28NAB0	DC24V	15W	60xRGB	≥110°	DMX512	256/65536	Aluminum + PC	≥25 lm/w	≥15 lm/w	Note 1
U28NAB0	DC24V	15W	48xRGBW	≥110°	DMX512	256/65536	Aluminum + PC	≥35 lm/w	≥25 lm/w	Note 1

Note 1: LED brand: CREE/OSRAM/LUMILEDS/ /Taiwan/Mainland   Note 2: The above optical parameter > 2700K; CREE/OSRAM/LUMILEDS.

EXC-U30
N Series-Linear Light

EXC-U30 full-color series consists of full-color SMD linear lights equipped with a narrow aluminum-profile housing and specially designed by EXC for outdoor landscape lighting. Full-color SMD linear lamp with a width of only 30mm.Each strip includes 8 pixels, and each pixel can realize 256 grades gray scale changing; featuring simple and reliable installation, they can be used for extra-large area display of building facades, contour shaping, interior and exterior surface decoration lighting, and small-range wall washing.

EXC-U30NAB0

EXC-U30NBB0

Product Features

● New-generation DMX512 parallel bus technology
● Fully sealed and waterproof design with adhesive imported from Germany
● Heat dissipation design ensured by aluminum housing and low thermal resistance path
● Outdoor lighting protection and electrostatic discharge (ESD) protection design
● Can be certified by CCC, ETL, CE and other countries
● Support DC48V long-distance power supply technology

Product Size   Unit: mm

1000
33
34
30
EXC-U30NAB0

999
30
29
30
EXC-U30NBB0

Light Distribution Curve

—— C0/180 110
—— C90/270 110°

—— C0/180 95
—— C90/270 95°

Basic Specifications	
Color	W/RGB/RGBW/RGB+W
Light source	SMD W/RGB 3in1/RGBW 4in1 LED
Life	35,000h
Material	High-strength aluminum alloy
Weight	U30NAB0:0.71Kg U30NBB0:0.65Kg
Working conditions	
Operating temperature	-40℃ ~ 50℃
Storage temperature	-40℃ ~ 70℃
Protection rating	IP66
Application environment	Outdoor

| Electrical parameters	
Operating Voltage	DC24V/48V
Maximum power	18W(RGBW)
Optical parameters	
Beam angle	U30NAB0≥110° U30NBB0≥95°
Controller	
Main Controller	EXC-Y220series,EXC-Y880series,EXC-M520series, EXC-5200series,EXC-6000series,EXC-8000series, EXC-10000series......
Sub Controller	EXC-S880,EXC-2905......

Available Models

Product model	Working voltage	Power	Light source	Angle	Control protocol	Gray scale	Material	Energy efficiency value		LED brand
								Transparent lampshade	Opal lampshade	
U30NAB0	DC24V	12W	48xRGB	≥110°	DMX512	256/65536	Aluminum + PC	≥25 lm/w	≥20 lm/w	Note 1
U30NAB0	DC24V	15W	60xRGB	≥110°	DMX512	256/65536	Aluminum + PC	≥25 lm/w	≥20 lm/w	Note 1
U30NAB0	DC24V	15W	48XRGBW	≥110°	DMX512	256/65536	Aluminum + PC	≥35 lm/w	≥30 lm/w	Note 1
U30NAB0	DC24V	18W	60XRGBW	≥110°	DMX512	256/65536	Aluminum + PC	≥35 lm/w	≥30 lm/w	Note 1
U30NAB0	DC24V	12W	24XRGB+24XW	≥110°	DMX512	256/65536	Aluminum + PC	≥35 lm/w	≥30 lm/w	Note 1
U30NAB0	DC24V	15W	30XRGB+30XW	≥110°	DMX512	256/65536	Aluminum + PC	≥35 lm/w	≥30 lm/w	Note 1
U30NAB0	DC48V	10W	48xRGB	≥110°	DMX512	256/65536	Aluminum + PC		≥20 lm/w	Note 1
U30NAB0	DC48V	10W	48XRGBW	≥110°	DMX512	256/65536	Aluminum + PC		≥30 lm/w	Note 1

Note 1: LED brand: CREE/OSRAM/LUMILEDS/ /Taiwan/Mainland   Note 2: The above optical parameter > 2700K; CREE/OSRAM/LUMILEDS.

EXC-U35
N Series-Linear Light

EXC-U35 full-color series consists of full-color SMD linear lights equipped with a narrow aluminum-profile housing and specially designed by EXC for outdoor landscape lighting. Full-color SMD linear lamp with a width of only 35mm.Each strip includes 8 pixels, and each pixel can realize 256 grades gray scale changing; featuring simple and reliable installation, they can be used for extra-large area display of building facades, contour shaping, interior and exterior surface decoration lighting, and small-range wall washing.

EXC-U35NAB0
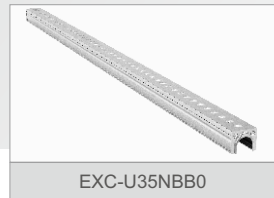
EXC-U35NBB0

Light Distribution Curve

— C0/180 110°
— C90/270 110°

— C0/180 95°
— C90/270 95°
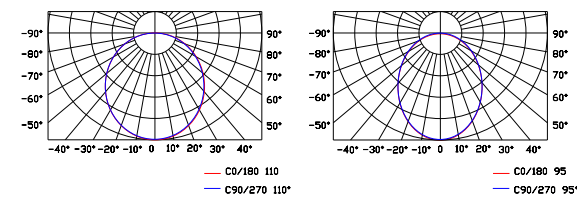
Product Features

● New-generation DMX512 parallel bus technology
● Higher light efficiency, better heat dissipation design, higher reliability
● Fully sealed and waterproof design with adhesive imported from Germany
● Outdoor lighting protection and electrostatic discharge (ESD) protection design
● Fully automated production process, rapid delivery
● Can be certified by CCC, ETL, CE and other countries

Product Size   Unit: mm
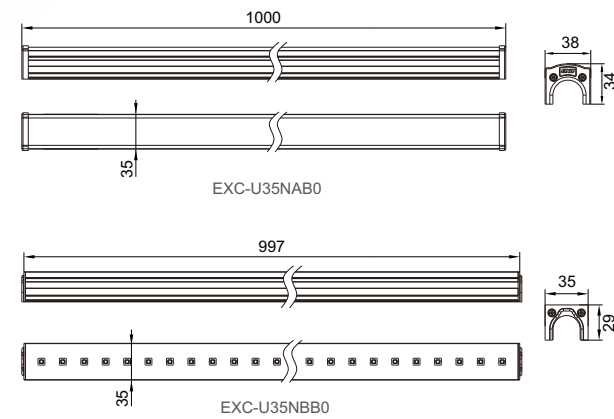
1000
38
34
EXC-U35NAB0

997
35
29
35
EXC-U35NBB0

Basic Specifications	
Color	W/RGB/RGBW/RGB+W
Light source	SMD W/RGB 3in1/RGBW 4in1 LED
Life	35,000h
Material	High-strength aluminum alloy
Weight	U35NAB0:0.62Kg U35NBB0:0.58Kg
Working conditions	
Operating temperature	-40℃ ~ 50℃
Storage temperature	-40℃ ~ 70℃
Protection rating	IP66
Application environment	Outdoor

Electrical parameters	
Operating Voltage	DC24V
Maximum power	18W(RGBW)
Optical parameters	
Beam angle	U35NAB0≥110° U35NBB0≥95°
Controller	
Main Controller	EXC-Y220series,EXC-Y880series,EXC-M520series, EXC-5200series,EXC-6000series,EXC-8000series, EXC-10000series......
Sub Controller	EXC-S880,EXC-2905......

Available Models

Product model	Working voltage	Power	Light source	Angle	Control protocol	Gray scale	Material	Energy efficiency value		LED brand
								Transparent lampshade	Opal lampshade	
U35NAB0	DC24V	12W	48xRGB	≥110°	DMX512	256/65536	Aluminum + PC	≥25 lm/w	≥16 lm/w	Note 1
U35NAB0	DC24V	15W	60xRGB	≥110°	DMX512	256/65536	Aluminum + PC	≥25 lm/w	≥16 lm/w	Note 1
U35NAB0	DC24V	15W	48xRGBW	≥110°	DMX512	256/65536	Aluminum + PC	≥35 lm/w	≥22 lm/w	Note 1
U35NAB0	DC24V	18W	60xRGBW	≥110°	DMX512	256/65536	Aluminum + PC	≥35 lm/w	≥22 lm/w	Note 1
U35NAB0	DC24V	12W	24xRGB+24xW	≥110°	DMX512	256/65536	Aluminum + PC	≥35 lm/w	≥22 lm/w	Note 1
U35NAB0	DC24V	15W	30xRGB+30xW	≥110°	DMX512	256/65536	Aluminum + PC	≥35 lm/w	≥22 lm/w	Note 1

Note 1: LED brand: CREE/OSRAM/LUMILEDS/ /Taiwan/Mainland   Note 2: The above optical parameter > 2700K; CREE/OSRAM/LUMILEDS.
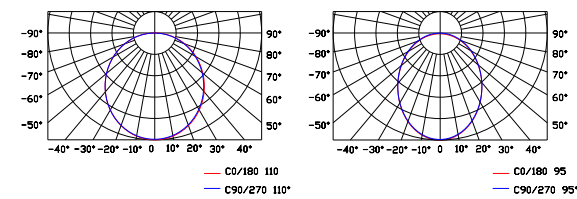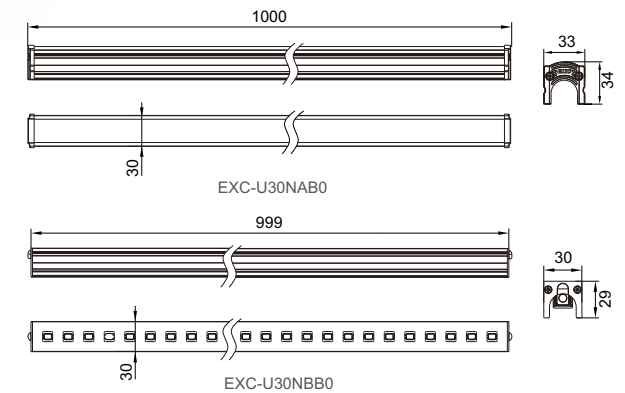

EXC-U40
N Series-Linear Light

EXC-U40 full-color series consists of full-color SMD linear lights equipped with a narrow aluminum-profile housing and specially designed by EXC for outdoor landscape lighting. Full-color SMD linear lamp with a width of only 40mm.Each strip includes 8 pixels, and each pixel can realize 65536 grades gray scale changing; featuring simple and reliable installation, they can be used for extra-large area display of building facades, contour shaping, interior and exterior surface decoration lighting, and small-range wall washing.

EXC-U40NAB0

EXC-U40NBB0

Light Distribution Curve

— C0/180 110°
— C90/270 110°

— C0/180 95°
— C90/270 95°

Product Features

● Width 40mm
● New-generation DMX512 parallel bus technology
● Fully sealed and waterproof design with adhesive imported from Germany
● Heat dissipation design ensured by aluminum housing and low thermal resistance path
● Outdoor lighting protection and electrostatic discharge (ESD) protection design

Product Size   Unit: mm

1000
43
34
EXC-U40NAB0

997
40
29
40
EXC-U40NBB0

Basic Specifications	
Color	W/RGB/RGBW/RGB+W
Light source	SMD W/RGB 3in1/RGBW 4in1 LED
Life	35,000h
Material	High-strength aluminum alloy
Weight	U40NAB0:0.72Kg U40NBB0:0.78Kg
Working conditions	
Operating temperature	-40℃ ~ 50℃
Storage temperature	-40℃ ~ 70℃
Protection rating	IP66
Application environment	Outdoor

| Electrical parameters	
Operating Voltage	DC24V
Maximum power	18W(RGBW)
Optical parameters	
Beam angle	U40NAB0≥110° U40NBB0≥95°
Controller	
Main Controller	EXC-Y220series,EXC-Y880series,EXC-M520series, EXC-5200series,EXC-6000series,EXC-8000series, EXC-10000series......
Sub Controller	EXC-S880,EXC-2905......

Available Models

Product model	Working voltage	Power	Light source	Angle	Control protocol	Gray scale	Material	Energy efficiency value		LED brand
								Transparent lampshade	Opal lampshade	
U40NAB0	DC24V	15W	60xW	≥110°	ON/OFF	/	Aluminum + PC	≥50 lm/w	≥40 lm/w	Note 1
U40NAB0	DC24V	9W	36xRGB	≥110°	DMX512	256/65536	Aluminum + PC	≥25 lm/w	≥20 lm/w	Note 1
U40NAB0	DC24V	12W	48xRGB	≥110°	DMX512	256/65536	Aluminum + PC	≥25 lm/w	≥20 lm/w	Note 1
U40NAB0	DC24V	15W	60xRGB	≥110°	DMX512	256/65536	Aluminum + PC	≥25 lm/w	≥20 lm/w	Note 1
U40NAB0	DC24V	15W	48xRGBW	≥110°	DMX512	256/65536	Aluminum + PC	≥35 lm/w	≥30 lm/w	Note 1
U40NAB0	DC24V	12W	24xRGB+24xW	≥110°	DMX512	256/65536	Aluminum + PC	≥35 lm/w	≥30 lm/w	Note 1

Note 1: LED brand: CREE/OSRAM/LUMILEDS/ /Taiwan/Mainland   Note 2: The above optical parameter > 2700K; CREE/OSRAM/LUMILEDS.

EXC-U100
N Series-Linear Light

EXC-U100 full-color series consists of full-color SMD linear lights equipped with a narrow aluminum-profile housing and specially designed by EXC for outdoor landscape lighting. Full-color SMD linear lamp with a width of only 100mm.Each strip includes 8 pixels, and each pixel can realize 65536 grades gray scale changing; featuring simple and reliable installation, they can be used for extra-large area display of building facades, contour shaping, interior and exterior surface decoration lighting, and small-range wall washing.

EXC-U100NEB0

EXC-U100NAB0

Light Distribution Curve

— C0/180 110
— C90/270 110°

Product Features

● New-generation DMX512 parallel bus technology
● Width 100mm
● Fully sealed and waterproof design with adhesive imported from Germany
● Heat dissipation design ensured by aluminum housing and low thermal resistance path
● Outdoor lighting protection and electrostatic discharge (ESD) protection design

Product Size   Unit: mm

994

30

EXC-U100NEB0

1000

51

100
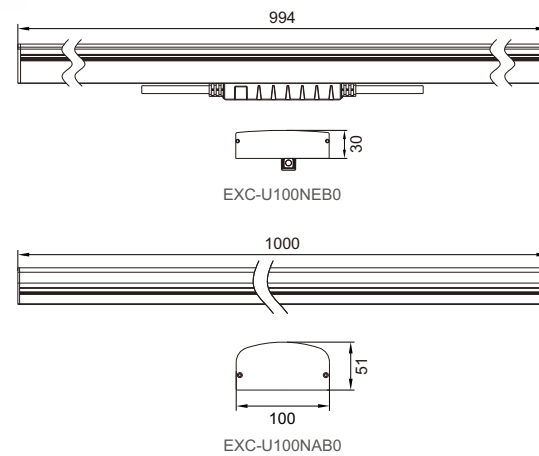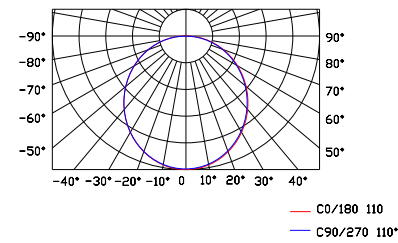
EXC-U100NAB0

Basic Specifications

Color	W/RGB
Light source	SMD W/RGB 3in1 LED
Life	35,000h
Material	High-strength aluminum alloy
Weight	U100NAB0:1.60Kg U100NEB0:2.0Kg
Working conditions	
Operating temperature	-40℃ ~ 50℃
Storage temperature	-40℃ ~ 70℃
Protection rating	IP66
Application environment	Outdoor

Electrical parameters

Operating Voltage	DC24V
Maximum power	24W
Optical parameters	
Beam angle	≥110°
Controller	
Main Controller	EXC-Y220series,EXC-Y880series,EXC-M520series, EXC-5200series,EXC-6000series,EXC-8000series, EXC-10000series......
Sub Controller	EXC-S880,EXC-2905......

Available Models

Product model	Working voltage	Power	Light source	Angle	Control protocol	Gray scale	Material	Energy efficiency value	LED brand
U100NAB0	DC24V	24W	144xW	≥110°	ON/OFF	/	Aluminum + PC	≥40 lm/w	Note 1
U100NAB0	DC24V	24W	144xRGB	≥110°	DMX512	256/65536	Aluminum + PC	≥15 lm/w	Note 1
U100NEB0	DC24V	24W	144xW	≥110°	ON/OFF	/	Aluminum + PC	≥30 lm/w	Note 1
U100NEB0	DC24V	24W	144xRGB	≥110°	DMX512	256/65536	Aluminum + PC	≥15 lm/w	Note 1

Note 1: LED brand: CREE/OSRAM/LUMILEDS/ /Taiwan/Mainland   Note 2: The above optical parameter > 2700K; CREE/OSRAM/LUMILEDS.

EXC-D30/D50
D Series-Uniform linear Light

The D series consists of linear lights equipped with a narrow aluminum-profile housing and specially designed by EXC for outdoor landscape lighting. SMD linear light and each pixel can realize 65536 grades gray scale changing; featuring simple and reliable installation, they can be used for extra-large area display of building facades, contour shaping, interior and exterior surface decoration lighting and small-range wall wash lighting.
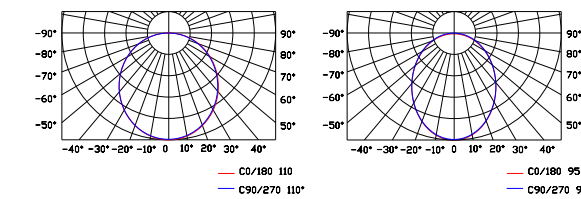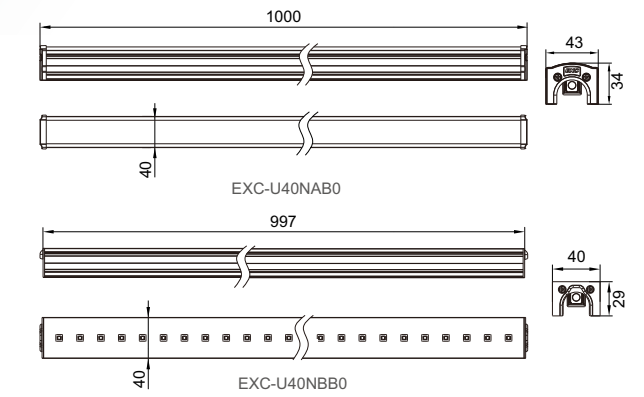
EXC-D30BAB0

EXC-D50BAB0

Light Distribution Curve

— C0/180 120
— C90/270 120°

Product Features

● New-generation DMX512 parallel bus technology
● Fully sealed and waterproof design with adhesive imported from Germany
● Low thermal resistance path heat dissipation design
● Outdoor lighting protection and electrostatic discharge (ESD) protection design
● Support DC48V long-distance power supply technology

Product Size   Unit: mm

999

33

58

30

EXC-D30BAB0

994

55

52

76

EXC-D50BAB0
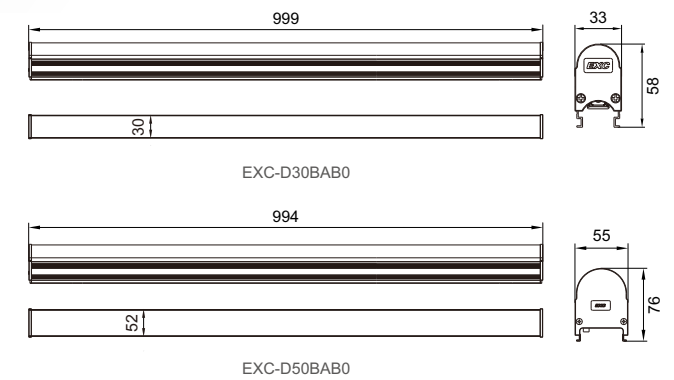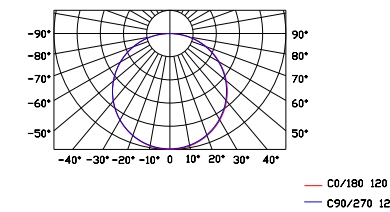
Basic Specifications

Color	W/RGB/RGBW/RGB+W
Light source	SMD W/RGB 3in1/RGBW 4in1 LED
Life	35,000h
Material	High-strength aluminum alloy
Weight	D30BAB0:0.84Kg D50BAB0:0.77Kg
Working conditions	
Operating temperature	-40℃ ~ 50℃
Storage temperature	-40℃ ~ 70℃
Protection rating	IP66
Application environment	Outdoor

Electrical parameters

Operating Voltage	DC24V/48V
Maximum power	18W
Optical parameters	
Beam angle	≥120°
Controller	
Main Controller	EXC-Y220series,EXC-Y880series,EXC-M520series, EXC-5200series,EXC-6000series,EXC-8000series, EXC-10000series......
Sub Controller	EXC-S880,EXC-2905......

Available Models

Product model	Working voltage	Power	Light source	Angle	Control protocol	Gray scale	Material	Energy efficiency value	LED brand
D30BAB0	DC24V	9W	36xW	≥110°	ON/OFF	/	Aluminum + PC	≥25 lm/w	Note 1
D30BAB0	DC24V	12W	48xW	≥110°	ON/OFF	/	Aluminum + PC	≥25 lm/w	Note 1
D30BAB0	DC24V	15W	60xW	≥110°	ON/OFF	/	Aluminum + PC	≥25 lm/w	Note 1
D30BAB0	DC24V	9W	36xRGB	≥110°	DMX512	256/65536	Aluminum + PC	≥8 lm/w	Note 1
D30BAB0	DC24V	12W	48xRGB	≥110°	DMX512	256/65536	Aluminum + PC	≥8 lm/w	Note 1
D30BAB0	DC24V	15W	60xRGB	≥110°	DMX512	256/65536	Aluminum + PC	≥8 lm/w	Note 1
D30BAB0	DC48V	10W	48xRGB	≥110°	DMX512	256/65536	Aluminum + PC	≥8 lm/w	Note 1
D30BAB0	DC48V	10W	48xRGBW	≥110°	DMX512	256/65536	Aluminum + PC	≥15 lm/w	Note 1

Note 1: LED brand: CREE/OSRAM/LUMILEDS/ /Taiwan/Mainland   Note 2: The above optical parameter > 2700K; CREE/OSRAM/LUMILEDS.

EXC-U16/U20/U22/U30/U37

ND Series-Uniform linear Light

The ND series consists of uniform-light strip lights specially designed by EXC for outdoor landscape lighting and varying in width (16mm, 20mm, 22mm, 30mm, and 37mm). Each strip includes multiple pixels, and each pixel can realize 65536 grades gray scale changing; featuring simple and reliable installation, they can be used for extra-large area display of building facades, contour shaping, interior and exterior surface decoration lighting.

EXC-U16NDB0

EXC-U20NDB0

EXC-U22NDB0

EXC-U30NDB0

EXC-U37NDB0

Product Features

● Opal acrylic, uniform lighting on three sides, with soft light
● Seamless splicing, and no dark area at the splicing
● DMX512 parallel control, ensuring stability and reliability
● Multiple mounting methods available for customers, including conventional mounting seat, elastic buckles, etc.
● Support DC48V long-distance power supply technology

Basic Specifications	
Color	W/RGB/RGBW
Light source	SMD W/RGB 3in1/RGBW 4in1 LED
Life	35,000h
Material	High-strength aluminum alloy
Weight	U16NDB0:0.85Kg U20NDB0:0.89Kg U22NDB0:0.99Kg U30NDB0:1.25Kg U37NDB0:1.63Kg
Working conditions	
Operating temperature	-40℃ ~ 50℃
Storage temperature	-40℃ ~ 70℃
Protection rating	IP66
Application environment	Outdoor
Electrical parameters	
Operating Voltage	DC24V/48V
Maximum power	15W(RGBW)
Optical parameters	
Beam angle	≥105°
Controller	
Main Controller	EXC-Y220series,EXC-Y880series,EXC-M520series, EXC-5200series,EXC-6000series,EXC-8000series, EXC-10000series......
Sub Controller	EXC-S880,EXC-2905......

Light Distribution Curve

—— C0/180 105
—— C90/270 105°

Product Size   Unit: mm

1000

16

47

EXC-U16NDB0

999

30

26

EXC-U30NDB0

1000

20

46

EXC-U20NDB0

999

37

51.4

EXC-U37NDB0

1000

22

46

EXC-U22NDB0

Available Models

Product model	Working voltage	Power	Light source	Angle	Control protocol	Gray scale	Material	Energy efficiency value	LED brand
U16NDB0	DC24V	12W	48xW	≥110°	ON/OFF	/	Aluminum + Acrylic	≥20 lm/w	Note 1
U16NDB0	DC24V	12W	48xRGB	≥110°	DMX512	256/65536	Aluminum + Acrylic	≥10 lm/w	Note 1
U16NDB0	DC24V	15W	48xRGBW	≥110°	DMX512	256/65536	Aluminum + Acrylic	≥15 lm/w	Note 1
U20NDB0	DC24V	12W	48xW	≥110°	ON/OFF	/	Aluminum + Acrylic	≥20 lm/w	Note 1
U20NDB0	DC24V	12W	48xRGB	≥110°	DMX512	256/65536	Aluminum + Acrylic	≥10 lm/w	Note 1
U20NDB0	DC24V	15W	48xRGBW	≥110°	DMX512	256/65536	Aluminum + Acrylic	≥15 lm/w	Note 1
U22NDB0	DC24V	12W	48xW	≥110°	ON/OFF	/	Aluminum + Acrylic	≥20 lm/w	Note 1
U22NDB0	DC24V	12W	48xRGB	≥110°	DMX512	256/65536	Aluminum + Acrylic	≥10 lm/w	Note 1
U22NDB0	DC24V	15W	48xRGBW	≥110°	DMX512	256/65536	Aluminum + Acrylic	≥15 lm/w	Note 1
U30NDB0	DC24V	12W	48xW	≥110°	ON/OFF	/	Aluminum + Acrylic	≥20 lm/w	Note 1
U30NDB0	DC24V	12W	48xRGB	≥110°	DMX512	256/65536	Aluminum + Acrylic	≥10 lm/w	Note 1
U30NDB0	DC24V	15W	48xRGBW	≥110°	DMX512	256/65536	Aluminum + Acrylic	≥15 lm/w	Note 1
U37NDB0	DC24V	12W	48xW	≥110°	ON/OFF	/	Aluminum + Acrylic	≥20 lm/w	Note 1
U37NDB0	DC24V	12W	48xRGB	≥110°	DMX512	256/65536	Aluminum + Acrylic	≥10 lm/w	Note 1
U37NDB0	DC24V	15W	48xRGBW	≥110°	DMX512	256/65536	Aluminum + Acrylic	≥15 lm/w	Note 1
U37NDB0	DC48V	10W	48xRGB	≥110°	DMX512	256/65536	Aluminum + Acrylic	≥10 lm/w	Note 1
U37NDB0	DC48V	10W	48xRGBW	≥110°	DMX512	256/65536	Aluminum + Acrylic	≥15 lm/w	Note 1

Note 1: LED brand: CREE/OSRAM/LUMILEDS/ /Taiwan/Mainland   Note 2: The above optical parameter > 2700K; CREE/OSRAM/LUMILEDS.

EXC-U60/U80/U100/U300

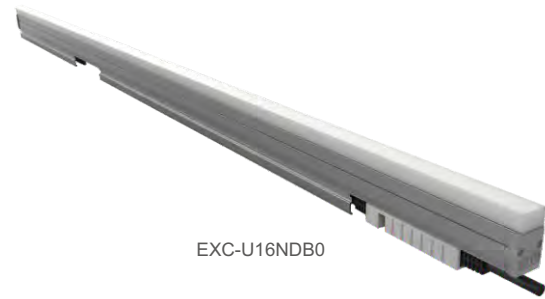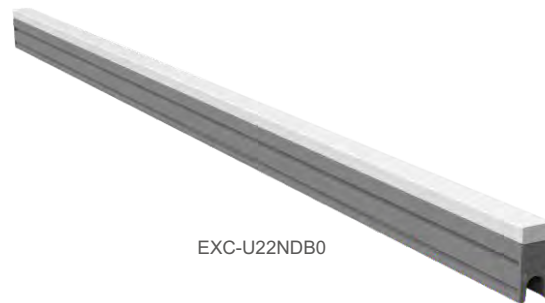## AD Series-Side-emitting Linear Light

The AD series consists of Lateral linear lights equipped with a narrow aluminum-profile housing and specially designed by EXC for outdoor landscape lighting. The lamp can be completely integrated with the building, it does not affect the appearance of the building during the day, and it is truly invisible. Featuring simple and reliable installation, they can be used for extra-large area display of building facades, contour shaping, interior and exterior surface decoration lighting.

EXC-U60ADB0

EXC-U80ADB0

EXC-U100ADB0

EXC-U300ADB0

Product Features

● Ultra-thin design with a thickness of only 23 mm
● Concealed design, completely integrated with buildings
● Heat dissipation design ensured by aluminum housing and low thermal resistance path
● Outdoor lighting protection and electrostatic discharge (ESD) protection design
● Ceiling suspension wire design, ensuring simple and convenient installation.
● All-aluminum metal, ultra-thin design, high-grade appearance and beautiful structure.
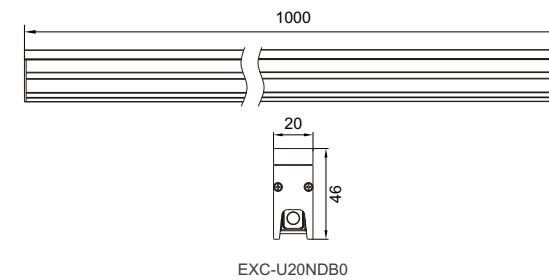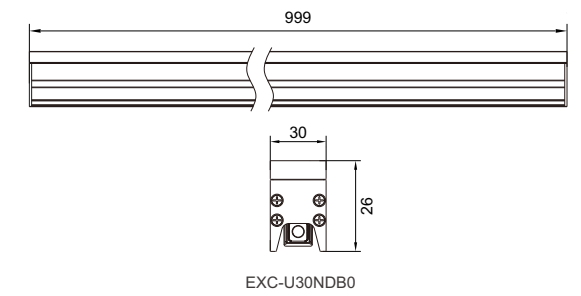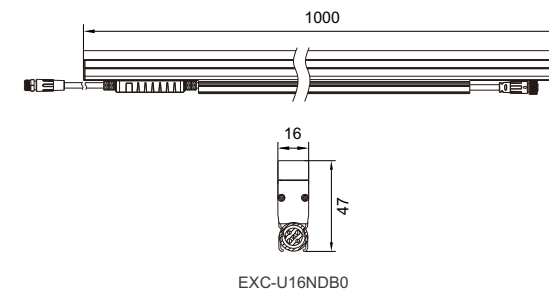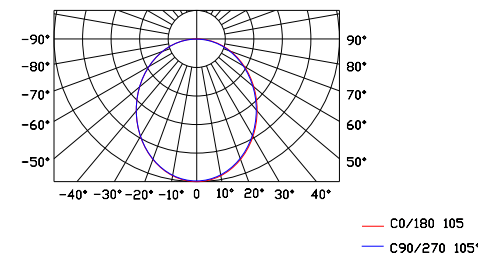
Basic Specifications	
Color	W/RGB/RGBW
Light source	SMD W/RGB 3in1/RGBW 4in1 LED
Life	35,000h
Material	High-strength aluminum alloy
Weight	U60ADB0:1.12Kg U80ADB0:1.30Kg U100ADB0:1.50Kg U300ADB0:2.50Kg
Working conditions	
Operating temperature	-40℃ ~ 50℃
Storage temperature	-40℃ ~ 70℃
Protection rating	IP66
Application environment	Outdoor
Electrical parameters	
Operating Voltage	DC24V
Maximum power	15W(RGBW)
Optical parameters	
Beam angle	≥110°
Controller	
Main Controller	EXC-Y220series,EXC-Y880series,EXC-M520series, EXC-5200series,EXC-6000series,EXC-8000series, EXC-10000series......
Sub Controller	EXC-S880,EXC-2905......

Light Distribution Curve

—— C0/180 105
—— C90/270 105°

Product Size   Unit: mm

1000   23   60
EXC-U60ADB0

1000   23   80
EXC-U80ADB0

1000   23   100
EXC-U100ADB0

996   23   300
EXC-U300ADB0

Available Models

Product model	Working voltage	Power	Light source	Angle	Control protocol	Gray scale	Material	Energy efficiency value	LED brand
U60ADB0	DC24V	12W	48xW	≥110°	ON/OFF	/	Aluminum + Acrylic	≥20 lm/w	Note 1
U60ADB0	DC24V	15W	60xW	≥110°	ON/OFF	/	Aluminum + Acrylic	≥20 lm/w	Note 1
U60ADB0	DC24V	12W	48xRGB	≥110°	DMX512	256/65536	Aluminum + Acrylic	≥10 lm/w	Note 1
U60ADB0	DC24V	15W	60xRGB	≥110°	DMX512	256/65536	Aluminum + Acrylic	≥10 lm/w	Note 1
U80ADB0	DC24V	12W	48xW	≥110°	ON/OFF	/	Aluminum + Acrylic	≥20 lm/w	Note 1
U80ADB0	DC24V	15W	60xW	≥110°	ON/OFF	/	Aluminum + Acrylic	≥20 lm/w	Note 1
U80ADB0	DC24V	12W	48xRGB	≥110°	DMX512	256/65536	Aluminum + Acrylic	≥10 lm/w	Note 1
U100ADB0	DC24V	12W	48xW	≥110°	ON/OFF	/	Aluminum + Acrylic	≥20 lm/w	Note 1
U100ADB0	DC24V	15W	60xW	≥110°	ON/OFF	/	Aluminum + Acrylic	≥20 lm/w	Note 1
U100ADB0	DC24V	12W	48xRGB	≥110°	DMX512	256/65536	Aluminum + Acrylic	≥10 lm/w	Note 1
U100ADB0	DC24V	15W	60xRGB	≥110°	DMX512	256/65536	Aluminum + Acrylic	≥10 lm/w	Note 1
U300ADB0	DC24V	12W	48xW	≥110°	ON/OFF	/	Aluminum + Acrylic	≥20 lm/w	Note 1
U300ADB0	DC24V	15W	60xW	≥110°	ON/OFF	/	Aluminum + Acrylic	≥20 lm/w	Note 1
U300ADB0	DC24V	12W	48xRGB	≥110°	DMX512	256/65536	Aluminum + Acrylic	≥10 lm/w	Note 1
U300ADB0	DC24V	15W	60xRGB	≥110°	DMX512	256/65536	Aluminum + Acrylic	≥10 lm/w	Note 1

Note 1: LED brand: CREE/OSRAM/LUMILEDS/ /Taiwan/Mainland   Note 2: The above optical parameter > 2700K; CREE/OSRAM/LUMILEDS.

EXC®

LANDSCAPE LIGHTING

- Projection Light Series
- Window Light Series
- Step light Series
- Panel Light Series
- Guardrail lighting Series

- Tree Light Series
- Corrugated Light Series
- LED Tree Light Series
- Floor tile light Series
- Solar point light Series

Projection Light Series

EXC-HY137
Projection Light X Series- Stars Light

EXC-HY137 Stars series can realize the visual effect of stars with the moon, and the built-in microwave sensor can realize the intelligent induction interaction with people.In the jumping mode, the scene of stars surging and fireflies dancing can be created.When people leave, the intelligence switches to a more energy-efficient hibernation mode to achieve light and dark breathing changes.

Product Features

● Realize the effect design of stars and dark moon
● The intelligent switch design between hibernation and jump mode is realized
● Achieve breathing changes and create a tranquil and soothing atmosphere
● Achieve jump change, make people feel passion and active designED display level weather resistance, low current design

HY137B

HY137A

Product Size   Unit: mm

137   181.3

223.1
227.2

161.3
191.1

Schematic Diagram of Installation Method

Light

Mounting Base

Install screw
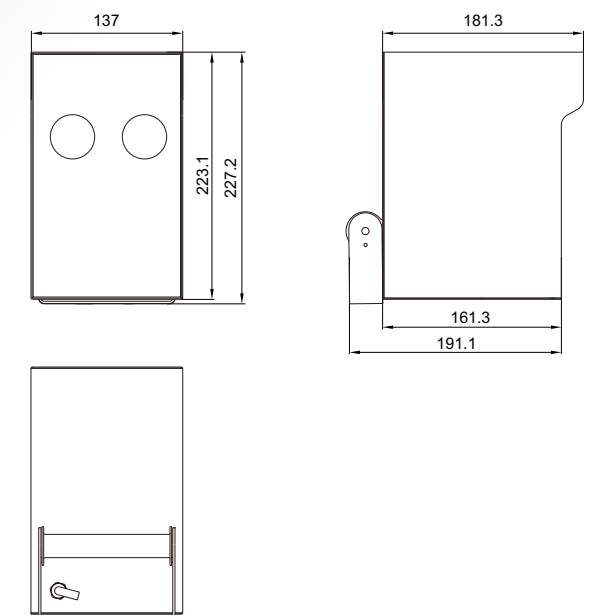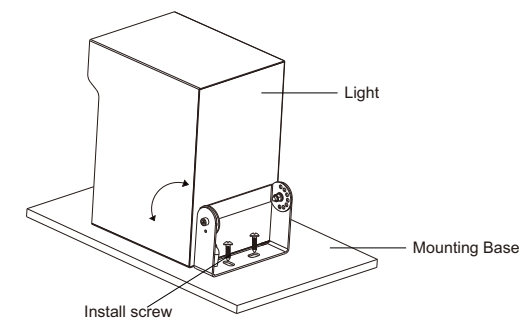
Basic Specifications	
Color	W/477nm
Light source	SMD W LED/LASER
Life	35,000h
Material	High-strength aluminum alloy/Tempered glass
Weight	2.5Kg
Working conditions	
Operating temperature	-40°C ~ 50°C
Storage temperature	-40°C ~ 70°C
Protection rating	IP66
Application environment	Outdoor

Electrical parameters	
Operating Voltage	AC220V
Maximum power	18W
Optical parameters	
Beam angle	-
Controller	
Main Controller	-
Sub Controller	-

Available Models

Product model	Working voltage	Power	Light source	Effect	Control protocol	Material	LED brand
HY137ARH	AC220V	12W	1xLaser	Stars	Intelligent sensor	Aluminium + Glass	Note 1
HY137BRH	AC220V	18W	1xLaser+1xW LED	Stars + Moon	Intelligent sensor	Aluminium + Glass	Note 1

Note 1: LED brand: CREE/OSRAM/LUMILEDS/ /Taiwan/Mainland   Note 2: The above optical parameter > 2700K; CREE/OSRAM/LUMILEDS.

EXC-Y20
Projection Light X Series- Star Effect Light

The Y20 series laser special effects lights can achieve a visual effect of the starry sky, and also have brightness changes to create scenes of twinkling stars or fireflies dancing. They can also be connected to interactive devices to achieve the effect of lights turning on when people come and turning off when people leave.

Product Features

● Compact and lightweight body design
● Rotating light dots
● Breathing and flashing effects of light dots
● Colorful variations
● Can be connected to an interactive system

Product Size   Unit: mm
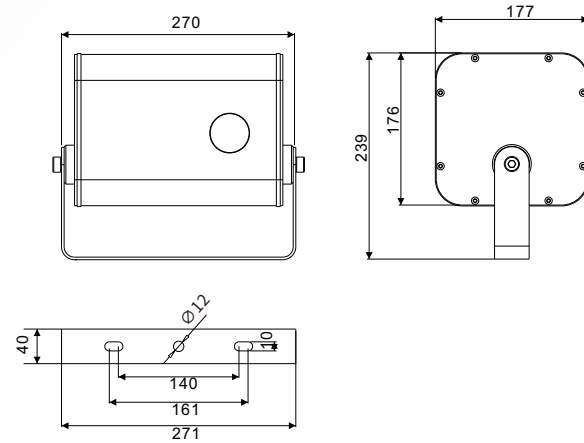
Physicals	
Housing	Aluminum
Installation	Bracket
Weight	5kg
IP Rated	IP65
Lifespan	>20000 hrs
Ambient Temperature	-20°C~ +45°C
Ambient Humidity	10%~90%
Photometrics	
Light Source	Laser
Color Temperature	8000K
Light Color	6 Colors
Beam Angle	80°
Effect	Variable Rotation, Dimming, Twinkle
Light Spots	500

Electrics	
Voltage	AC110~240V
Control Protocol	Auto/DMX512
Electrical Shock Protection	Class I
Power Cosumption	20W
Controller	
Main Controller	EXC-Y220series,EXC-Y880series,EXC-M520series, EXC-5200series,EXC-6000series,EXC-8000series, EXC-10000series......
Sub Controller	EXC-S880,EXC-2905......

Available Models

| Product model	Working voltage	Power	Light source	Effect	Control protocol	Material
Y20	AC110~240V	20W	LED	Star	Auto/DMX512	Aluminum+Glass

Note 1: LED brand: CREE/OSRAM/LUMILEDS/ /Taiwan/Mainland   Note 2: The above optical parameter > 2700K; CREE/OSRAM/LUMILEDS.

EXC-SL05/SL10
Projection Light S Series- Water Effect Light

EXC-SL05/SL10 series is designed for indoor and outdoor landscape lighting, supporting 50~100W various power specifications,RGBW full color transformation, can be used for indoor and outdoor landscape lighting needs to create dynamic water pattern effect of the scene.

Product Features

● The newest generation technology DMX512 parallel bus design
● RGBW full color dynamic water ripple effect
● High strength aluminum alloy, high quality assembly process, stable and reliable
● Efficient heat conduction and heat dissipation system
● Anti-corrosion, moisture-proof design, ≥IP65 dustproof and waterproof
● The installation of rotating bracket is convenient and fast

Product Size   Unit: mm
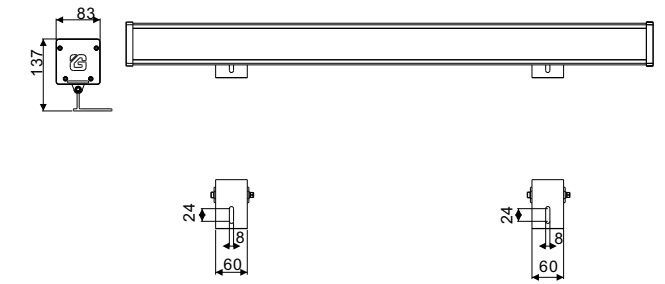
Physicals	
Housing	Aluminum
Installation	Bracket
Weight	4kg/8kg
IP Rated	IP65
Lifespan	>20000 hrs
Ambient Temperature	-20°C~ +45°C
Ambient Humidity	10%~90%
Photometrics	
Light Source	LED
Color Temperature	RGBW
Beam Angle	Scattering
Effect	Water Wave

Electrics	
Voltage	AC110~240V
Control Protocol	Auto/DMX512
Electrical Shock Protection	Class I
Power Cosumption	50W/100W
Controller	
Main Controller	EXC-Y220series,EXC-Y880series,EXC-M520series, EXC-5200series,EXC-6000series,EXC-8000series, EXC-10000series......
Sub Controller	EXC-S880,EXC-2905......

Available Models

Product model	Working voltage	Power	Light source	Effect	Control protocol	Material
S105	AC110~240V	50W	LED	Dynamic Water	Auto/DMX512	Aluminum+Glass
SL10	AC110~240V	100W	LED	Dynamic Water	Auto/DMX512	Aluminum+Glass

Note 1: LED brand: CREE/OSRAM/LUMILEDS/ /Taiwan/Mainland   Note 2: The above optical parameter > 2700K; CREE/OSRAM/LUMILEDS.

EXC-S05/S08/T05/T08

Projection Light T Series- Water Effect /Gobo Light

EXC-S05/S08/T05/T08 series of LED pattern lights designed for indoor and outdoor landscape lighting, single pattern static/rotating application design, can be used for indoor and outdoor landscape lighting needs a variety of single LOGO, pattern effect application scenarios.

Product Features

● Full-color LOGO and pattern projection design
● Static and rotating projection effects
● High strength aluminum alloy, high quality assembly process, stable and reliable
● Optional remote control, easy to use
● Anti-corrosion, moisture-proof design, ≥IP65 dustproof and waterproof
● The installation of rotating bracket is convenient and fast

Product Size   Unit: mm

Physicals	
Housing	Aluminum
Installation	Bracket
Weight	4kg
IP Rated	IP65
Lifespan	>20000 hrs
Ambient Temperature	-20°C~ +45°C
Ambient Humidity	10%~90%
Photometrics	
Light Source	LED
Color Temperature	7500K
Beam Angle	10° /20° /30° /45° /60°
Effect	Water Wave with 6 colors (S05/S08)
	1 Gobo (T05/T08)

Electrics	
Voltage	AC110~240V
Control Protocol	Auto/DMX512
Electrical Shock Protection	Class I
Power Cosumption	50W/80W
Controller	
Main Controller	EXC-Y220series,EXC-Y880series,EXC-M520series, EXC-5200series,EXC-6000series,EXC-8000series, EXC-10000series......
Sub Controller	EXC-S880,EXC-2905......

Available Models

Product model	Working voltage	Power	Light source	Effect	Control protocol	Material
S05	AC110~240V	50W	LED	Dynamic Water	Auto/DMX512	Aluminum+Glass
S08	AC110~240V	80W	LED	Dynamic Water	Auto/DMX512	Aluminum+Glass
T05	AC110~240V	50W	LED	1 Gobo	Auto/DMX512	Aluminum+Glass
T08	AC110~240V	80W	LED	1 Gobo	Auto/DMX512	Aluminum+Glass

Note 1: LED brand: CREE/OSRAM/LUMILEDS/ /Taiwan/Mainland   Note 2: The above optical parameter > 2700K; CREE/OSRAM/LUMILEDS.
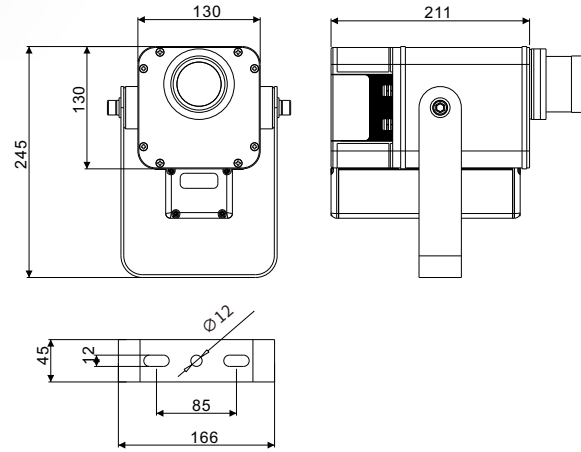
EXC-S15/S20/T15/T20

Projection Light T Series- Water Effect /Gobo Light

EXC-S15/S20/T15/T20 series of LED pattern lights designed for indoor and outdoor landscape lighting, single pattern static/rotating application design, can be used for indoor and outdoor landscape lighting needs a variety of single LOGO, pattern effect application scenarios.

Product Features

● Full-color LOGO and pattern projection design
● Static and rotating projection effects
● High strength aluminum alloy, high quality assembly process, stable and reliable
● Optional remote control, easy to use
● Anti-corrosion, moisture-proof design, ≥IP65 dustproof and waterproof
● The installation of rotating bracket is convenient and fast

Product Size   Unit: mm

Physicals	
Housing	Aluminum
Installation	Bracket
Weight	5kg
IP Rated	IP65
Lifespan	>20000 hrs
Ambient Temperature	-20°C~ +45°C
Ambient Humidity	10%~90%
Photometrics	
Light Source	LED
Color Temperature	7500K
Beam Angle	10° /20° /30° /45° /60°
Effect	Water Wave with 6 colors (S15/S20)
	6 Gobos (T15/T20)

Electrics	
Voltage	AC110~240V
Control Protocol	Auto/DMX512
Electrical Shock Protection	Class I
Power Cosumption	50W/100W
Controller	
Main Controller	EXC-Y220series,EXC-Y880series,EXC-M520series, EXC-5200series,EXC-6000series,EXC-8000series, EXC-10000series......
Sub Controller	EXC-S880,EXC-2905......

Available Models

Product model	Working voltage	Power	Light source	Effect	Control protocol	Material
S15	AC110~240V	150W	LED	Dynamic Water	Auto/DMX512	Aluminum+Glass
S20	AC110~240V	200W	LED	Dynamic Water	Auto/DMX512	Aluminum+Glass
T15	AC110~240V	150W	LED	6 Gobos	Auto/DMX512	Aluminum+Glass
T20	AC110~240V	200W	LED	6 Gobos	Auto/DMX512	Aluminum+Glass

Note 1: LED brand: CREE/OSRAM/LUMILEDS/ /Taiwan/Mainland   Note 2: The above optical parameter > 2700K; CREE/OSRAM/LUMILEDS.
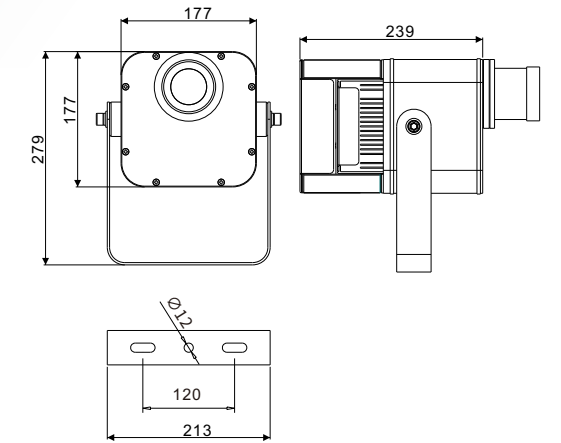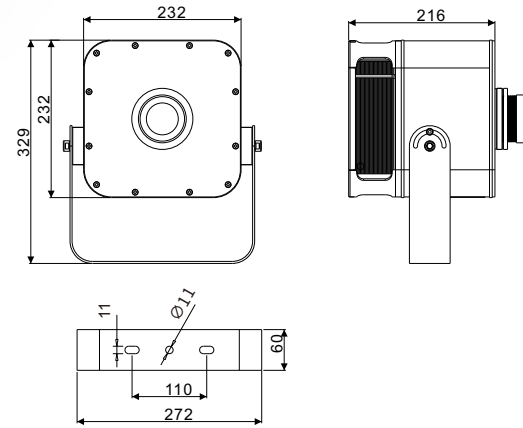
EXC-S30/S40/T30/T40

Projection Light T Series- Water
Effect /Gobo Light

EXC-S30/S40/T30/T40 series of LED pattern lights designed for indoor and outdoor landscape lighting, single pattern static/rotating application design, can be used for indoor and outdoor landscape lighting needs a variety of single LOGO, pattern effect application scenarios.

Product Features

● Full-color LOGO and pattern projection design
● Static and rotating projection effects
● High strength aluminum alloy, high quality assembly process, stable and reliable
● Optional remote control, easy to use
● Anti-corrosion, moisture-proof design, ≥IP65 dustproof and waterproof
● The installation of rotating bracket is convenient and fast

Product Size   Unit: mm

Physicals	
Housing	Aluminum
Installation	Bracket
Weight	7.5kg
IP Rated	IP65
Lifespan	>20000 hrs
Ambient Temperature	-20°C~ +45°C
Ambient Humidity	10%~90%
Photometrics	
Light Source	LED
Color Temperature	7500K
Beam Angle	10° /20° /30° /45° /60°
Effect	Water Wave with 6 colors (S30/S40)
	6 Gobos (T30/T40)

Electrics	
Voltage	AC110~240V
Control Protocol	Auto/DMX512
Electrical Shock Protection	Class I
Power Cosumption	300W/400W
Controller	
Main Controller	EXC-Y220series,EXC-Y880series,EXC-M520series, EXC-5200series,EXC-6000series,EXC-8000series, EXC-10000series......
Sub Controller	EXC-S880,EXC-2905......

Available Models

Product model	Working voltage	Power	Light source	Effect	Control protocol	Material
S30	AC110~240V	300W	LED	Dynamic Water	Auto/DMX512	Aluminum+Glass
S40	AC110~240V	400W	LED	Dynamic Water	Auto/DMX512	Aluminum+Glass
T30	AC110~240V	300W	LED	6 Gobos	Auto/DMX512	Aluminum+Glass
T40	AC110~240V	400W	LED	6 Gobos	Auto/DMX512	Aluminum+Glass

Note 1: LED brand: CREE/OSRAM/LUMILEDS/ /Taiwan/Mainland   Note 2: The above optical parameter > 2700K; CREE/OSRAM/LUMILEDS.

EXC-S40Z/T40Z

Projection Light T Series- Zoom Water
Effect /Gobo Light

EXC-S40Z/T40Z series of LED pattern lights designed for indoor and outdoor landscape lighting, single pattern static/rotating application design, can be used for indoor and outdoor landscape lighting needs a variety of single LOGO, pattern effect application scenarios.

Product Features

● Full-color LOGO and pattern projection design
● Static and rotating projection effects
● High strength aluminum alloy, high quality assembly process, stable and reliable
● Optional remote control, easy to use
● Anti-corrosion, moisture-proof design, ≥IP65 dustproof and waterproof
● The installation of rotating bracket is convenient and fast

Product Size   Unit: mm
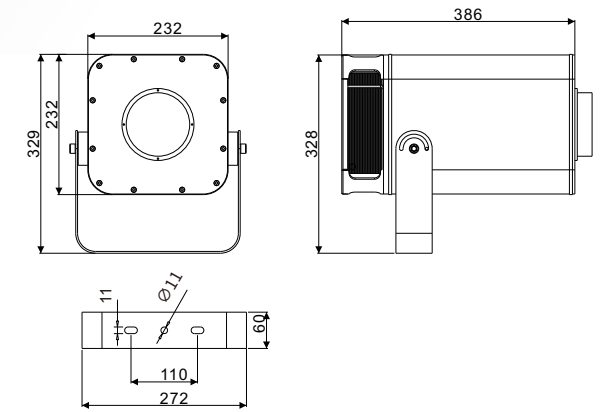
Physicals	
Housing	Aluminum
Installation	Bracket
Weight	15kg
IP Rated	IP65
Lifespan	>20000 hrs
Ambient Temperature	-20°C~ +45°C
Ambient Humidity	10%~90%
Photometrics	
Light Source	LED
Color Temperature	7500K
Beam Angle	10°~50° Zoom
Effect	Water Wave with 6 colors (S40Z)
	6 Gobos (T40Z)

Electrics	
Voltage	AC110~240V
Control Protocol	Auto/DMX512
Electrical Shock Protection	Class I
Power Cosumption	400W
Controller	
Main Controller	EXC-Y220series,EXC-Y880series,EXC-M520series, EXC-5200series,EXC-6000series,EXC-8000series, EXC-10000series......
Sub Controller	EXC-S880,EXC-2905......

Available Models

Product model	Working voltage	Power	Light source	Effect	Control protocol	Material
S40Z	AC110~240V	400W	LED	Dynamic Water	Auto/DMX512	Aluminum+Glass
T40Z	AC110~240V	400W	LED	6 Gobos	Auto/DMX512	Aluminum+Glass

Note 1: LED brand: CREE/OSRAM/LUMILEDS/ /Taiwan/Mainland   Note 2: The above optical parameter > 2700K; CREE/OSRAM/LUMILEDS.

EXC-S60Z/T60Z

Projection Light T Series- Zoom Water Effect /Gobo Light

EXC-S60Z/T60Z series of LED pattern lights designed for indoor and outdoor landscape lighting, single pattern static/rotating application design, can be used for indoor and outdoor landscape lighting needs a variety of single LOGO, pattern effect application scenarios.

Product Features

- Full-color LOGO and pattern projection design
- Static and rotating projection effects
- High strength aluminum alloy, high quality assembly process, stable and reliable
- Optional remote control, easy to use
- Anti-corrosion, moisture-proof design, ≥IP65 dustproof and waterproof
- The installation of rotating bracket is convenient and fast

Product Size   Unit: mm
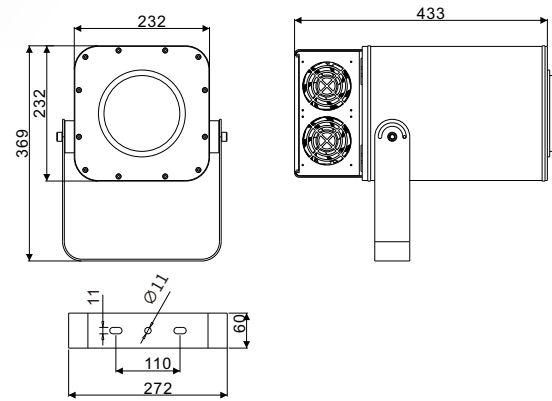
Physicals	
Housing	Aluminum
Installation	Bracket
Weight	16kg
IP Rated	IP65
Lifespan	>20000 hrs
Ambient Temperature	-20°C~ +45°C
Ambient Humidity	10%~90%
Photometrics	
Light Source	LED
Color Temperature	7500K
Beam Angle	10°~50° Zoom
Effect	Water Wave with 6 colors (S60Z)
	6 Gobos (T60Z)

Electrics	
Voltage	AC110~240V
Control Protocol	Auto/DMX512
Electrical Shock Protection	Class I
Power Cosumption	600W
Controller	
Main Controller	EXC-Y220series,EXC-Y880series,EXC-M520series, EXC-5200series,EXC-6000series,EXC-8000series, EXC-10000series......
Sub Controller	EXC-S880,EXC-2905......

Available Models

Product model	Working voltage	Power	Light source	Effect	Control protocol	Material
S60Z	AC110~240V	600W	LED	Dynamic Water	Auto/DMX512	Aluminum+Glass
T60Z	AC110~240V	600W	LED	6 Gobos	Auto/DMX512	Aluminum+Glass

Note 1: LED brand: CREE/OSRAM/LUMILEDS/ /Taiwan/Mainland   Note 2: The above optical parameter > 2700K; CREE/OSRAM/LUMILEDS.

EXC-PJ30

Projection Light Y Series- Interactive Projector

The overall size of the projector is compact, making it more suitable for use in cultural and tourism scenic spots, outdoor parks, city lighting, and other occasions. The reduction in volume means highly integrated design and excellent heat dissipation performance. The housing has also reached an IP65 level of dustproof and waterproof protection. With the use of high quality fans, there is no need to worry about heat dissipation problems even in hot summers.

Product Features

- Operating System
The built-in Android operating system is more stable and easier to operate than traditional PC systems. It can be installed and debugged without requiring specialized knowledge.
- Capturing System
The device software system uses an independently developed motion capture system with precise and sensitive motion capture. The adjustment process is simple and convenient, and debugging can be completed by a single person in just ten minutes.
- Built-in Programs
There are more than 60 interactive 3D programs developed by Unity, covering various content such as national style, popular amusement, cartoon animation, and educational puzzles. They can be perfectly applied in night tours of scenic areas, cultural tourism light shows, commercial plazas, and outdoor lighting.
- Seamless Splicing
It supports seamless splicing and integration of multiple devices, and can be easily installed and debugged through a remote control.

Product Size   Unit: mm
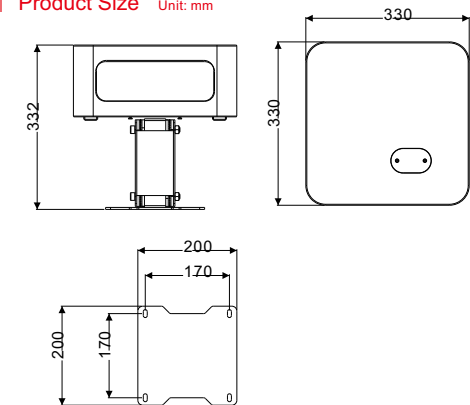
Physicals	
Housing	Aluminum
Installation	Bracket
Weight	5.2kg
IP Rated	IP65
Lifespan	>20000 hrs
Ambient Temperature	0°C~ +45°C
Ambient Humidity	10%~60%
Photometrics	
Light Source	Laser 3LCD*0.59
Brightness	3000 ANSI Lumen
Resolution Ratio	WXGA (1280*800)
Contrast Ratio	20000:1
Keystone Correction	V40%(M+A)
Throw Ratio	1.04:1
Speaker	5W*2
Motion Sensor	Infrared Camera
Interactive Program	60+

Electrics	
Voltage	AC110~240V
Control Protocol	Remote Operation/Remote Switch
Electrical Shock Protection	Class I
Power Cosumption	230W
Controller	
Main Controller	/
Sub Controller	/

Available Models

Product model	Working voltage	Power	Light source	Brightness	Control protocol	Interactive Program
PJ30	AC110~240V	230W	Laser	3000 lm	Remote	60+

Note 1: LED brand: CREE/OSRAM/LUMILEDS/ /Taiwan/Mainland   Note 2: The above optical parameter > 2700K; CREE/OSRAM/LUMILEDS.

Tree Light Series

EXC-BC155

Landscape Lighting Series-Tree Light

EXC-BC155 lighting tree lamp series is a high-strength aluminum alloy shell and high-power projection lamp specially designed for outdoor landscape lighting. It can be used for color brushing in specific lighting areas or landscapes, and can be used in ancient buildings, landscape gardens, etc.

BC155ARL/BC155ARH

BC155BRL/BC155BRH

Product Features

● A new generation of structural waterproof design
● High-strength aluminum lamp body with low thermal resistance path heat dissipation design
● High reliability modular design
● The adjustable angle is 0 ° ~ 15 °, and the glass surface is inclined by 5 °
● Outdoor lightning protection and electrostatic (ESD) special protection design
● Load safety design
● Projection height: 1-5m

Light Distribution Curve

Product Size Unit: mm

Ø155

165

BC155ARL/BC155ARH

Schematic Diagram of Installation Method

Base installation

Lamp
Lamp fixing screw
Install the mounting screws
Mounting seat
Mounting carrier

Bracket installation

Lamp
Mounting bracket
Fixing screw
Mounting carrier

Basic Specifications	
Color	W/RGB/RGBW
Light source	SMD R/G/B /W / RGBW 4in1 LED
Life	35,000h
Material	High-strength die-cast aluminum/tempered glass
Weight	2.33Kg
Working conditions	
Operating temperature	-40℃ ~ 50℃
Storage temperature	-40℃ ~ 70℃
Protection rating	IP66
Application environment	Outdoor

Electrical parameters	
Operating Voltage	DC24V/AC 220V
Maximum power	24W
Optical parameters	
Beam angle	15°,30°,60°,other angles are optional
Controller	
Main Controller	EXC-Y220series,EXC-Y880series,EXC-M520series, EXC-5200series,EXC-6000series,EXC-8000series, EXC-10000series......
Sub Controller	EXC-S880,EXC-2905......

Available Models

Product model	Working voltage	Power	Light source	Angle	Control protocol	Gray scale	Material	Energy efficiency value	LED brand
BC155ARH	AC220V	24W	9xW		ON/OFF	/	Aluminum + Glass	≥65 lm/w	Note 1
BC155ARL	DC24V	18W	9xW	6/8/10/15	ON/OFF	/	Aluminum + Glass	≥65 lm/w	Note 1
BC155ARL	DC24V	24W	9xW	/20/30/45/60	ON/OFF	/	Aluminum + Glass	≥65 lm/w	Note 1
BC155ARL	DC24V	18W	3R+3G+3B	/80°	DMX512	256/65536	Aluminum + Glass	≥25 lm/w	Note 1
BC155ARL	DC24V	24W	3R+3G+3B		DMX512	256/65536	Aluminum + Glass	≥25 lm/w	Note 1
BC155ARL	DC24V	18W	9xRGBW	20/30/45/60°	DMX512	256/65536	Aluminum + Glass	≥35 lm/w	Note 1

Note 1: LED brand: CREE/OSRAM/LUMILEDS/ /Taiwan/Mainland   Note 2: The above optical parameter > 2700K; CREE/OSRAM/LUMILEDS.

EXC-BC245

Landscape Lighting Series-Tree Light

EXC-BC245 lighting tree lamp series is a high-strength aluminum alloy shell and high-power projection lamp specially designed for outdoor landscape lighting. It can be used for color brushing in specific lighting areas or landscapes, and can be used in ancient buildings, landscape gardens, etc.
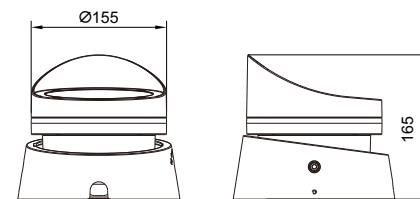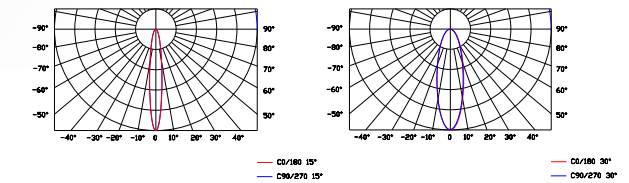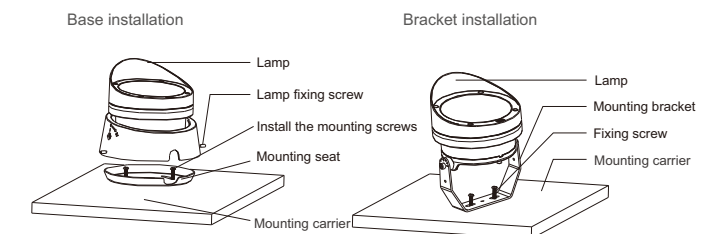
Product Features

● A new generation of structural waterproof design
● High-strength aluminum lamp body with low thermal resistance path heat dissipation design
● High reliability modular design
● The adjustable angle is 0 ° ~ 15 °, and the glass surface is inclined by 5 °
● Outdoor lightning protection and electrostatic (ESD) special protection design
● Load safety design
● Projection height: 5-10m

BC245ARL/BC245ARH

Light Distribution Curve

Product Size   Unit: mm

BC245BRL/BC245BRH

Ø245

228

BC245ARL/BC245ARH

Schematic Diagram of Installation Method

Base installation

Bracket installation

Lamp
Lamp fixing screw
Install the mounting screws
Mounting seat
Mounting carrier

Lamp
Mounting bracket
Fixing screw
Mounting carrier

Basic Specifications

Color	W/RGB/RGBW
Light source	SMD R/G/B /W / RGBW 4in1 LED
Life	35,000h
Material	High-strength die-cast aluminum/tempered glass
Weight	5.44Kg

Working conditions

Operating temperature	-40℃ ~ 50℃
Storage temperature	-40℃ ~ 70℃
Protection rating	IP66
Application environment	Outdoor

Electrical parameters

Operating Voltage	AC 220V
Maximum power	60W

Optical parameters

Beam angle	15°,30°,60°,other angles are optional

Controller

Main Controller	EXC-Y220series,EXC-Y880series,EXC-M520series, EXC-5200series,EXC-6000series,EXC-8000series, EXC-10000series......
Sub Controller	EXC-S880,EXC-2905......

Available Models

Product model	Working voltage	Power	Light source	Angle	Control protocol	Gray scale	Material	Energy efficiency value	LED brand
BC245BRH	AC220V	50W	24xW	6/8/10/15 /20/30/45/60 /80°	ON/OFF	/	Aluminum + Glass	≥65 lm/w	Note 1
BC245ARH	AC220V	50W	24xW		ON/OFF	/	Aluminum + Glass	≥65 lm/w	Note 1
BC245ARH	AC220V	60W	24xW		ON/OFF	/	Aluminum + Glass	≥65 lm/w	Note 1
BC245ARH	AC220V	50W	8R+8G+8B		DMX512	256/65536	Aluminum + Glass	≥25 lm/w	Note 1
BC245ARH	AC220V	60W	8R+8G+8B		DMX512	256/65536	Aluminum + Glass	≥25 lm/w	Note 1
BC245ARH	AC220V	48W	24xRGBW	20/30/45/60°	DMX512	256/65536	Aluminum + Glass	≥35 lm/w	Note 1

Note 1: LED brand: CREE/OSRAM/LUMILEDS/ /Taiwan/Mainland   Note 2: The above optical parameter > 2700K; CREE/OSRAM/LUMILEDS.

EXC-BC265

Landscape Lighting Series-Tree Light

EXC-BC265 lighting tree lamp series is a high-strength aluminum alloy shell and high-power projection lamp specially designed for outdoor landscape lighting. It can be used for color brushing in specific lighting areas or landscapes, and can be used in ancient buildings, landscape gardens, etc.
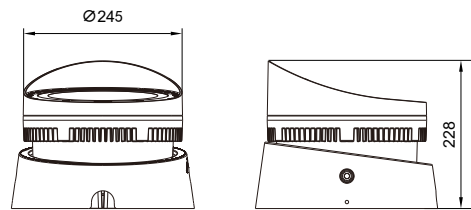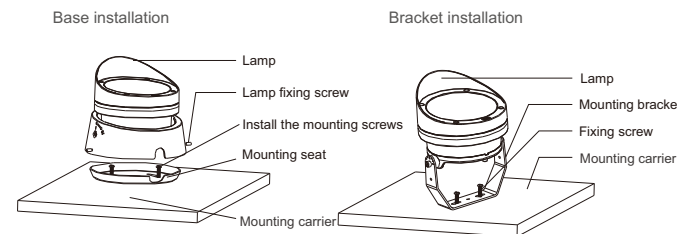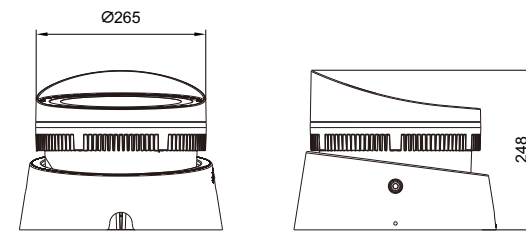
Product Features

● A new generation of structural waterproof design
● High-strength aluminum lamp body with low thermal resistance path heat dissipation design
● High reliability modular design
● The adjustable angle is 0 ° ~ 15 °, and the glass surface is inclined by 5 °
● Outdoor lightning protection and electrostatic (ESD) special protection design
● Load safety design
● Projection height: 10-15m

BC265ARL/BC265ARH

Light Distribution Curve

Product Size   Unit: mm

BC265BRL/BC265BRH

Ø265

248

BC265ARL/BC265ARH

Schematic Diagram of Installation Method

Base installation

Bracket installation

Lamp
Lamp fixing screw
Install the mounting screws
Mounting seat
Mounting carrier

Lamp
Mounting bracket
Fixing screw
Mounting carrier
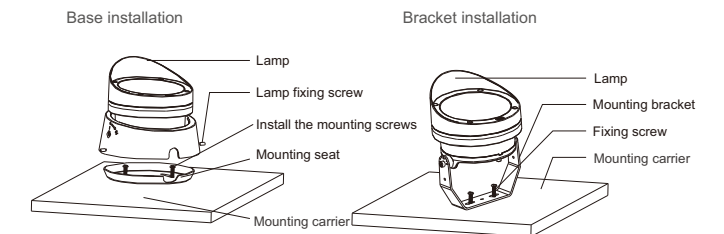
Basic Specifications

Color	W/RGB/RGBW
Light source	SMD R/G/B /W / RGBW 4in1 LED
Life	35,000h
Material	High-strength die-cast aluminum/tempered glass
Weight	6.64Kg

Working conditions

Operating temperature	-40℃ ~ 50℃
Storage temperature	-40℃ ~ 70℃
Protection rating	IP66
Application environment	Outdoor

Electrical parameters

Operating Voltage	AC 220V
Maximum power	72W

Optical parameters

Beam angle	15°,30°,60°,other angles are optional

Controller

Main Controller	EXC-Y220series,EXC-Y880series,EXC-M520series, EXC-5200series,EXC-6000series,EXC-8000series, EXC-10000series......
Sub Controller	EXC-S880,EXC-2905......

Available Models

Product model	Working voltage	Power	Light source	Angle	Control protocol	Gray scale	Material	Energy efficiency value	LED brand
BC265ARH	AC220V	72W	36xW	6/8/10/15/20 /30/45/60/80°	ON/OFF	/	Aluminum + Glass	≥65 lm/w	Note 1
BC265ARH	AC220V	72W	12R+12G+12B		DMX512	256/65536	Aluminum + Glass	≥25 lm/w	Note 1
BC265ARH	AC220V	72W	36xRGBW	20/30/45/60°	DMX512	256/65536	Aluminum + Glass	≥35 lm/w	Note 1
BC265BRH	AC220V	72W	36xW	6/8/10/15/20 /30/45/60/80°	ON/OFF	/	Aluminum + Glass	≥65 lm/w	Note 1
BC265BRH	AC220V	72W	12R+12G+12B		DMX512	256/65536	Aluminum + Glass	≥25 lm/w	Note 1
BC265BRH	AC220V	72W	36xRGBW	20/30/45/60°	DMX512	256/65536	Aluminum + Glass	≥35 lm/w	Note 1

Note 1: LED brand: CREE/OSRAM/LUMILEDS/ /Taiwan/Mainland   Note 2: The above optical parameter > 2700K; CREE/OSRAM/LUMILEDS.

EXC-ZS240/325

Landscape Lighting Series-Tree Light

EXC-ZS240/325 Light tree lamp are high power outdoor landscape flood lighting fixture with high strength aluminum alloy housing by EXC-LED. Each lighting fixture can be used for accent lighting or flood lighting, such as ancient buildings,landscape garden,etc.

EXC-ZS240

EXC-ZS325

Product Features

● The newest generation technology: DMX512 parallel bus design
● A new generation of structural waterproof design
● High-strength aluminum lamp body with low thermal resistance path heat dissipation design
● Outdoor lightning protection and electrostatic (ESD) special protection design
● Load safety design
● Integrated ID design, more harmonious application
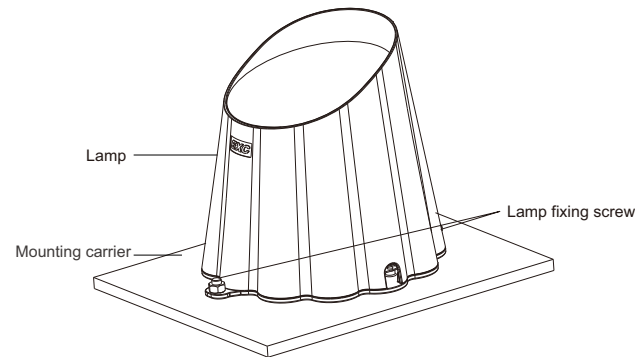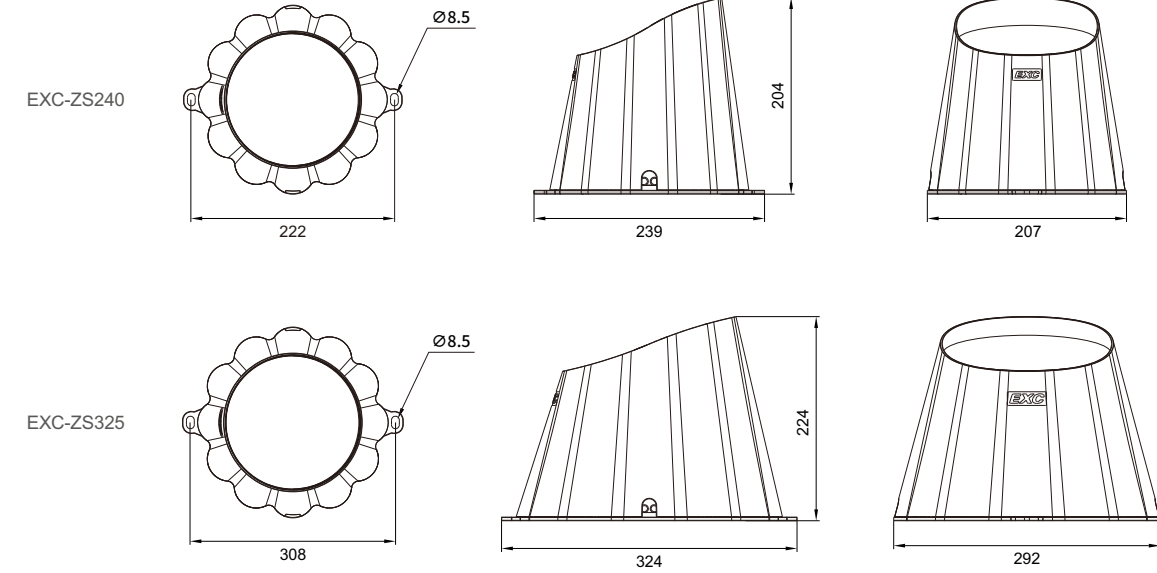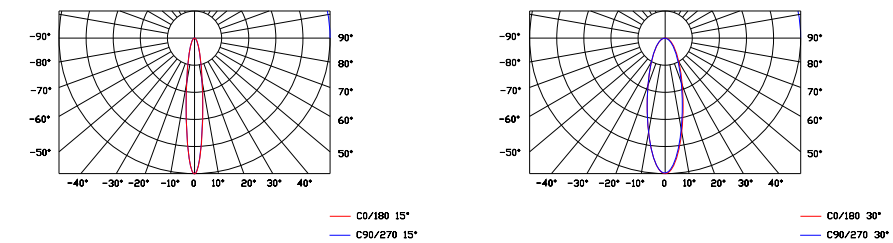● Beam angle 6 ° ~ 80 ° multiple adaptation options

Light Distribution Curve

Basic Specifications	
Color	W/RGB/RGBW
Light source	SMD R/G/B/W LED
Life	35,000h
Material	High-strength die-cast aluminum/ tempered glass
Weight	ZS240:3.41Kg ZS325:4.95Kg

Working conditions	
Operating temperature	-40℃ ~ 50℃
Storage temperature	-40℃ ~ 70℃
Protection rating	IP66
Application environment	Outdoor

Electrical parameters	
Operating Voltage	DC 24V/AC 220V/DC48V(ZS325)
Maximum power	ZS240:54W ZS325:108W

Optical parameters	
Beam angle	6°,15°,30°,45°,other angles are optional

Controller	
Main Controller	EXC-Y220series,EXC-Y880series,EXC-M520series, EXC-5200series,EXC-6000series,EXC-8000series, EXC-10000series......
Sub Controller	EXC-S880,EXC-2905......

Lamp

Mounting carrier

Lamp fixing screw

Product Size   Unit: mm

EXC-ZS240

Ø8.5

222

204

239

207

EXC-ZS325

Ø8.5

308

224

324

292

Light Distribution Curve

C0/180 15°
C90/270 15°

C0/180 30°
C90/270 30°

Available Models

Product model	Working voltage	Power	Light source	Angle	Control protocol	Gray scale	Material	Energy efficiency value	LED brand
ZS240BBL	DC24V	36W	12xW	6°,8°,10°,15°,20° ,30°,45°,60°,80°	ON/OFF	/	Aluminum + Glass	≥60 lm/w	Note 1
ZS240BBL	DC24V	36W	4xR+4xG+4xB		DMX512	65536	Aluminum + Glass	≥30 lm/w	Note 1
ZS240BBL	DC24V	36W	3xR+3xG+3xB+3xW		DMX512	65536	Aluminum + Glass	≥40 lm/w	Note 1
ZS240BBL	DC24V	54W	18xW		ON/OFF	/	Aluminum + Glass	≥60 lm/w	Note 1
ZS240BBL	DC24V	54W	6xR+6xG+6xB		DMX512	65536	Aluminum + Glass	≥30 lm/w	Note 1
ZS240BBL	DC24V	48W	4xR+4xG+4xB+4xW		DMX512	65536	Aluminum + Glass	≥40 lm/w	Note 1
ZS240BBH	AC220V	36W	12xW		ON/OFF	/	Aluminum + Glass	≥60 lm/w	Note 1
ZS240BBH	AC220V	36W	4xR+4xG+4xB		DMX512	65536	Aluminum + Glass	≥30 lm/w	Note 1
ZS240BBH	AC220V	36W	3xR+3xG+3xB+3xW		DMX512	65536	Aluminum + Glass	≥40 lm/w	Note 1
ZS240BBH	AC220V	54W	18xW		ON/OFF	/	Aluminum + Glass	≥60 lm/w	Note 1
ZS240BBH	AC220V	54W	6xR+6xG+6xB		DMX512	65536	Aluminum + Glass	≥30 lm/w	Note 1
ZS240BBH	AC220V	48W	4xR+4xG+4xB+4xW		DMX512	65536	Aluminum + Glass	≥40 lm/w	Note 1
ZS325BBL	DC48V/24V	72W	24xW	6°,8°,10°,15°,20° ,30°,45°,60°,80°	ON/OFF	/	Aluminum + Glass	≥60 lm/w	Note 1
ZS325BBL	DC48V/24V	72W/60W	8xR+8xG+8xB		DMX512	65536	Aluminum + Glass	≥30 lm/w	Note 1
ZS325BBL	DC48V/24V	72W	6xR+6xG+6xB+6xW		DMX512	65536	Aluminum + Glass	≥40 lm/w	Note 1
ZS325BBH	AC220V	72W	24xW		ON/OFF	/	Aluminum + Glass	≥60 lm/w	Note 1
ZS325BBH	AC220V	72W	8xR+8xG+8xB		DMX512	65536	Aluminum + Glass	≥30 lm/w	Note 1
ZS325BBH	AC220V	72W	6xR+6xG+6xB+6xW		DMX512	65536	Aluminum + Glass	≥40 lm/w	Note 1
ZS325BBH	AC220V	108W	36xW		ON/OFF	/	Aluminum + Glass	≥60 lm/w	Note 1
ZS325BBH	AC220V	108W	12xR+12xG+12xB		DMX512	65536	Aluminum + Glass	≥30 lm/w	Note 1
ZS325BBH	AC220V	108W	9xR+9xG+9xB+9xW		DMX512	65536	Aluminum + Glass	≥40 lm/w	Note 1

Note 1: LED brand: CREE/OSRAM/LUMILEDS/ /Taiwan/Mainland   Note 2: The above optical parameter > 2700K; CREE/OSRAM/LUMILEDS.

Window Light Series

EXC-T60A
Landscape Lighting Series-Window Light

EXC-T60ABL window lamp series are are high power outdoor landscape LED wall washer with high strength aluminum alloy housing by EXC-LED. With Unique appearance design, mainly used for Special area lighting light window, lighting up the whole window, to create special lighting effect.

Product Features

- The newest generation technology: DMX512 parallel bus design
- Three optical design, strong sense of beam
- Ultra-narrow strip window light spot
- Low thermal resistance path heat dissipation design
- Outdoor lightning protection and electrostatic (ESD) special protection design

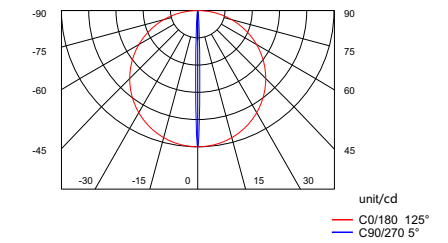### Product Size   Unit: mm

299
60
117
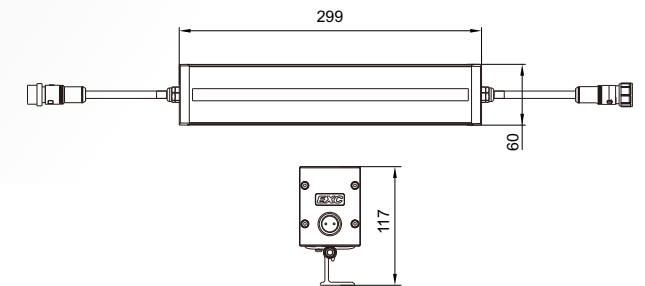
Schematic Diagram of Installation Method

Use M6 expansion screws and fix the mounting base to the required position as shown in the figure. The specific spacing shall be in accordance with the length requirements of the light. Mounting seat fixing screws.
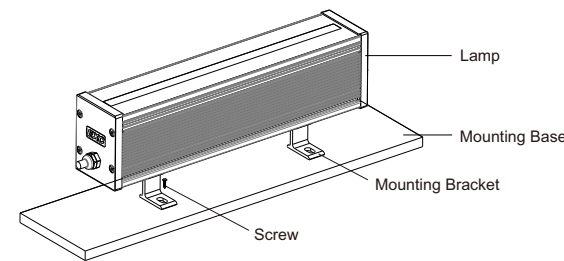
Lamp
Mounting Base
Mounting Bracket
Screw

Light Distribution Curve

unit/cd
— C0/180 125°
— C90/270 5°

Basic Specifications	
Color	W
Light source	SMD W LED
Life	35,000h
Material	High-strength aluminum alloy/Tempered glass
Weight	1.21Kg
Working conditions	
Operating temperature	-40℃ ~ 50℃
Storage temperature	-40℃ ~ 70℃
Protection rating	IP66
Application environment	Outdoor

Electrical parameters	
Operating Voltage	DC24V
Maximum power	18W
Optical parameters	
Beam angle	5*125°
Controller	
Main Controller	EXC-Y220series,EXC-Y880series,EXC-M520series, EXC-5200series,EXC-6000series,EXC-8000series, EXC-10000series......
Sub Controller	EXC-S880,EXC-2905......

Available Models

Product model	Working voltage	Power	Light source	Angle	Control protocol	Gray scale	Material	Energy efficiency value	LED brand
T60ABL	DC24V	18W	4xW	5*125°	DMX512	256/65536	Aluminum + Glass	≥20 lm/w	Note 1

Note 1: LED brand: CREE/OSRAM/LUMILEDS/ /Taiwan/Mainland   Note 2: The above optical parameter > 2700K; CREE/OSRAM/LUMILEDS.

EXC-T110A

Landscape Lighting Series-Window Light

EXC-T110ABL Snail Window Wall washer light are a single color LED light with extruded aluminum alloy housing, which are designed for window lighting by EXC-T110ABLLED. With Unique appearance design, mainly used for Special area lighting light window．lighting up the whole window, to create special lighting effect.

Product Features
● Bionic design, vivid and interesting

£ It has a variety of dynamic models, including the creeping mode of window corners, the straight-line mode in windows and the climbing mode of window corners, to create a lively and happy scene

● The arched shape can well shield the dazzling light
● Ultra-narrow strip optical effect, uniform spot
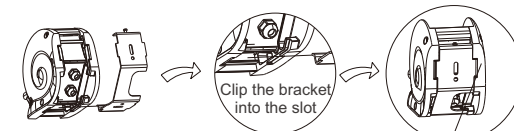
Schematic Diagram of Installation Method

1.Loosen the mounting screws

Mounting screws

2.Take out the mounting bracket; As the picture
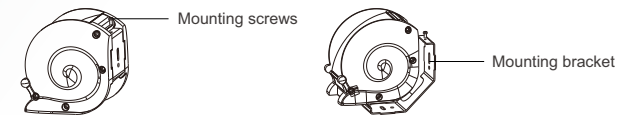
Mounting bracket

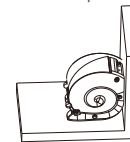3.Screw the M4 screws into the wall to fix the mounting bracket, as the picture.
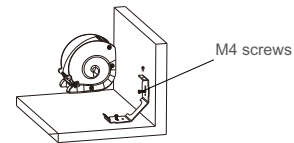
M4 screws

4.Push the bracket forward and clamp the bracket into the card slot, as the picture

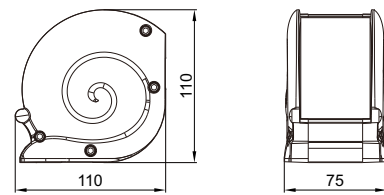Clip the bracket into the slot

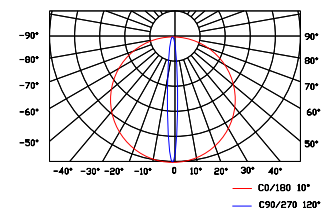The bracket is flush with the card slot, indicating that the installation is completed.

5.Tighten the mounting screws as the picture

Product Size   Unit: mm

110
110
75

Light Distribution Curve

—— C0/180 180°
—— C90/270 120°

Basic Specifications
Color	W
Light source	SMD W LED
Life	35,000h
Material	High-strength aluminum alloy/Tempered glass
Weight	0.88Kg

Working conditions
Operating temperature	-40℃ ~ 50℃
Storage temperature	-40℃ ~ 70℃
Protection rating	IP66
Application environment	Outdoor

Electrical parameters
Operating Voltage	DC24V
Maximum power	6W

Optical parameters
Beam angle	10*120°

Controller
Main Controller	-
Sub Controller	-

Available Models

Product model	Working voltage	Power	Light source	Angle	Control protocol	Gray scale	Material	Energy efficiency value	LED brand
T110ABL	DC24V	6W	2xW	10*120°	ON/OFF	/	Aluminum + Glass	≥30 lm/w	Note 1

Note 1: LED brand: CREE/OSRAM/LUMILEDS/ /Taiwan/Mainland   Note 2: The above optical parameter > 2700K; CREE/OSRAM/LUMILEDS.

Crouching mode in window corner

Straight mode in window

Climbing mode in window corner
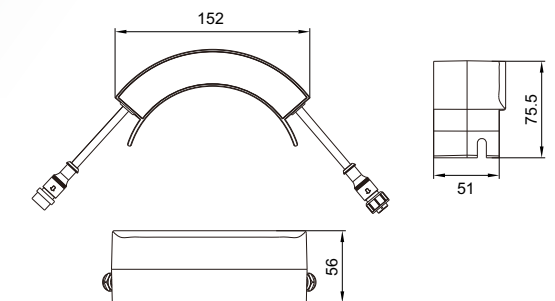
Corrugated Light Series

EXC-WL
Landscape Lighting Series-Corrugated Light

EXC-WL two-way corrugated lighting series products are professional lamps designed by EXC-LED for the ancient buildings. Two sides are illuminated, one side is large to wash and brighten the tile surface, and the other side is used as a full-color lamp to outline the outline of the eaves, and the full-color part Each pixel can achieve 256-level grayscale changes; it is very suitable lighting for ancient buildings, the outline of the ditch, the installation is simple and reliable
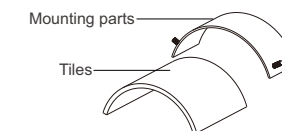
Product Features

● High-strength aluminum lamp body with low thermal resistance path heat dissipation design
● High thermal conductivity transformer grade imported glue, fully potted and waterproof design
● Outdoor lightning protection and electrostatic (ESD) special protection design
● Display-level weather resistance, low voltage constant current design
● Projection height: 1-3 meters
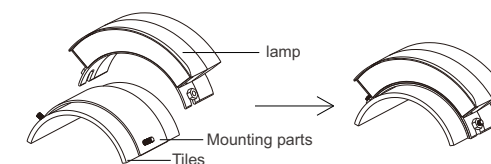
Product Size   Unit: mm

152
75.5
51
56

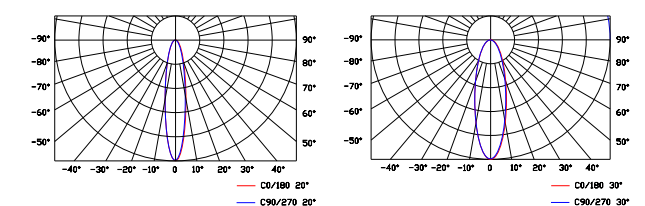### Schematic Diagram of Installation Method

1.First use structural glue to glue the mounting parts on the tiles

Mounting parts
Tiles

2.After the mounting parts are glued and hardened, fix the lamp on the mounting part with a nut, as shown in the figure.

lamp
Mounting parts
Tiles

Light Distribution Curve

C0/180 20°
C90/270 20°

C0/180 30°
C90/270 30°

Basic Specifications	
Color	W
Light source	SMD W LED
Life	35,000h
Material	High-strength aluminum alloy/Tempered glass
Weight	0.54Kg
Working conditions	
Operating temperature	-40°C ~ 50°C
Storage temperature	-40°C ~ 70°C
Protection rating	IP66
Application environment	Outdoor

Electrical parameters	
Operating Voltage	DC24V
Maximum power	7.5W
Optical parameters	
Beam angle	20°,30°,other angles are optional
Controller	
Main Controller	-
Sub Controller	-

Available Models

Product model	Working voltage	Power	Light source	Angle	Control protocol	Gray scale	Material	Energy efficiency value	LED brand
WL	DC24V	5W	5xW	15/20/30/45/60/80	ON/OFF	/	Aluminum + Glass	≥60 lm/w	Note 1
WL	DC24V	7.5W	5xW+10xW		ON/OFF	/	Aluminum + Glass	≥60 lm/w	Note 1

Note 1: LED brand: CREE/OSRAM/LUMILEDS/ /Taiwan/Mainland   Note 2: The above optical parameter > 2700K; CREE/OSRAM/LUMILEDS.

EXC-WL35C

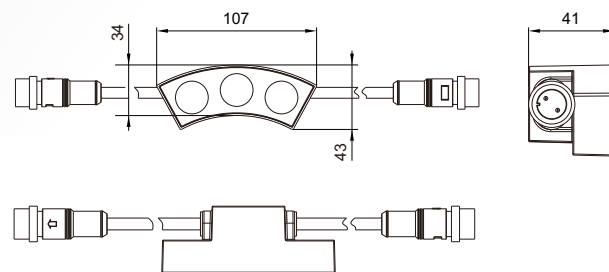Landscape Lighting Series-Corrugated Light

EXC-WL35CBL series products are professional lamps designed by EXC-LED for the ancient buildings. Each pixel of the full-color part can achieve 256-level grayscale changes; it is very suitable lighting for ancient buildings. The contour is on the side of the ditch, and the installation is simple and reliable.
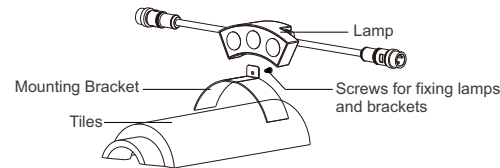
Product Features

● High-strength aluminum lamp body with low thermal resistance path heat dissipation design
● High thermal conductivity transformer grade imported glue, fully potted and waterproof design
● Outdoor lightning protection and electrostatic (ESD) special protection design
● Display-level weather resistance, low voltage constant current design
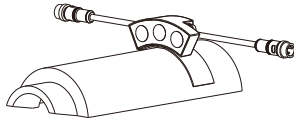
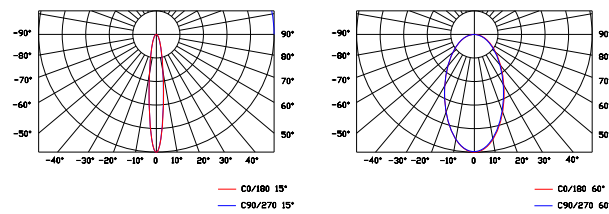## Product Size   Unit: mm

Schematic Diagram of Installation Method

1.First use structural glue to glue the mounting parts on the tiles.

Lamp
Mounting Bracket
Screws for fixing lamps and brackets
Tiles

2.After the mounting parts are glued and hardened, fix the lamp on the mounting part with a nut, as shown in the figure.

Light Distribution Curve

Basic Specifications

Basic Specifications	
Color	W
Light source	SMD W LED
Life	35,000h
Material	High-strength aluminum alloy/tempered glass
Weight	0.54Kg
Working conditions	
Operating temperature	-40°C ~ 50°C
Storage temperature	-40°C ~ 70°C
Protection rating	IP66
Application environment	Outdoor

Electrical parameters

Electrical parameters	
Operating Voltage	DC24V
Maximum power	5W
Optical parameters	
Beam angle	10°,15°,60°,other angles are optional
Controller	
Main Controller	EXC-Y220series,EXC-Y880series,EXC-M520series, EXC-5200series,EXC-6000series,EXC-8000series, EXC-10000series......
Sub Controller	EXC-S880,EXC-2905......

Available Models

Product model	Working voltage	Power	Light source	Angle	Control protocol	Gray scale	Material	Energy efficiency value	LED brand
WL35CBL	DC24V	5W	3xW	6/8/10/15/20/30 /45/60/80	ON/OFF	/	Aluminum	180LM	Note 1
WL35CBL	DC24V	5W	3xW		DMX512	256	Aluminum	180LM	Note 1
WL35CBL	DC24V	5W	3xW		ON/OFF	/	Aluminum	240LM	Note 1
WL35CBL	DC24V	5W	3xW		DMX512	256	Aluminum	240LM	Note 1

Note 1: LED brand: CREE/OSRAM/LUMILEDS/ /Taiwan/Mainland   Note 2: The above optical parameter > 2700K; CREE/OSRAM/LUMILEDS.

EXC-WL97D

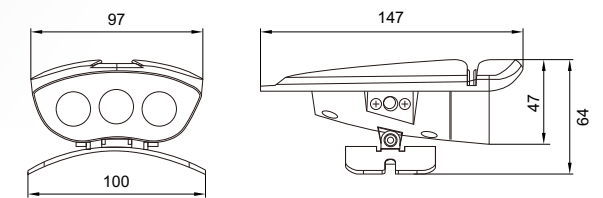Landscape Lighting Series-Corrugated Light

EXC-WL97DRL series products are a high-strength aluminum alloy shell specially designed for outdoor landscape lighting by EXC-LED, which can be used in specific lighting areas or landscape coloring, and applied to landscape gardens, etc.
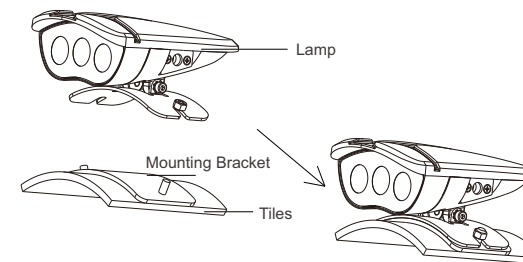

Product Features

● High-strength aluminum lamp body with low thermal resistance path heat dissipation design
● Shape bionic design, ingenious combination of form and function
● Outdoor lightning protection and electrostatic (ESD) special protection design
● A variety of mounting brackets to adapt to different environments
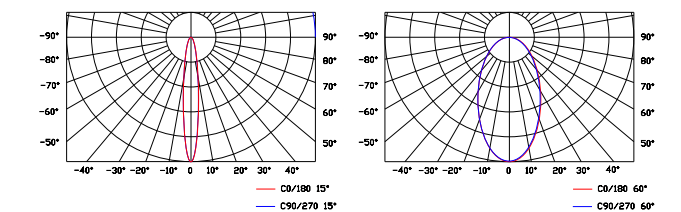
Product Size   Unit: mm

Schematic Diagram of Installation Method

After the mounting part is firmly bonded, fix the lamp on the mounting part with a nut, as shown in the figure

Lamp
Mounting Bracket
Tiles

Light Distribution Curve

Basic Specifications

Basic Specifications	
Color	W/RGB/RGBW
Light source	SMD W/RGB 3in1/RGBW 4in1 LED
Life	35,000h
Material	High-strength aluminum alloy/tempered glass
Weight	0.54Kg
Working conditions	
Operating temperature	-40°C ~ 50°C
Storage temperature	-40°C ~ 70°C
Protection rating	IP66
Application environment	Outdoor

Electrical parameters

Electrical parameters	
Operating Voltage	DC24V
Maximum power	9W
Optical parameters	
Beam angle	10°,15°,60°,other angles are optional
Controller	
Main Controller	EXC-Y220series,EXC-Y880series,EXC-M520series, EXC-5200series,EXC-6000series,EXC-8000series, EXC-10000series......
Sub Controller	EXC-S880,EXC-2905......

Available Models

Product model	Working voltage	Power	Light source	Angle	Control protocol	Gray scale	Material	Energy efficiency value	LED brand
WL97DRL	DC24V	9W	3xW	6/8/10/15/20/ 30/45/60/80°	ON/OFF	/	Aluminum	400LM	Note 1
WL97DRL	DC24V	9W	3xW		DMX512	65536	Aluminum	400LM	Note 1
WL97DRL	DC24V	9W	3xRGB 3in1/RGBW 4in1	20/30/45/60/80°	DMX512	65536	Aluminum	200LM	Note 1
WL97DRL	DC24V	6W	3xRGBW		DMX512	65536	Aluminum	300LM	Note 1

Note 1: LED brand: CREE/OSRAM/LUMILEDS/ /Taiwan/Mainland   Note 2: The above optical parameter > 2700K; CREE/OSRAM/LUMILEDS.
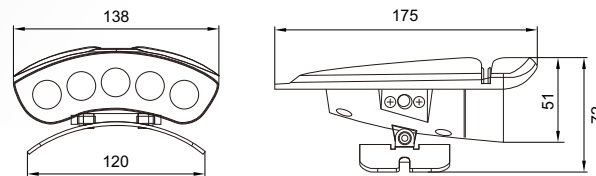
EXC-WL138D

EXC-WL138DRL series products are a high-strength aluminum alloy shell specially designed for outdoor landscape lighting by EXC-LED, which can be used in specific lighting areas or landscape coloring, and applied to landscape gardens, etc.
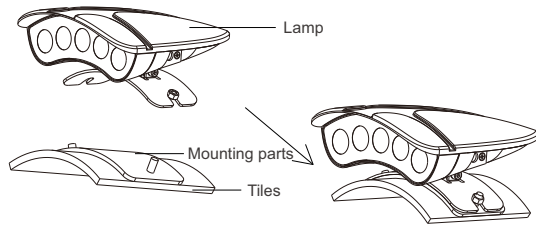
Product Features

● High-strength aluminum lamp body with low thermal resistance path heat dissipation design
● Shape bionic design, ingenious combination of form and function
● Outdoor lightning protection and electrostatic (ESD) special protection design
● A variety of mounting brackets to adapt to different environments

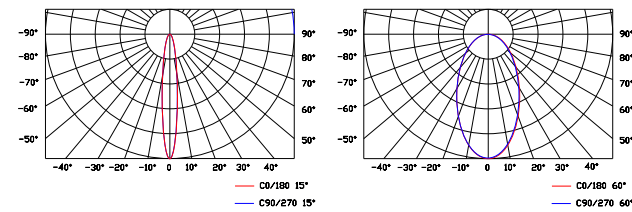## Product Size   Unit: mm

138   175
120   51 72

Schematic Diagram of Installation Method

After the mounting part is firmly bonded, fix the lamp on the mounting part with a nut, as shown in the figure

Lamp
Mounting parts
Tiles

Light Distribution Curve

—— C0/180 15°
—— C90/270 15°

—— C0/180 60°
—— C90/270 60°

Basic Specifications	
Color	W/RGB/RGBW
Light source	SMD W/RGB 3in1 /RGBW 4in1 LED
Life	35,000h
Material	High-strength aluminum alloy/tempered glass
Weight	0.71Kg
Working conditions	
Operating temperature	-40℃ ~ 50℃
Storage temperature	-40℃ ~ 70℃
Protection rating	IP66
Application environment	Outdoor

Electrical parameters	
Operating Voltage	DC24V
Maximum power	15W
Optical parameters	
Beam angle	10°,15°,60°,other angles are optional
Controller	
Main Controller	EXC-Y220series,EXC-Y880series,EXC-M520series, EXC-5200series,EXC-6000series,EXC-8000series, EXC-10000series......
Sub Controller	EXC-S880,EXC-2905......

Available Models

Product model	Working voltage	Power	Light source	Angle	Control protocol	Gray scale	Material	Energy efficiency value	LED brand
WL138DRL	DC24V	12W	4xW	6/8/10/15/20/ 30/45/60/80°	ON/OFF	/	Aluminum	640LM	Note 1
WL138DRL	DC24V	15W	5xW		ON/OFF	/	Aluminum	760LM	Note 1
WL138DRL	DC24V	12W	4xW		DMX512	65536	Aluminum	640LM	Note 1
WL138DRL	DC24V	15W	5xW		DMX512	65536	Aluminum	760LM	Note 1
WL138DRL	DC24V	15W	5xRGB 3in1/RGBW 4in1	20/30/45/60/80°	DMX512	65536	Aluminum	280LM	Note 1
WL138DRL	DC24V	10W	5xRGBW		DMX512	65536	Aluminum	400LM	Note 1

Note 1: LED brand: CREE/OSRAM/LUMILEDS/ /Taiwan/Mainland   Note 2: The above optical parameter > 2700K; CREE/OSRAM/LUMILEDS.

Step light Series

EXC-BD135A

Landscape Lighting Series-Step light A series

EXC-BD135 product is an LED walkway lamp specially designed for outdoor landscape lighting. It can be used for color brushing in specific lighting areas or landscapes. It can be applied to various walkway scenes. A variety of beam angle projection and washing effects are optional.
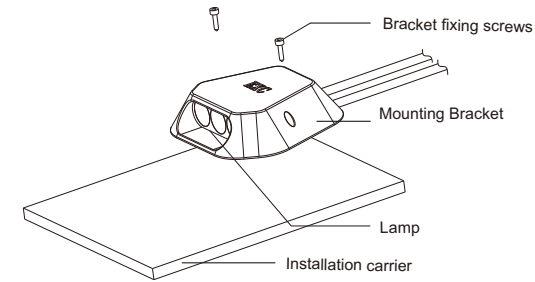
Product Features

- New Generation DMX512 Parallel Bus Technology Design
- Support DC48V long-distance power supply technology
- Simple and compact, easy to install
- Low thermal resistance path heat dissipation design
- Special protection design for outdoor lightning protection and static electricity (ESD)
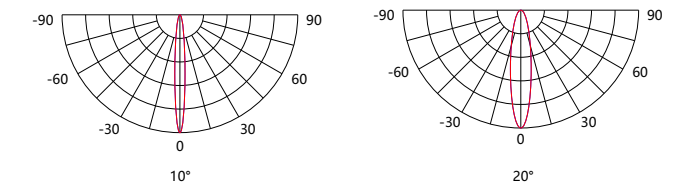
Product Size   Unit: mm
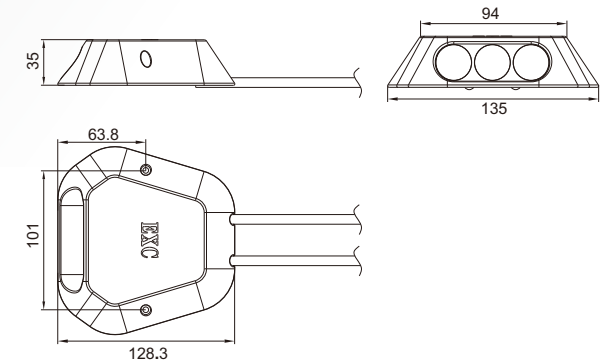
Schematic Diagram of Installation Method

Place the lamp in the preset position of the mounting carrier and tighten the fixing screws.

Bracket fixing screws
Mounting Bracket
Lamp
Installation carrier

Light Distribution Curve

10°

20°

Basic Specifications	
Color	W/RGB/RGBW
Light source	SMD W/RGB 3in1/RGBW 4in1 LED
Life	35,000h
Material	High-strength aluminum alloy/tempered glass
Weight	0.65Kg
Working conditions	
Operating temperature	-40°C ~ 50°C
Storage temperature	-40°C ~ 70°C
Protection rating	IP66
Application environment	Outdoor

Electrical parameters	
Operating Voltage	DC24V/48V
Maximum power	6W
Optical parameters	
Beam angle	10°,20°,other angles are optional
Controller	
Main Controller	EXC-Y220series,EXC-Y880series,EXC-M520series, EXC-5200series,EXC-6000series,EXC-8000series, EXC-10000series......
Sub Controller	EXC-S880,EXC-2905......

Available Models

Product model	Working voltage	Power	Light source	Angle	Control protocol	Gray scale	Material	Energy efficiency value	LED brand
BD135ABL	DC 48V/DC 24V	6W	3xW	10°,20°,Other angles	ON/OFF	/	Aluminum + Glass	≥70 lm/w	Note 1
BD135ABL	DC 48V/DC 24V	4.5W	3xRGB	10°,20°,Other angles	DMX512	256/65536	Aluminum + Glass	≥30 lm/w	Note 1
BD135ABL	DC 48V/DC 24V	6W	3xRGBW	10°,20°,Other angles	DMX512	256/65536	Aluminum + Glass	≥40 lm/w	Note 1

Note 1: LED brand: CREE/OSRAM/LUMILEDS/ /Taiwan/Mainland   Note 2: The above optical parameter > 2700K; CREE/OSRAM/LUMILEDS.

EXC-BD55T

The EXC-BD55 product is a high-intensity aluminum alloy exterior LED step light specially designed for outdoor lighting. It can be used in specific lighting areas and is equipped with a human body sensor module. It is suitable for various cultural and tourism lighting and scene lighting.

Product Features

● Professional comb-shaped convection heat dissipation design
● Human body induction technology, support induction control
● Embedded installation, reasonable design and convenient low thermal resistance path heat dissipation design
● Special protection design for outdoor lightning protection and static electricity (ESD)

Schematic Diagram of Installation Method

Step 1: Make a hole on the mounting surface and insert the embedded screw
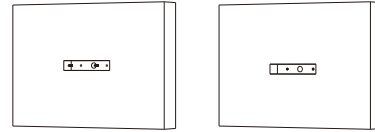
Step 2: Put the embedded part of the lamp installation into the pre-opened installation hole and fix it with two screws
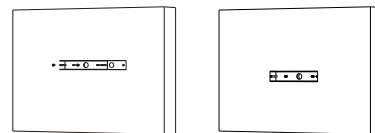
Step 3: After connecting the electrical connection line, install the lamp into the embedded part, and fix the installation with two screws
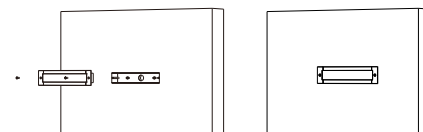
Product Size   Unit: mm
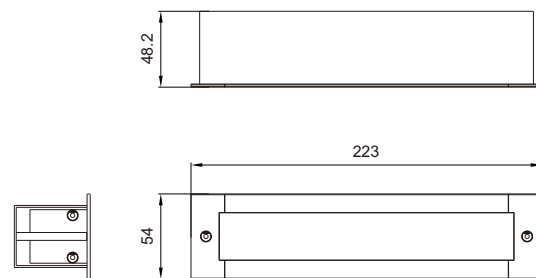
48.2

223

54

Basic Specifications	
Color	W
Light source	SMD W LED
Life	35,000h
Material	High-strength aluminum alloy/PC
Weight	0.55Kg
Working conditions	
Operating temperature	-40℃ ~ 50℃
Storage temperature	-40℃ ~ 70℃
Protection rating	IP66
Application environment	Outdoor

Electrical parameters	
Operating Voltage	AC220V
Maximum power	9W
Optical parameters	
Beam angle	≥100°
Controller	
Main Controller	-
Sub Controller	-

Available Models

Product model	Working voltage	Power	Light source	Luminous flux	Angle	Effect	Effect amount	Control protocol	Channels
BD55TBH	AC220V	9W	36xW	≥100°	ON/OFF	/	Aluminum + PC	≥80 lm/w	Note 1

Note 1: LED brand: CREE/OSRAM/LUMILEDS/ /Taiwan/Mainland   Note 2: The above optical parameter > 2700K; CREE/OSRAM/LUMILEDS.

EXC-BD110S

EXC-BD110S is a step walkway light designed by EXC-LED for outdoor landscape lighting. It has a triangular fitting structure specially designed for steps and supports two-way installation. It can be used for the washing of steps and walks in cultural tourism landscape lighting. Brightening application.
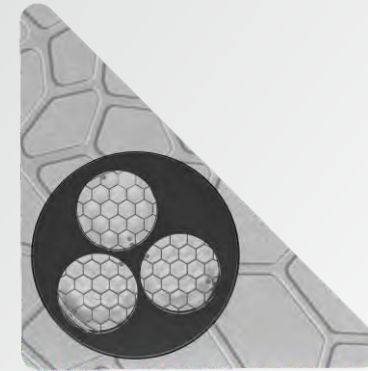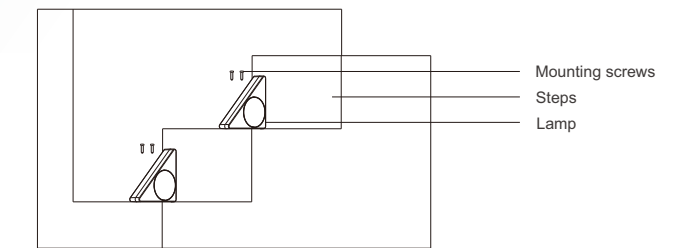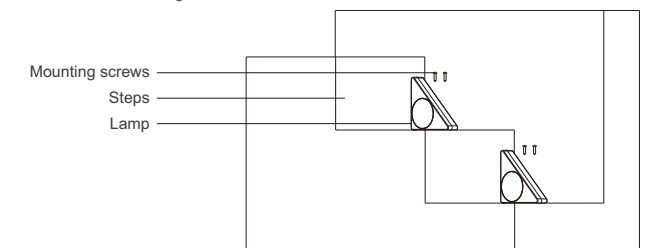
Product Features

● Special triangular fitting design for steps, compatible with two-way installation of single lamp
● Building surface texture, strong sense of integration
● Built-in honeycomb anti-glare design
● Maximum power 6W, single outlet design·
● 6°~80°A variety of beam angles are available
● High-quality assembly design, protection ≥IP66

Schematic Diagram of Installation Method

Step 1: The figure shows the installation of steps with a slope of 30° and a height of 145mm. Choose a suitable right-angle side to place the lamp, and then use 2 M4 screws to fix the lamp to a suitable position on the left side of the step as shown in the figure.
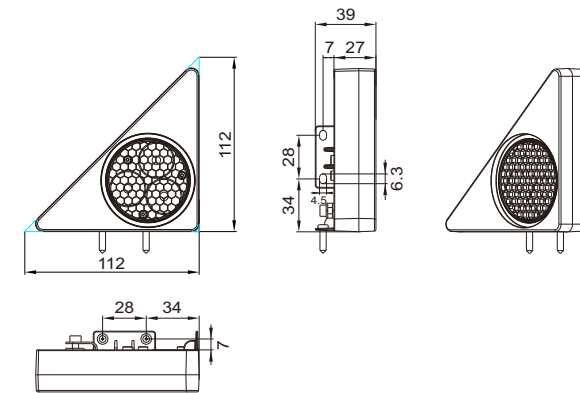
Mounting screws
Steps
Lamp

Step 1: The figure shows the installation of steps with a slope of 30° and a height of 145mm. Choose a suitable right-angle side to place the lamp, and then use 2 M4 screws to fix the lamp to a suitable position on the left side of the step as shown in the figure.

Mounting screws
Steps
Lamp

Product Size   Unit: mm

39
7 27
112
28
34
6.3
112
28 34
7

Basic Specifications	
Color	W
Light source	SMD W LED
Life	35,000h
Material	High-strength aluminum alloy/tempered glass
Weight	0.25Kg
Working conditions	
Operating temperature	-40℃ ~ 50℃
Storage temperature	-40℃ ~ 70℃
Protection rating	IP66
Application environment	Outdoor

Electrical parameters	
Operating Voltage	DC24V
Maximum power	6W
Optical parameters	
Beam angle	6°,8°,10°,other angles are optional
Controller	
Main Controller	-
Sub Controller	-

Available Models

Product model	Working voltage	Power	Light source	Angle	Control protocol	Gray scale	Material	Energy efficiency value	LED brand
BD110SBL	DC24V	6W	3xW	6°/8°/10°/15°/20°/30° 45°/60°/80°	ON/OFF	/	Aluminum + Glass	≥70 lm/w	Note 1

Note 1: LED brand: CREE/OSRAM/LUMILEDS/ /Taiwan/Mainland   Note 2: The above optical parameter > 2700K; CREE/OSRAM/LUMILEDS.

LED Tree Light Series

EXC-BS400
Landscape Lighting Series-LED Tree Light

The EXC-BS400 tree hug lamp series products are a high-strength aluminum alloy shell specially designed for outdoor landscape lighting by AICA, high-power tree hug floodlights, which can be used in specific lighting areas or landscape coloring, and are used in landscape gardens, etc.
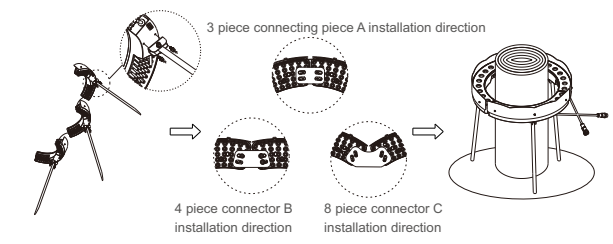
Product Features

● A new generation of DMX512 parallel bus technology design, a new generation of structural waterproof design
● High-strength aluminum lamp body with low thermal resistance path heat dissipation design
● High reliability modular design
● Special protection design for outdoor lightning protection and static electricity (ESD)
● Load safety design

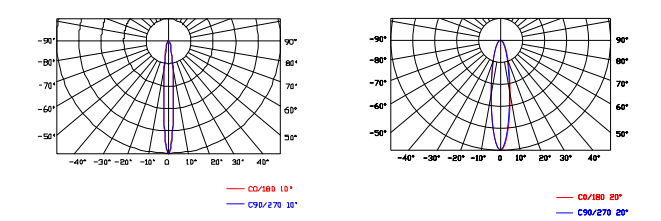### Product Size   Unit: mm
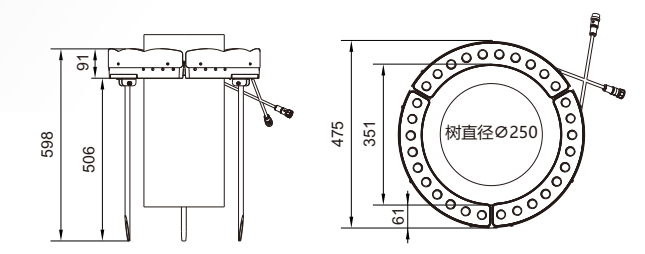
Schematic Diagram of Installation Method

Step 1: Fix the high bracket assembly on the bottom surface of the lamp with two M5 combination screws
Step 2: As shown in the picture, surround the tree and connect each luminaire with M5 combination screws.
Step 3: Insert the high bracket of the luminaire into the ground as shown in the picture and fix it firmly

3 piece connecting piece A installation direction

4 piece connector B installation direction

8 piece connector C installation direction

Light Distribution Curve

Basic Specifications

Color	W/RGBW
Light source	SMD W/RGBW 4in1 LED
Life	35,000h
Material	High-strength aluminum alloy/tempered glass
Weight	Weight: 1.7kg

Working conditions

Operating temperature	-40°C ~ 50°C
Storage temperature	-40°C ~ 70°C
Protection rating	IP66
Application environment	Outdoor

Electrical parameters

Operating Voltage	DC24V
Maximum power	36W

Optical parameters

Beam angle	6°, 10°, 15°,20° other angles are optional

Controller

Main Controller	EXC-Y220series,EXC-Y880series,EXC-M520series, EXC-5200series,EXC-6000series,EXC-8000series, EXC-10000series......
Sub Controller	EXC-S880,EXC-2905......

Available Models

Product model	Working voltage	Power	Light source	Angle	Control protocol	Gray scale	Material	Energy efficiency value	LED brand
BS400ARL	DC24V	24W	8xW	6/8/10/15	ON/OFF	/	Aluminum + Glass	≥60 lm/w	Note 1
BS400ARL	DC24V	30W	10xW	/20/30/45	ON/OFF	/	Aluminum + Glass	≥60 lm/w	Note 1
BS400ARL	DC24V	36W	12xW	/60/80	ON/OFF	/	Aluminum + Glass	≥60 lm/w	Note 1
BS400ARL	DC24V	15W	8xRGBW		DMX512	65536	Aluminum + Glass	≥40 lm/w	Note 1
BS400ARL	DC24V	20W	10xRGBW	20/30/45/60	DMX512	65536	Aluminum + Glass	≥40 lm/w	Note 1
BS400ARL	DC24V	24W	12xRGBW		DMX512	65536	Aluminum + Glass	≥40 lm/w	Note 1

Note 1: LED brand: CREE/OSRAM/LUMILEDS/ /Taiwan/Mainland   Note 2: The above optical parameter > 2700K; CREE/OSRAM/LUMILEDS.

Panel Light Series

EXC-FS500
Landscape Lighting Series-Panel Light

EXC-FS500 Panel light full-color series products are the latest Facebook series lamps developed by EXC-LED; when the lamps are not bright, they are transparent, which does not affect the lighting and visual effects, and becomes a crystal clear color block after lighting. . Each lamp is an independent pixel, and is equipped with a high-strength aluminum alloy base, which is simple and reliable to install, and is mainly used for glass curtain wall lighting.

Product Features

● The lamp body is transparent when the lamp is not on, and does not affect the glass lighting
● Imported homogenizing plate, uniform light emission
● Imported glue full potting waterproof design
● Special protection design for outdoor lightning protection and static electricity (ESD)
● The best solution for glass screen wall lighting

Schematic Diagram of Installation Method

1. Use ST4 self-tapping screws to fix the mounting base to the mounting carrier as shown in the figure. The specific spacing is based on the length of the lamp.

Self-tapping screws
Mounting base
Mounting carrier
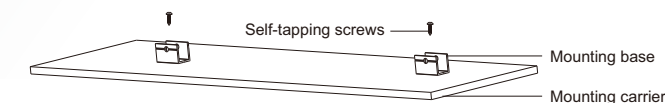
2. Clamp the lamp on the mounting base, and then use M4 screws to lock the lamp on mounting base, pay attention to the installation firmly

Lamp
Mounting base
Fixing screw
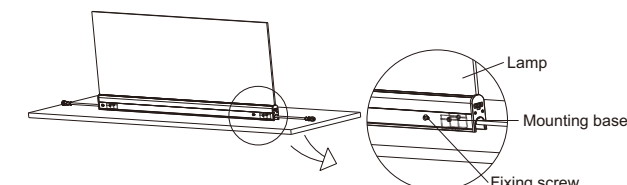
3. Finally, connect the male and female heads of the waterproof wiring with threads as shown in the figure, and pay attention to the installation firmly
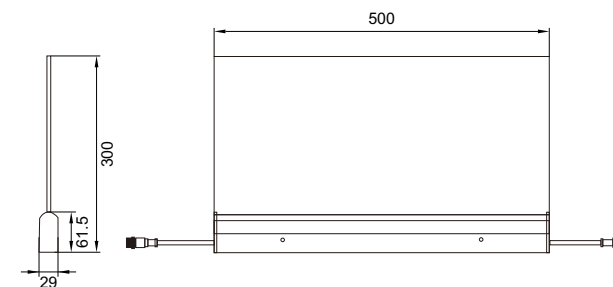
Lamp   Mounting carrier   Mounting base

Product Size   Unit: mm

500
300
61.5
29

Basic Specifications	
Color	W/RGB/RGB+W
Light source	SMD W/RGB 3in1 LED
Life	35,000h
Material	High-strength aluminum alloy
Weight	1.6kg
Working conditions	
Operating temperature	-40°C ~ 50°C
Storage temperature	-40°C ~ 70°C
Protection rating	IP66
Application environment	Outdoor

Electrical parameters	
Operating Voltage	DC24V
Maximum power	6W
Optical parameters	
Luminous flux	≥240LM(W)
Controller	
Main Controller	EXC-Y220series,EXC-Y880series,EXC-M520series, EXC-5200series,EXC-6000series,EXC-8000series, EXC-10000series......
Sub Controller	EXC-S880,EXC-2905......

Available Models

Product model	Working voltage	Power	Light source	Angle	Control protocol	Gray scale	Material	Energy efficiency value	LED brand
FS500	DC24V	6W	24xW	/	ON/OFF	/	Aluminum + Acrylic	≥35 lm/w	Note 1
FS500	DC24V	6W	24xRGB	/	DMX512	256/65536	Aluminum + Acrylic	≥10 lm/w	Note 1
FS500	DC24V	6W	12xRGB+12xW	/	DMX512	256/65536	Aluminum + Acrylic	≥15 lm/w	Note 1

Note 1: LED brand: CREE/OSRAM/LUMILEDS/ /Taiwan/Mainland   Note 2: The above optical parameter > 2700K; CREE/OSRAM/LUMILEDS.
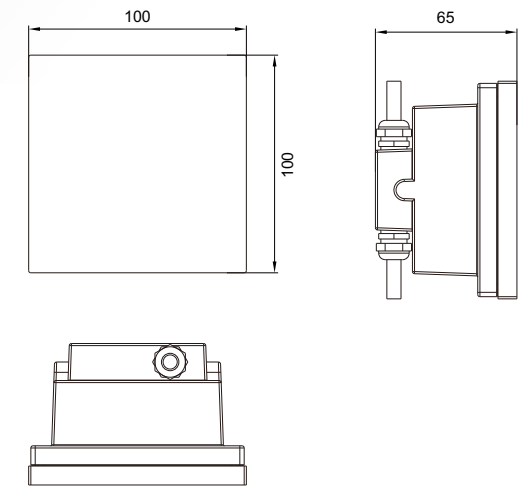
Floor Tile Light Series

EXC-SMG
Landscape Lighting Series-Floor tile light

EXC-SMG is a high-strength square surface light-emitting lamp specially designed for outdoor landscapes by EXC-LED. It has a modular design and can be used in any combination of puzzles or a single independent application. The lamp adopt high-strength die-cast aluminum and tempered glass. Waterproof design meets the requirements of P67 application, each lamp is an independent pixel; especially suitable for personalized applications such as garden squares, pedestrian streets, courtyards, dance halls, etc., and can also be used for built-in wall lamp lamps
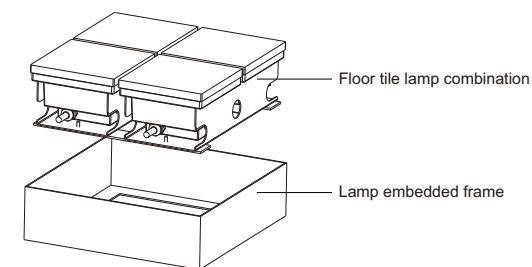
Product Features

● Modular design, any combination
● Double waterproof design
● A new generation of parallel bus control technology
● Dual redundant address protection

Product Size   Unit: mm

Schematic Diagram of Installation Method

Floor tile lamp combination

Lamp embedded frame

Basic Specifications	
Color	W/RGB
Light source	SMD W/RGB 3in1 LED
Life	35,000h
Material	High-strength die-cast aluminum/tempered glass
Weight	0.7kg
Working conditions	
Operating temperature	-40°C ~ 50°C
Storage temperature	-40°C ~ 70°C
Protection rating	IP66
Application environment	Outdoor

Electrical parameters	
Operating Voltage	DC24V
Maximum power	6W
Optical parameters	
Luminous flux	≥120LM(W)
Controller	
Main Controller	EXC-Y220series,EXC-Y880series,EXC-M520series, EXC-5200series,EXC-6000series,EXC-8000series, EXC-10000series......
Sub Controller	EXC-S880,EXC-2905......

Available Models

Product model	Working voltage	Power	Light source	Angle	Control protocol	Gray scale	Material	Energy efficiency value	LED brand
SMG	DC24V	3W	12xW	/	ON/OFF	/	Aluminum + Glass	≥35 lm/w	Note 1
SMG	DC24V	3W	12xRGB	/	DMX512	256/65536	Aluminum + Glass	≥35 lm/w	Note 1

Note 1: LED brand: CREE/OSRAM/LUMILEDS/ /Taiwan/Mainland   Note 2: The above optical parameter > 2700K; CREE/OSRAM/LUMILEDS.

Guardrail Lighting Series

EXC-W50G

Landscape Lighting Series-Guardrail lighting

EXC-W50G series product is an outdoor high-power guardrail lamp made of high-strength aluminum alloy and specially designed for outdoor road lighting. It can be used in specific road lighting scenarios that meet needs. The length of the lamp can be provided in a variety of specifications.

Product Features

● Patented comb-shaped convection heat dissipation design
● Low thermal resistance path heat dissipation design
● Special protection design for outdoor lightning protection and static electricity (ESD)
● New generation of anti-glare structure design, better anti-glare effect
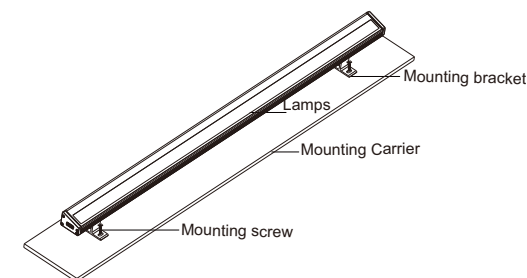● Excellent optical design, showing uniform and soft road lighting effect

Product Size   Unit: mm

998

50

94
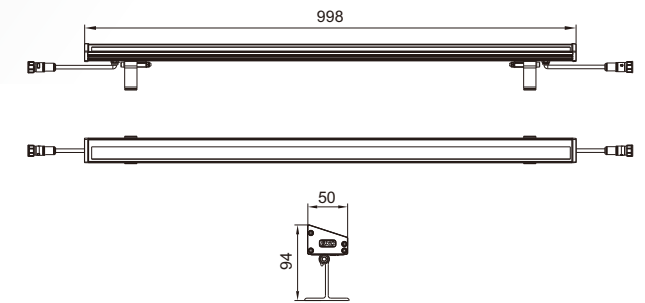
Schematic Diagram of Installation Method

Choose M6 expansion screws, and fix the mounting base to the required position as shown in the figure. The specific spacing is based on the length of the lamp. Mounting base fixing screws.

Mounting bracket
Lamps
Mounting Carrier
Mounting screw

Light Distribution Curve

-90   90
-60   60
-30   30
0
10x100° Polarized 40°

Basic Specifications	
Color	W
Light source	SMD W LED
Life	35,000h
Material	High-strength die-cast aluminum/tempered glass
Weight	1.94kg
Working conditions	
Operating temperature	-40°C ~ 50°C
Storage temperature	-40°C ~ 70°C
Protection rating	IP66
Application environment	Outdoor
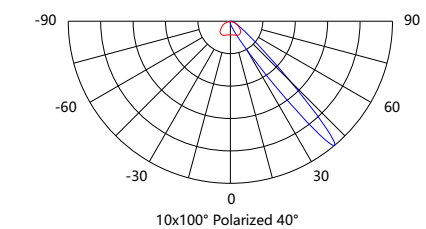
Electrical parameters	
Operating Voltage	DC24V
Maximum power	36W
Optical parameters	
Beam angle	10x100° Polarized 40°
Controller	
Main Controller	-
Sub Controller	-

Available Models

Product model	Working voltage	Power	Light source	Angle	Control protocol	Gray scale	Material	Energy efficiency value	LED brand
W50GBL	DC24V	36W	12xW	10x100° Polarized 40°	ON/OFF	/	Aluminum + Glass	≥80 lm/w	Note 1

Note 1: LED brand: CREE/OSRAM/LUMILEDS/ /Taiwan/Mainland   Note 2: The above optical parameter > 2700K; CREE/OSRAM/LUMILEDS.

Solar point light Series

EXC-TP120

Landscape Lighting Series-Solar point light

The EXC-TP120WZS solar wireless charging point light series is designed for outdoor landscape lighting by EXC-LED. Utilize solar energy to convert into electric energy, no need to wire, and it will light up normally for a week even if it is continuous rainy days. ZIGBEE network communication, GPS synchronization effect, unique address, can realize single-point control. Cooperate with EXC-GSL-1000E IoT gateway, support platform program distribution and execute timing strategy according to latitude and longitude. Each luminous point is like a starry sky in the sky, with built-in 8 effects such as constant light, flashing, and color change. It is widely used in cities and parks. It is easy to install, low cost, and basically no post-maintenance.

Product Features

●New generation Zigbee wireless ad hoc network technology design, GPS synchronization
●Free adjustment of solar panel angle
●Support low-power standby mode,
●Long work time
●Lightweight and beautiful, small wind load design
●Support built-in effect playback
●Support wireless upgrade, support remote program delivery
●Electrostatic (ESD) protection and EMC design

Product Size   Unit: mm
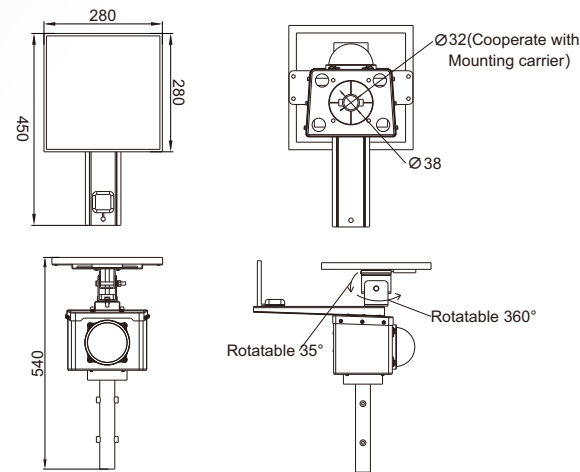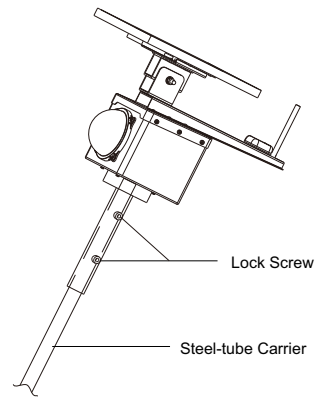
Schematic Diagram of Installation Method

Lock Screw

Steel-tube Carrier

Basic Specifications

Color	RGB
Light source	SMD RGB 3in1 LED
Life	Cycle life under floating charge ≥2000 times of charge and discharge
Material	Aluminum + PC
Weight	7.0Kg
Working conditions	
Operating temperature	-40℃ ~ 50℃
Storage temperature	-40℃ ~ 70℃
Protection rating	IP66
Application environment	Outdoor

Light Distribution Curve
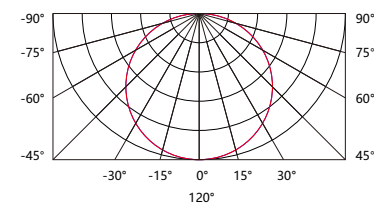
Electrical parameters

| Operating Voltage	DC24V
Maximum power	3.5W
Optical parameters	
Central light intensity	≥60cd
Beam angle	≥100°
Controller	
Main Controller	–
Sub Controller	–

Available Models

Product model	Working voltage	Power	Light source	Angle	Control protocol	Gray scale	Material	Central light intensity	LED brand
TP120WZS	DC12V	3.5W	12xRGB	≥120°	GPS/Zigbee	256/65536	Aluminum + PC	≥60cd	Note 1

Note 1: LED brand: CREE/OSRAM/LUMILEDS/ /Taiwan/Mainland   Note 2: The above optical parameter > 2700K; CREE/OSRAM/LUMILEDS.

EXC-TP245

Landscape Lighting Series-Solar floating point light

The EXC-TP245WZS series product is a solar floating point lamp specially designed for outdoor landscape lighting by EXC-LED. It is used in various cultural and tourism lighting scenes, supports floating applications, land poles, wall surfaces, and uses solar wireless Power supply technology supports light control and time control.
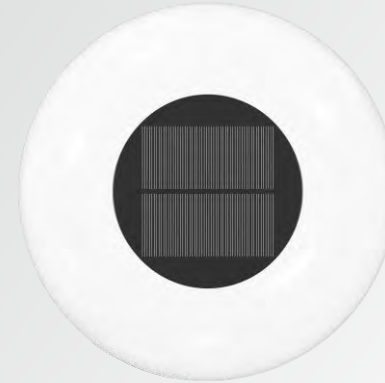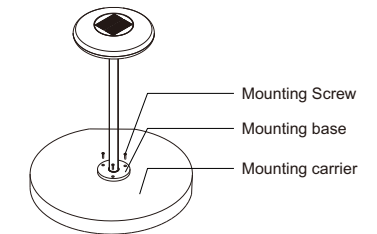

Product Features

● High-efficiency and low-power design, long-lasting and reliable battery life
● Lightweight and beautiful, strong sense of integration
● Support light control, time control control
● Support multiple application forms of floating on water surface, pole on land surface, and wall mounting
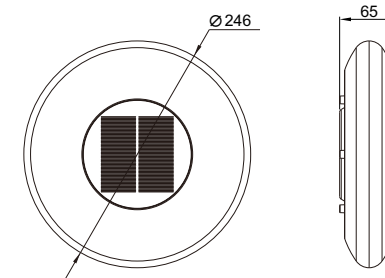● Electrostatic (ESD) protection and EMC design

Schematic Diagram of Installation Method

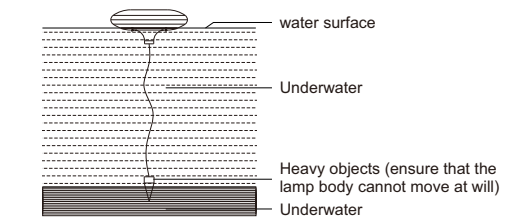**Solar floating point light--pole installation**

1. Use M4 expansion screws to fix the mounting base to the required position as shown in the figure
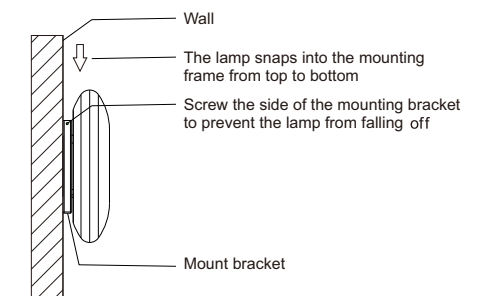2 Mounting base fixing screws

Mounting Screw

Mounting base

Mounting carrier

Solar floating point light--water surface installation

water surface

Underwater

Heavy objects (ensure that the lamp body cannot move at will)

Underwater

Solar floating light --wall installation

1. Fix the mounting bracket to the wall with expansion screws
2. Snap the light directly into the mounting frame
3. Screw on the mounting frame to prevent the lamp from falling off

Wall

The lamp snaps into the mounting frame from top to bottom

Screw the side of the mounting bracket to prevent the lamp from falling off

Mount bracket

Product Size   Unit: mm

Basic Specifications

| Color	RGB
Light source	SMD RGB 3in1 LED
Life	Cycle life under floating charge ≥2000 times of charge and discharge
Material	Engineering Materials
Weight	0.45Kg
Working conditions	
Operating temperature	0℃ ~ 50℃
Storage temperature	-40℃ ~ 70℃
Protection rating	IP68
Application environment	Outdoor
Electrical parameters	
Operating Voltage	DC3.7V
Maximum power	2W
Optical parameters	
Beam angle	≥120°

Available Models

Product model	Working voltage	Power	Light source	Angle	Control protocol	Gray scale	Material	Energy efficiency value	LED brand
TP245WZS	DC3.7V	2W	20xRGB	≥120°	Internal control	256/65536	Engineering Materials	≥10 lm/w	Note 1

Note 1: LED brand: CREE/OSRAM/LUMILEDS/ /Taiwan/Mainland   Note 2: The above optical parameter > 2700K; CREE/OSRAM/LUMILEDS.

EXC®

Special Display Series
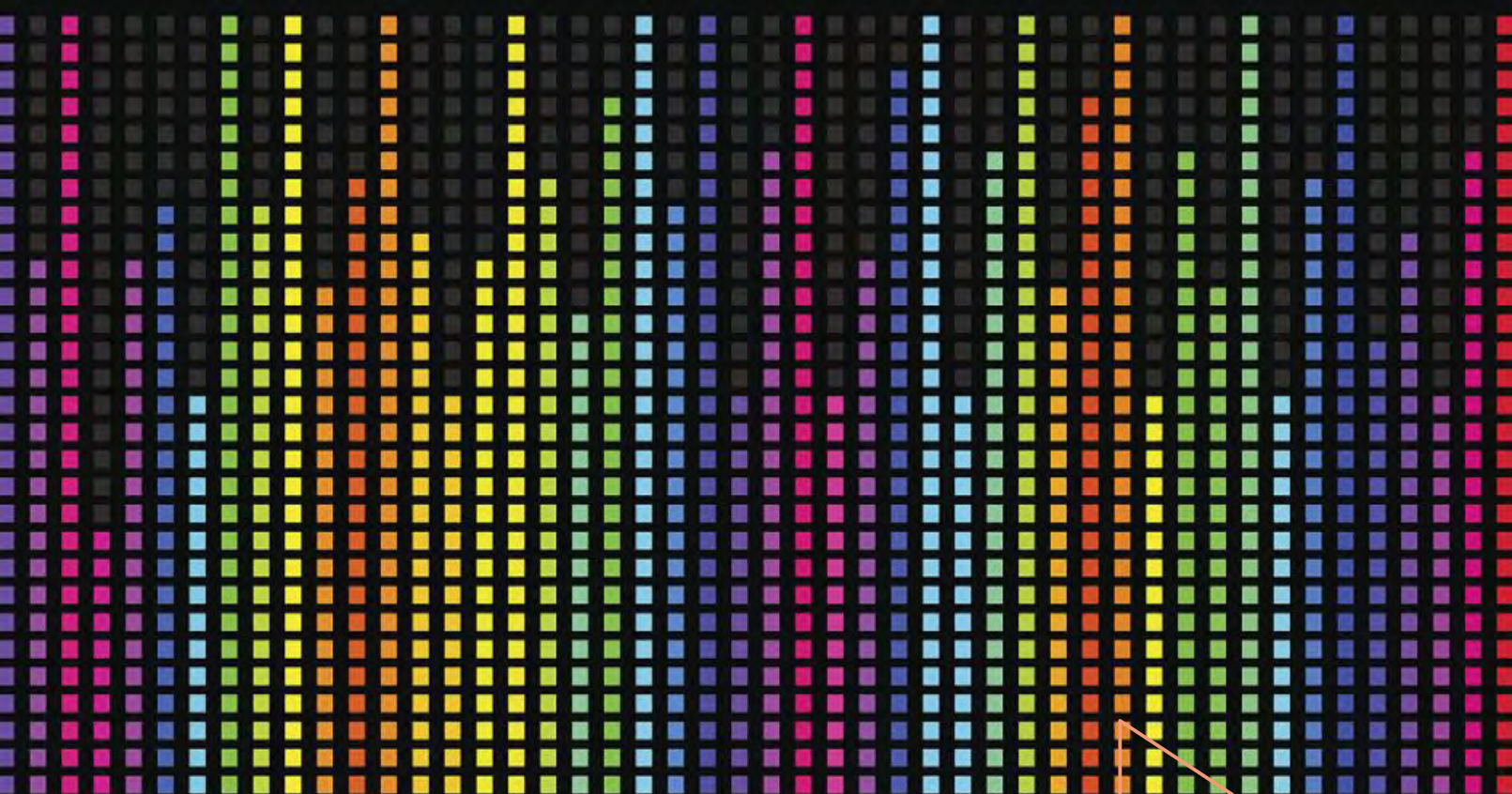
- Flexible LED curtain screen series
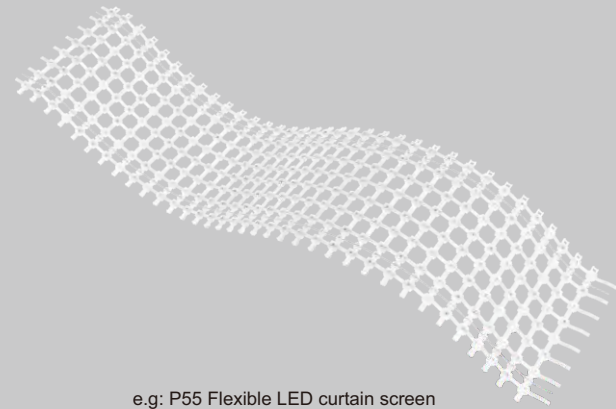
- Grille screen series

EXC Flexible LED Curtain Screen

Special Display-Flexible LED Curtain Screen

EXC-P55 flexible LED curtain screen series product is a flexible grid screen specially designed for outdoor landscape lighting by EXC-LED, with a pixel pitch of 55mm. It can be used for outdoor media facade display, supports modular customization, and is simple and reliable to install.
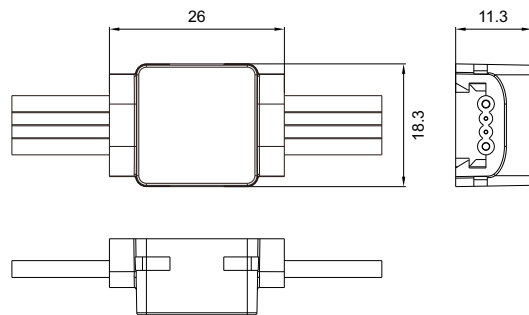
Product Features

● New Generation DMX512 Parallel Bus Technology Design

● Integrated snap-on type no joint anti-pull connection design

● Germany imported high thermal conductivity adhesive full potting waterproof design

● Flexible structure design, adapt to a variety of different media facade display applications

● Special protection design for outdoor lightning protection and static electricity (ESD)
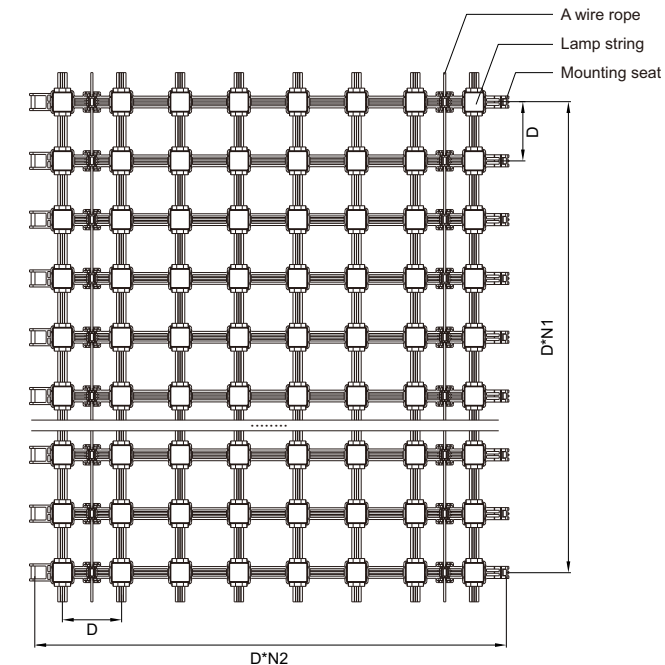
e.g: P55 Flexible LED curtain screen

Schematic Diagram of Installation Method

- A wire rope
- Lamp string
- Mounting seat

N1:Customizable   N2: P55=8\P62=8\P100=5
D: P55=55mm\P62=62.5mm\P100=100mm

Product Size   Unit: mm

26   11.3   18.3

Basic Specifications

Color	RGB
Light source	SMD RGB 3in1 LED
Life	35,000h
Material	PC
Weight	2.5Kg/㎡

Working conditions

Operating temperature	-40℃ ~ 50℃
Storage temperature	-40℃ ~ 70℃
Protection rating	IP66
Application environment	Outdoor

Electrical parameters

Operating Voltage	DC5V/12V
Maximum power	230W/㎡

Optical parameters

Brightness	≥ 800cd/㎡
Beam angle	≥140°

Controller

Main Controller	-
Sub Controller	-

Available Models

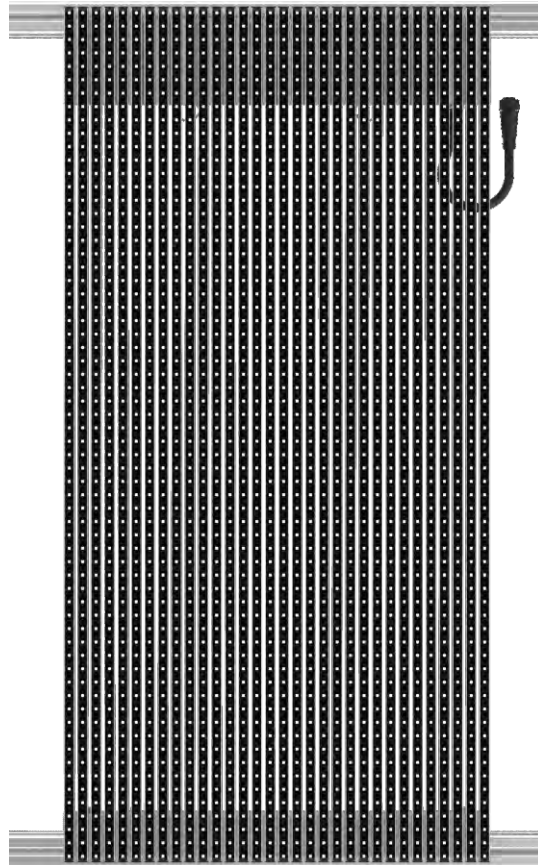| Product model	P55 Flexible LED curtain screen		P62 Flexible LED curtain screen		P100 Flexible LED curtain screen	
Voltage	DC 5V	DC 12V	DC 5V	DC 12V	DC 5V	DC 12V
Peak power	96W/m²	230W/m²	76W/m²	180W/m²	30W/m²	72W/m²
Average power	32W/m²	72W/m²	25W/m²	60W/m²	10W/m²	24W/m²
Pixel spacing	55*55mm	55*55mm	62.5*62.5mm	62.5*62.5mm	100*100mm	100*100mm
Number of single pixel light sources	1xRGB	2xRGB	1xRGB	2xRGB	1xRGB	2xRGB
Color temperature	RGB	RGB	RGB	RGB	RGB	RGB
Light source packaging	2727 RGB 3in1	2727 RGB 3in1	2727 RGB 3in1	2727 RGB 3in1	2727 RGB 3in1	2727 RGB 3in1
Surface brightness	>480cd/m²	>1150cd/m²	>380cd/m²	>900cd/m²	>150cd/m²	>360cd/m²
Permeability	>52%	>52%	>57%	>57%	>80%	>80%
Resolving power	324dot/m²	324dot/m²	256dot/m²	256dot/m²	100dot/m²	100dot/m²
Control mode	RBT512	RBT512	RBT512	RBT512	RBT512	RBT512
Refresh rate	>2KHz	>2KHz	>2KHz	>2KHz	>2KHz	>2KHz
Frame change frequency	>60HZ	>60HZ	>60HZ	>60HZ	>60HZ	>60HZ
Gray level	4096	4096	4096	4096	4096	4096
Unit size	440mm*customized L	440mm*customized L	500mm*customized L	500mm*customized L	500mm*customized L	500mm*customized L
Unit direction	vertical	vertical	vertical	vertical	vertical	vertical

Note 1: LED brand: CREE/OSRAM/LUMILEDS/ /Taiwan/Mainland   Note 2: The above optical parameter > 2700K; CREE/OSRAM/LUMILEDS.

EXC-LED Grille screen

Special Display-LED Grille screen

EXC-LED grille screen series products are an aluminum profile LED grille screen specially designed for outdoor landscape lighting by EXC-LED; the product is light-weight, high-transparent, and suitable for media advertising such as glass curtain walls, building exterior walls and outdoor large screens application.
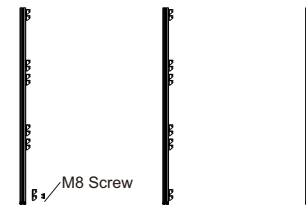
E.g: GS1616B

Product Features

● A new generation of synchronous control system

● Low power consumption, high transparency design

● Lightweight, ultra-thin, small wind load design

● Modular, waterproof and removable structure, convenient and quick maintenance

● No steel structure, can be installed front and rear, outdoor lightning protection and electrostatic (ESD) special protection design
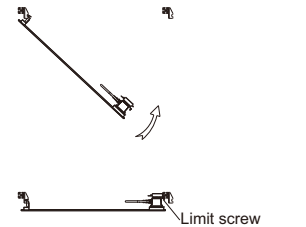
Schematic Diagram of Installation Method

Step 1: Fix the installation profile on the installation

Step 2: Fix the buckle base on the mounting profile with two M8 screws
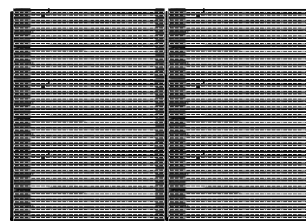
M8 Screw

Step 3: Put the bottom of the module into the buckle base and push to the installation position as indicated by the arrow until the top lock tongue snaps into the installation profile.

Limit screw

Step 4: After the module card holder is installed in the position, tighten the limit screw, and the installation of a single module is completed.
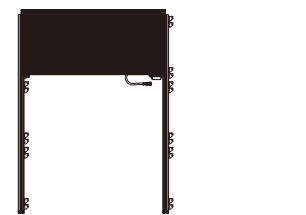
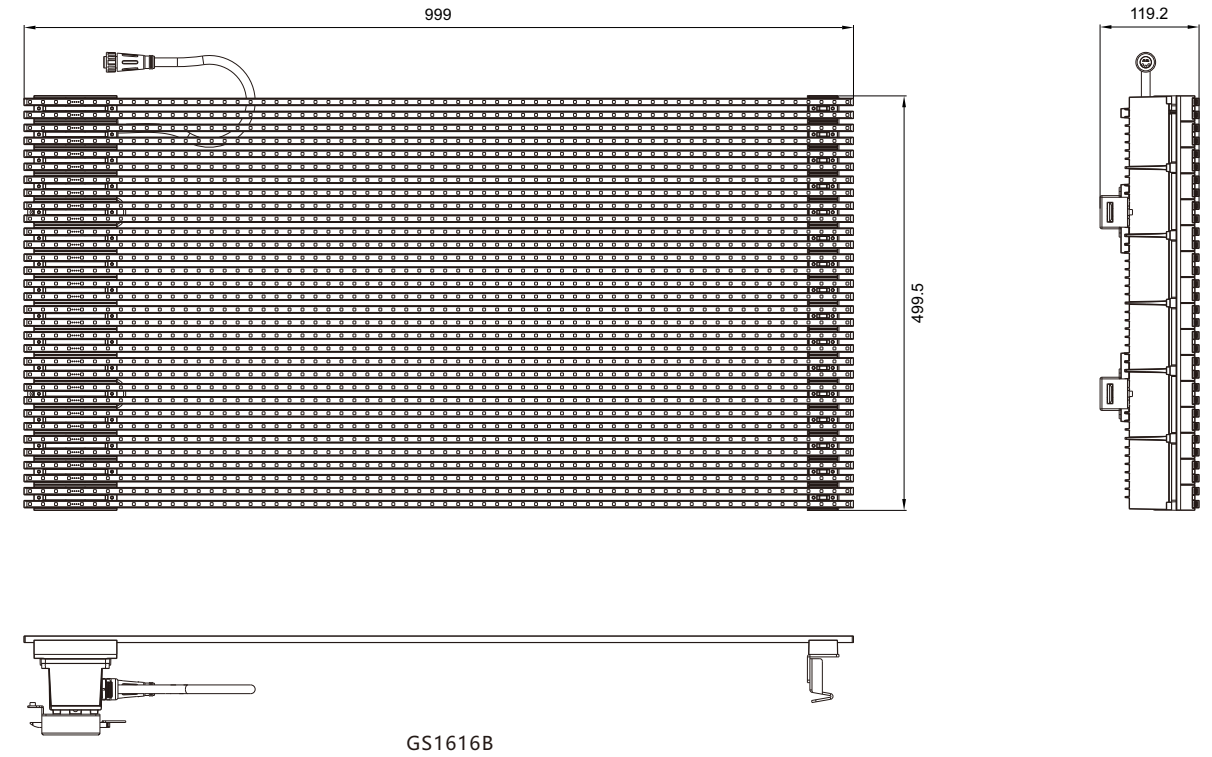Step 5: Connect all electrical connection wires, and the installation is complete.

E.g: GS1616B

Product Size   Unit: mm

999

499.5

119.2

GS1616B

Available Models

Product model	GS2525A	GS2550A	GS3232A	GS5050A	GS1616B	GS2525B	GS2536B	GS3232B
Voltage	DC 36-48V	DC 36-48V	DC 36-48V	DC 36-48V	AC 176-264V	AC 176-264V	AC 176-264V	AC 176-264V
Peak power	480W/m²	240W/m²	240W/m²	240W/m²	800W/m²	480W/m²	350W/m²	300W/m²
Average power	160W/m²	80W/m²	80W/m²	80W/m²	260W/m²	160W/m²	120W/m²	100W/m²
Pixel spacing	25*25.6mm	25*51.2mm	31.25*31.25mm	50*51.2mm	15.6*15.6mm	25*25.6mm	25*36.5mm	31.25*31.25mm
Number of single pixel light sources	1xRGB	1xRGB	1xRGB	1xRGB	1xRGB	1xRGB	1xRGB	1xRGB
Color temperature	RGB	RGB	RGB	RGB	RGB	RGB	RGB	RGB
Light source packaging	3535 RGB 3in1	3535 RGB 3in1	3535 RGB 3in1	3535 RGB 3in1	3535 RGB 3in1	3535 RGB 3in1	3535 RGB 3in1	3535 RGB 3in1
Surface brightness	>4800cd/m²	>2400cd/m²	>2400cd/m²	>1200cd/m²	>8000cd/m²	>4800cd/m²	>3500cd/m²	>3000cd/m²
Permeability	>42%	>66%	>52%	>66%	>29%	>41%	>55%	>50%
Resolving power	1600dot/m²	800dot/m²	1024dot/m²	400dot/m²	4096dot/m²	1600dot/m²	1120dot/m²	1024dot/m²
Control mode	DMX512	DMX512	DMX512	DMX512	DVI/Video card	DVI/Video card	DVI/Video card	DVI/Video card
Refresh rate	>1KHz	>1KHz	>1KHz	>1KHz	>3KHz	>3KHz	>3KHz	>3KHz
Frame change frequency	>18HZ	>18HZ	>18HZ	>18HZ	>60HZ	>60HZ	>60HZ	>60HZ
Gray level	65536	65536	65536	65536	65536	65536	65536	65536
Unit size	1000*256mm	1000*256mm	1000*256mm	1000*256mm	1000*256mm	1000*256mm	1000*256mm	1000*256mm
Unit direction	Horizontal / vertical	Horizontal / vertical	Horizontal / vertical	Horizontal / vertical	Vertical	Horizontal / vertical	Horizontal / vertical	Horizontal / vertical

Note 1: LED brand: CREE/OSRAM/LUMILEDS/ /Taiwan/Mainland   Note 2: The above optical parameter > 2700K; CREE/OSRAM/LUMILEDS.