DMX RGB color COB LED Flood Light

Features

- ISEELED Tech provide COB type 10-15W, 30W, 45W RGB DMX LED flood light
- COB LED use less led to get same light output comparing with the 1-3W high power led
- COB RGB LED get at least 20,000 hours service life.
- Standard DMX 512 control, 44 frames/second, manual or auto-addressing.
- Easy to install, and fast get through input and output connector.
- Protection: IP65.
- Application: entertainment led lighting or architecture led lighting installation.

Parameters

Model	LED-FL146DMX0101	LED-FL225183DMX0101	LED-FL290240DMX0101
Product Name	10W COB DMX LED Flood Light	30W COB DMX LED Flood Light	45W COB DMX LED Flood Light
PCB Dimension	ø146*H95mm	L225*W183*H125mm	L290*W240*H150mm
LED Type	10-15W LED	30W COB RGB LED	45W RGB COB LED
LED QTY	1 LED	1 LED	1LED
Pixel Qty	1 Pixel=3 DMX CH	1Pixel = 3 DMX CH	1 Pixel = 3 DMX CH
Working Voltage	24V DC	24V DC	24V DC
Input Voltage	24V DC	24V DC/ 85-240V AC	24V DC/ 85-240V AC
Max Power	10W	30W	45W
Project Distance	>3M	>5M	>8M
Beam Angle	45°	120°	120°
Protocol	DMX 512 Manual/ Auto addressing		
Control Mode	DMX Artnet/ DMX DVI/Standalone SD Card control/DMX console, etc		
Protection	IP65		
Operating Temperature	-20°C~+50°C	-20°C~+50°C	-20°C~+50°C
Humidity Range	0 to 95% non-condensing		
Gross Weight	1.5kg	1.5kg	2.6kg

LED Window Light

Features

- ISEELED Tech product line RGB LED window light and single color LED window light to the market.
- Specific light beam make the led window light good performance in shining the window.
- High Brightness 1-3W Cree LED to get a pure light and the led long service life at least 50,000 hours.
- Standard DMX 512 control, 44 frames/second, auto-addressing for series connection.
- Easy to install, and fast get through input and output connector.
- Protection: IP67.
- Application: architecture led lighting installation.

Parameters

Model	LED-WL47113DMXRGB0601	LED-WL47113DMXS0601	LED-WL102102DMXRGB0301
Product Name	RGB Window LED Light	Mono Color Window LED Light	L shape RGB Window LED Light
Dimension	L200*W47*H113mm	L200*W47*H113mm	L102*W47*H102mm
Housing color&material	Aluminum in Gray	Aluminum in Gray	Aluminum in Gray
LED Type	1-3W Cree LED	1-3W Cree LED	1-3W Cree LED
LED QTY	6 LEDs	6 LEDs	3 LEDs
LED Pixel	1 Pixel = 3 DMX CH	1 Pixel = 1 DMX CH	1 Pixel = 3 DMX CH
Input Voltage	12V24V DC	12V/24 DC	12V/24 DC
Max Power	12W	12W	6W
Protocol	DMX 512	DMX 512	DMX 512
Control Mode	Artnet / DVI / Standalone SD Card control / DMX console, etc		
Protection	IP67	IP67	IP67
Operating Temperature	-40°C~+60°C	-40°C~+60°C	-40°C~+60°C
Humidity Range	0 to 95% non-condensing	0 to 95% non-condensing	0 to 95% non-condensing
Gross Weight	1.5kg	1.5kg	0.9kg

Architecture Lighting

12W, 18W, 24W DMX LED Underwater Light

Features

· We provide round dmx led underwater light in 12W, 18W, 24W, small ring and bigger ring.
· Standard hole to match perfectly with the fountain valve.
· High Brightness 1W, 3W led and long service life at least 50,000 hours.
· Standard DMX 512 control, 44 frames/second, manual or auto-addressing.
· Detachable bracket for easy installation and adjustable the wall washer angle.
· Protection: IP68.
· Application: architecture led lighting installation for fountain light and pool light.

Parameters

Model	LED-UW148DMX1201	LED-UW180DMX1801	LED-UW180DMX2401
Product Name	12W Underwater LED Lamp	18W Underwater LED Lamp	24W Underwater LED Lamp
Housing Dimension	ø160*H93mm	ø180*H93mm	ø180*H93mm
LED Type	1W LED	1W LED	1-3W LED
LED QTY	12 LEDs	18 LEDs	18 LEDs/Meter
Pixel Qty	1 Pixel=3 DMX CH	1Pixel = 3 DMX CH	1 Pixel = 3 DMX CH
Input Voltage	24V DC	24V DC	24V DC
Max Power	12W	18W	24W
Beam Angle	16°, 25°, 30°, 45°, 60°		
Protocol	DMX 512 Manual/ Auto addressing		
Control Mode	DMX Artnet/ DMX DVI/Standalone SD Card control/DMX console, etc		
Protection	IP68		
Operating Temperature	-20°C~+50°C	-20°C~+50°C	-20°C~+50°C
Humidity Range	0 to 95% non-condensing		
Gross Weight	1.8kg	2.5kg	2.6kg

35

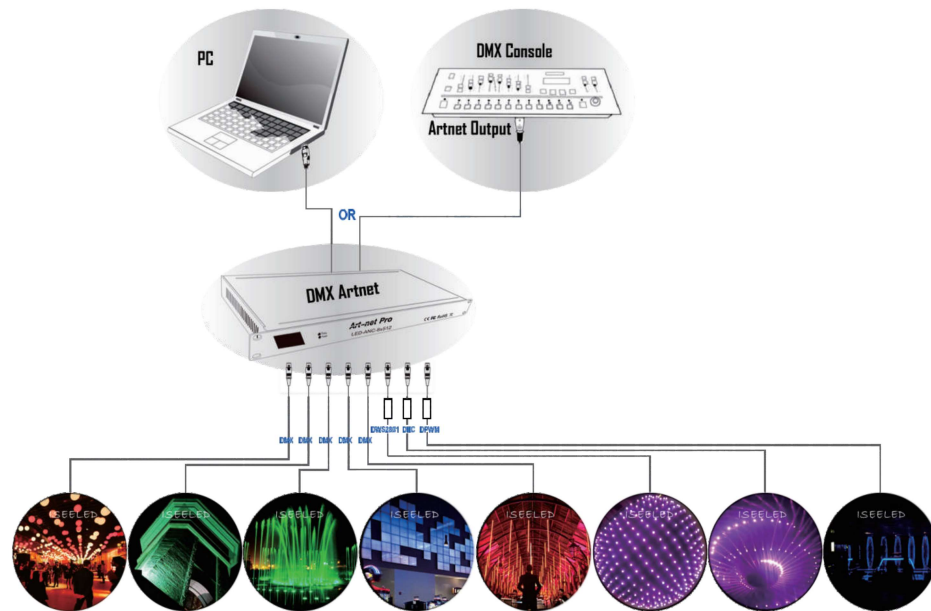# *High Power Underground LED Light*

Features

· We provide customized service in high power DMX LED underground light.
· Round dot type and long strip LED underground light is available.
· High Brightness 1W, 3W led and long service life at least 50,000 hours.
· Standard DMX 512 control, 44 frames/second, manual or auto-addressing.
· Easy to install and fast get through input and output connector.
· Protection: IP68.
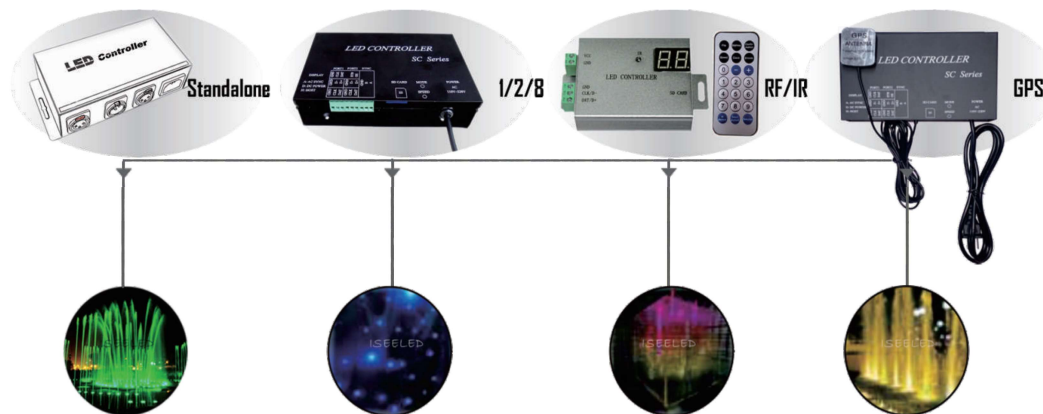· Application: architecture led lighting installation.

Parameters

Model	LED-UG65DMX 0101-1W	LED-UG100DMX 0301-3W	LED-UG160DMX 0601-6W	LED-UG180DMX 0901-9W	LED-UG197DMX 0101-36W
Product Name	1W Underground LED Lamp	3W Underground LED Lamp	6W Underground LED Lamp	9W Underground LED Lamp	36W Underground LED Lamp
Housing Dimension	ø65*H75mm	ø100*H80mm	ø160*H95mm	ø180*H95mm	ø250*H95mm
LED Type	1W LED	1W LED	1W LED	1W LED	36W COB LED
LED QTY	1 LED	3 LEDs	6 LEDs	9 LEDs	1 LED
Pixel Qty	1 Pixel	1 Pixel	1 Pixel	1 Pixel	1 Pixel
Input Voltage	12V DC	24V DC	24V DC	24V DC	24V DC
Max Power	1W	3W	6W	9W	36W
Beam Angle	16°, 25°, 30°, 45°, 60°				23°
Control Mode	DMX 512 Manual/ Auto addressing				
Protection	IP68				
Operating Temperature	-20°C~+50°C	-20°C~+50°C	-20°C~+50°C	-20°C~+50°C	-20°C~+50°C
Humidity Range	0 to 95% non-condensing				
Gross Weight	0.5kg	0.8kg	1.2kg	1.8kg	2.5kg

Architecture Lighting

36

PC Control (Artnet / DVI) / DMX Console

PC

DMX Console

Artnet Output

OR

DMX Artnet

Art-net Pro

Standalone LED Control system

Standalone

1/2/8

RF/IR

GPS

Wireless LED Control system

XLR Transceiver

2.4G

LCD Transceiver

LED Lightings

LED Decoder Wiring Diagram

Power Supply
DC12..24V

GND N L

~220B

Wiring of 24Ch DMX PWM Decoder with RGB LED Strip

LED Controller

Standard DMX Artnet Controller

CE FC RoHS ART NET ETHERNET
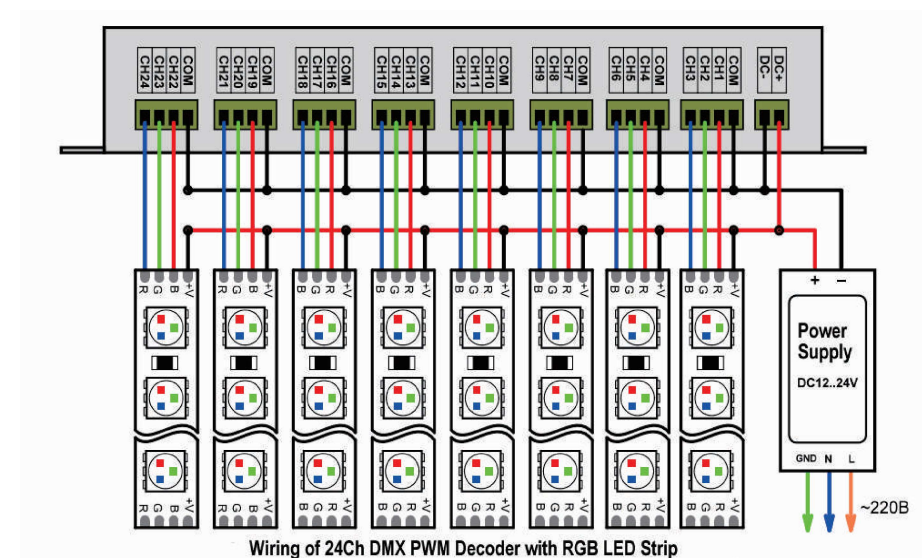
Artnet Node 8/16

Lightning DMX Artnet Controller

Lightning 1   Lightning 4

Lightning 12

Lightning 20

Lightning 30

Easy Artnet Net

Easy 4

Features

- Completely follow standard USITT DMX512/1990 protocol and the expanded DMX512 protocol.
- Standard DMX artnet controller and Lightning artnet controller compatible with WS2801, WS2811, SM16716, TM1804, UCS1903 etc with external DMX 512 decoder.
- Easy artnet controller compatible with SPI signal directly without external decoder.
- Several standard DMX artnet or Easy artnet no need IP switch but an IP switch needed between several lightning artnet controller.
- Perfect synchronization between each universe of the 3 series of artnet controller.
- Implementing the Gamma Correction Algorithm based on the human visual system. It make color more abundance and satiation.
- Compatible with Art-net protocol and Madrix software which allows music to lights and sound to lights.
- The artnet controller suitable for architectural and entertainment lighting, different series to meet different needs.
- Standard controller can set the IP address and controller name via artnet setting software.
- Lightning controller can set the IP address and controller name via web.
- Easy artnet controller can set the IP address in the free led player software.
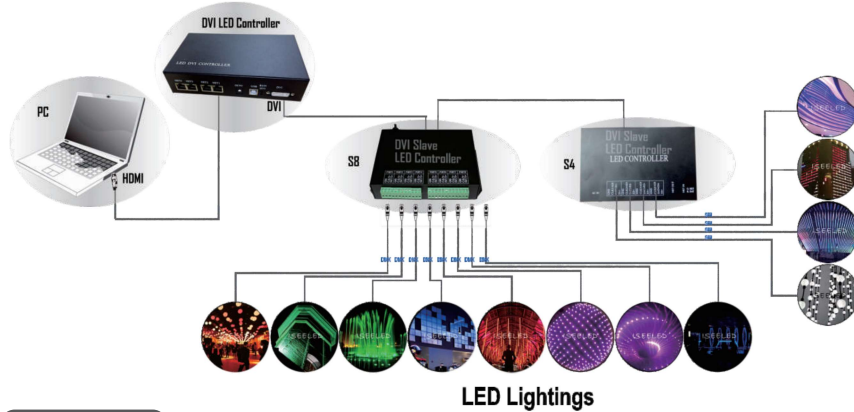
Parameters

Product Name	DMX Artnet Pro	Lightning Artnet Controller	Easy Artnet Controller
Universe	8/16 * 512 DMX CH	1/4/12/20/30 * 512 DMX CH	4 * 512 DMX CH
Input Voltage	AC110V-AC220V	AC110V-AC220V	AC110V/AC220V
Output Protocol	DMX 512	DMX 512	DMX 512 / SPI
Input Protocol	ART-NET II, ART-NET III	ART-NET II, ART-NET III	ART-NET II, ART-NET III
Output Connector	3/5 pin XLR female	3/5 pin XLR female	Open Wire Connector
Support software	Madrix, SUNLITE, Arkaos, Martin, Avolite	Madrix, SUNLITE, Arkaos, Martin, Avolite	Free Software-LED Player
Ethernet	Rj45, 10/100Mbit/s	Rj45, 10/100Mbit/s	Rj45, 10/100Mbit/s
Working Temperature	-20C°--+50C°	-20C°--+50C°	-20C°--+60C°
Working Environment	IP 20	IP 20	IP 20 / IP 24 for rainproof
Installation	Rack or Screw installation	Rack or Screw installation	Screw installation

LED Controller

[DVI LED Controller]

Features

· Each DVI LED controller maximum load 400,000 pixels with total 4 network output ports, and can expend the pixels with DVI distributor to connected with several DVI LED controller.
· High speed transmit through DVI/HDMI interfaces.
· Applied duplication mode when connected to computer with 32-bit and 64-bit operating systems.
· Support 4 output and 8 output slave controller 4.
· Through LAN cable signal transmit distance upto 100M, and upto 25KM by using photo electrical converter.

Diagram

LED Lightings

Parameters

Item	Description		
Name	DVI LED Controller	Slave Led Controller	Slave Led Controller
Model	LED-DVI-TV03	LED-DVI-S4	LED-DVI-S8
Input Voltage	DC9V	AC220V/AC110V	AC220V/AC110V
Power Consumption	5 W	1.2 W	1.2 W
Output Quantity	4	4	8
Control pixels	400,000 pixels, a computer controls 2.62 million pixels	4x512 CH for DMX, 3400 pixels total for SPI	8x512 CH for DMX, 6800 pixels total for SPI
Control Protocol	DMX / IIC / SPI	DMX / IIC / SPI	DMX / IIC / SPI
Working Temperature	-20C°--+75C°	-20C°--+75C°	-20C°--+75C°
Dimension	L183 x W139 x H40mm	L163 x W155 x H54mm	L183 x W139 x H40mm
Net Weight	0.8 Kg	1 Kg	1 Kg

[SD Card LED Controller]

Features

· 01SC has one output port, can control maximum 1024 pixels.
· 02SC has two output ports, can control maximum 2048 pixels.
· 03SA has eight output ports, can control maximum 8192 pixels.
· Use the DIP switch to set the play mode and speed, the SD card can be in and out with power-on.
· SD card supports FAT32 and FAT16 format, the maximum capacity is 64G bytes, stores maximum 64 DAT files.
· The type of driver chip and scanning frequency are set in "LED Build Software".
· Achieve encryption function by limiting the number of power-on time, which is set in DAT file.

Parameters

Model	LED-SC01	LED-SC02	LED-SA08
Output Port	1	2	8
Control Pixels	1x1024	2x1024	8x1024
Control Protocol	DMX/IIC/SPI	DMX/IIC/SPI	DMX/IIC/SPI
Input Voltage	AC110V/AC220V	AC110V/AC220V	AC110V/AC220V
Power Consumption	1W	1W	2W
SD Card	256MB Card	256MB Card	256MB Card
Working Temperature	-20C°--+85C°	-20C°--+85C°	-20C°--+85C°
Weight	1.5KG	1.5KG	1.5KG
Dimension	L145 x W140 x H54mm	L145 x W140 x H54mm	L205 x W155 x H54mm
Control IC Driver	LPD6803, LPD8806, LPD6813, LPD1882, LPD1889, DMX512, P9813, UCS6909, UCS6912, UCS1903, WS2801, WS2803, WS2811, DZ2809, SD600, SM16716, TLS3001, TM1812, TM1809, TM1804, TM1803, DM413, DM114, DM115, DM13C, DM134, DM135, DM136, 74HC595, 6B595, MBI5001, MBI5168, MBI5016, MBI5026, MBI5027, TB62726, TB62706, ST2221A, ST2221C, XLT5026, ZQL9712, ZQL9712HV, etc.		
Notes:	1, Several different SD card controller can realize AC synchronous. 2, Beside the standard easy SD card controller , the IR SD card controller, Timing SD card controller, GPS SD card controller, etc to meet multiple application.		

LED Controller

[LED PWM Decoder]

3CH*6A/CH

4Ch*6A/CH

6CH*6A/CH

24CH*5A/CH

Features

· LED PWM decoder received standard DMX 512 signal and transforms it into PWM signal to driver LED,
· 3CH*6A/CH, 4CH*6A/CH, 6CH*6A/CH, 24CH*5A/CH are available.
· DMX address can be set by DIP switch on the decoder.
· 0-100% dimming, 1024 gray level, 500Hz frequency.
· User can use the LED decoder separately or connected them with ISEELED artnet controllers or SD card
  controllers.
· Connected a DMX signal amplifier each 20 pcs LED.
· The difference between the different led decoder, besides the output channels and output current, the
  connection is different for different application, especially for 6CH led decoder.

Parameters

Model	LED-D3PWM	LED-D4PWM	LED-D6PWM	LED-D24PWM
Input Voltage	DC5V or DC 6-24V	DC 12-24V	DC 12-24V	DC 7.5-24V
Control	3CH x 4A	4CH x 6A	6CH x 6A	24CH x 5A
Max load	5V:60W, 12V:144W, 24V:288W	12V:288W, 24V:576W	5V:180W, 12V:432W, 24V:864W	12V:1440W, 24V:2880W
Input Signal	DMX 512	DMX 512	DMX 512	DMX 512
Input Connection	XLR 3 pin or RJ45	XLR 3 pin	XLR 3 pin	XLR 3 pin or Rj45
Working Temperature	-20C°--+75C°	-20C°--+75C°	-20C°--+75C°	-20C°--+75C°
Gross Weight	0.8KG	0.5KG	0.4KG	0.8KG
Dimension	L165 x W67 x H42mm	L156 x W78 x H40mm	L127 x W40 x H52mm	L262 x W130 x H45mm

[DMX SPI Decoder]

LED-DMXSPI

Waterproof DMX SPI

Features

· LED DMX SPI decoder receives standard DMX 512 signal and transforms it into SPI signal to driver LED.
· Indoor use LED-DMXSPI or waterproof application are available.
· DMX address can be set by DIP switch on the decoder or use dmx led address writer for waterproof decoder.
· LED-DMXSPI decode 512 dmx channels and can customized define the SPI pixel quantity together in a same
  dmx address.
· User can connected the LED DMX SPI decoder with ISEELED artnet controllers or SD card controllers.

Parameters

Model	LED-DMXSPI	LED-DMXSPI-A
Input Voltage	DC 12V	DC 12V
Max load	512 DMX CH	512 DMX CH
Input Signal	DMX 512	DMX 512
Input Connection	XLR 3/5 pin	XLR 3/5 pin or 4 pin male
Output Signal	SPI (WS2811 or other)	SPI (WS2811 or other)
Output Connection	XLR 3 pin	4 pin female
Working Temperature	-20C°--+75C°	-20C°--+75C°
Gross Weight	0.47KG	0.25KG
Dimension	L127 x W40 x H52mm	L50 x W25x H20mm

LED Controller

Parameters

Mode	LED-DMX-S4	LED-DMX-S8
Signal connection socket	Input: XLR-3-M Output: XLR-3-F	Input: XLR-3-M Output: XLR-3-F
Output Universe	4 output	8 output
Electrical isolation voltage	>AC300V	>AC300V
Input Voltage	90-240VAC 50Hz/60Hz	90-240VAC 50Hz/60Hz
Dimension	120*70*45mm	484*45*140mm "19" 1U
Weight	0.85kg	1.9kg

DMX Terminal Resistor

Features

· The DMX Terminator plugs into the feed-through connector of the final DMX device on a control cable.
· Using the DMX Terminator improves signal reliability by preventing reflections and reducing ringing.

Parameters

Mode	LED-DT-4
Working Voltage	0-300V
Working Current	0-8A
IP Rating	Ip65
Length	5cm
Weight	9 g

Features

· LED DMX address writer to use for dmx address manual setting led light. Due to different DMX 512 LED lights use different DMX IC driver, so there are different types dmx address writers.
· The DMX address writer can set the dmx address one channel by one channel.
· The DMX address writer can test the address of the each channels after you set the dmx address which perform as a lighting testing function.
· User can set the DMX address for several groups/universe of lamps with same address.

Parameters

Model	LED-DW100	LED-DW200
Input Voltage	DC 12-24V	DC 7-24V
Output Signal	DMX 512	DMX 512
Output Connection	XLR 3/5 pin	Open wire
Working Temperature	-20°C--+50°C	-20°C--+50°C
Gross Weight	0.25KG	0.5KG

LED Controller

Madrix introduction

· MADRIX® is the LED lighting controller and software brand.
· It is a feature-rich and intuitive software.
· The application is both an effect generator and media server with outstanding capabilities to display unique real-time effects on your LEDs. Endless stunning and fully customizable visuals are created live by you using pixel mapping (2D), voxel mapping (3D), and the built-in graphics and rendering engine.
· Complementary MADRIX® hardware reliably controls your LED installation via MADRIX® –the centerpiece of our intuitive products. This provides a seamless integration of both software and hardware and high performance.

Features

· Real-time audio analysis
· Support online controller
· Easy to use

Usage

· Effect generator
· Pixel mapper
· Media server
· For LJs, Vjs, and other lighting professionals

Specification

Supported Operating Systems,
· Microsoft® Windows® Vista
· Microsoft® Windows® 7
· Microsoft® Windows® 8
· Microsoft® Windows® 8.1
· Microsoft® Windows® 10
· Compatible with 32 bit and 64 bit

Minimum System Requirements,
· 2.0 GHz dual-core CPU
· OpenGL 2.0 graphics card (NVIDIA recommended)
· 2GB RAM
· 1 GB free hard disk space
· 1280 * 768 screen resolution
· Network card
· Sound card
· USB 2.0

LRS-150   LRS-200   LRS-350

LRS Series
Economical non-PFC models
Miniature size with complete protections
Most economical models with complete safety certificates
LRS-150,3.3V, 5V, 7.5V, 9V, 12V, 15V, 24V, 48V
LRS-200,3.3V, 5V, 7.5V, 12V, 15V, 24V, 27V, 36V, 48V
LRS-350,3.3V, 5V, 7.5V, 12V, 15V, 24V, 27V, 36V, 48V

RSP-150   RSP-200   RSP-320

RSP Series
Built-in active PFC function
Full range input, complete functions
RSP-150,3.3V,5V,7.5V,12V,13.5V,15V,24V,27V,48V
RSP-200,3.3V,5V,7.5V,12V,13.5V,15V,24V,27V,48V
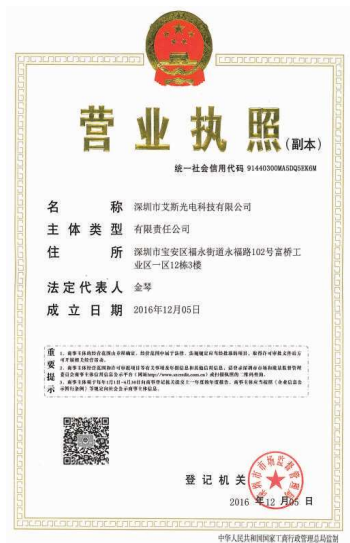RSP-320,3.3V,5V,7.5V,12V,13.5V,15V,24V,36V,48V

CLG-150

CLG Series
Metal case, IP67/IP65 design for indoor and outdoor installations
Built-in active PFC function
Output current adjustable through output cables or internal potentiometer
Suitable for LED lighting and moving sign applications
CLG-150, 12V, 15V, 20V, 30V, 36V, 48V

HLG-240   HLG-320H

HLG Series
95% high efficiency
Metal case, IP67/IP65 design for indoor or outdoor installations
Built-in active PFC function
Built-in 3 in 1 dimming function (1~10VDC, PWM signal or resistance) for B type
Suitable for LED street lighting and moving sign applications
HLG-240, 12V, 15V, 20V, 24V, 30V, 36V, 42V, 48V, 54V
HLG-320H, 12V, 15V, 20V, 24V, 30V, 36V, 42V, 48V, 54V

CE FC RoHS

Certification