LED WALL WASHER   Twilight Z10

INSTRUCTION OF LED WALL WASHER

This product is mainly used for decorating and highlighting in building frame, garden, etc. It can work in independent mode and DMX mode, which can generate various color changing effects, such as flashing, fading, steady ,seven color jumping synchronously etc. (DMX256 class gray degree dimmer, DMX programable thousands of effects. available if many lights being connected together);

A. Specification

A-1. Structure

Materials Of Shell: Stainless steel cover+Aluminum Alloy 6063+PC round tube
Operating Voltage: □24V □100~277V AC
Protection Rating: IP67
Operating Temperature: -20°C~45°C

A-2. Model Configuration Table

Model	LED Quantity	LED Color	Power Consumption	Beam Angle	Size	Weight	√
VVDZOPD80L12	24	W/RGBW	60W	20°/30°/45° /20x40°	L1290xD80mm	4.4±5%kgs	
VVDZOPD80L06	12	W/RGBW	30W		L690xD80mm	2.5±5%kgs	
VVDZOPD80L03	6	W/RGBW	15W		L393xD80mm	1.3±5%kgs	

B. Working mode

B-1. Independent Mode:Choose the build-in programs via the buttons on the back of the head.
B-2. DMX Mode: International standard DMX512 signal.
B-3. Master/Slave Mode: Auto online and synchro working.
B-4. Steady Color Mode:Directly connect outside power supply(pay attention to the matchable of connectors).

C. Function & Setup：

C-1. Independent Mode

After pressing **A** four times (the first three times is the setup on DMX address) or **B** directly,light enter into independent mode;the digital LEDs show **PXY**,press A once, active digital LEDs move backward, you can choose function via **X** and parameter via **Y**;Press **B**,the corresponding flash digital LED increases one bit (range:1~9).
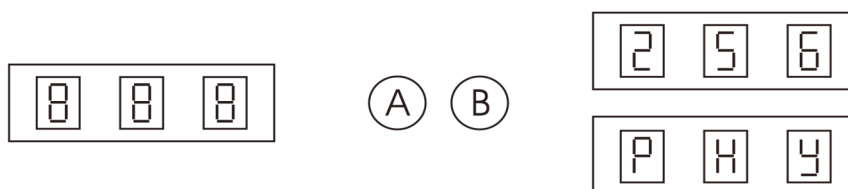
X refers to functions (the value between 1 to U),**Y** refers to value of speed and gray degree for the functions (the value between 1 to 9).When pressing button, please wait for about 10 sec,then you can exit the mode of adjustment function,the digital LED stop flashing and data recorded.

Function and parameter sheet:

X value	Y value
1-static red	1~9 class gray degree
2-static green	1~9 class gray degree
3-static yellow	1~9 class gray degree
4-static blue	1~9 class gray degree
5-static purple	1~9 class gray degree
6-static cyan	1~9 class gray degree
7-staic R+G+B	1~9 class gray degree
8-static white	1~9 class gray degree
9-white+red	1~9 class gray degree
A-white+green	1~9 class gray degree

X value	Y value
B-white+red+green	1~9 class gray degree
C-white+blue	1~9 class gray degree
D-white+blue+red	1~9 class gray degree
E-white+blue+green	1~9 class gray degree
F-white+red+green+blue	1~9 class gray degree
G-multicolor changing	1~9 class speed
H-single fading	1~9 class speed
L -multicolor fading	1~9 class speed
P-multicolor flashing	1~9 class speed
U-autorun	1~9 times circle

C-2. DMX Mode

1. DMX Addressing

When the digital LED is not flashing,press **A**,digital LED begin to flash,press **A** once, active digital LEDs moves backward,you can start to edit the second digital LED;Press **B,** the corresponding flash digital LED increase one bit (the values between 1 to 9).

2. DMX Channel instruction-4 Channels available as sheet:

CHANNEL 1		CHANNEL 2		CHANNEL 3		CHANNEL 4	
Data	Function	Data	Function	Data	Function	Data	Function
0~255	Brightness of Red	0~255	Brightness of Green	0~255	Brightness of Blue	0~255	Brightness of White

***Enter or quit DMX mode automatically once detecting valid signal!!!
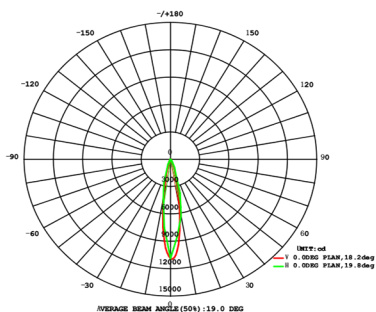
C-3. Master/Slave Mode

Choose any one light as the master for attaining auto online function,the operations are as below:firstly,set the address of master as 001,others are set as slave (address can be any one except 001); Change function of the master (001) light,then all lights will work synchronously;

C-4. Touch Prevention Instructions:

1. Press and hold the A and B keys on the touch display panel simultaneously for 5 seconds to unlock. When display panel blinks, operations can be performed.
2. When touch panel remains stationary for 5 seconds, it will be locked,display panel will stop blinking, then operations cannot be performed.
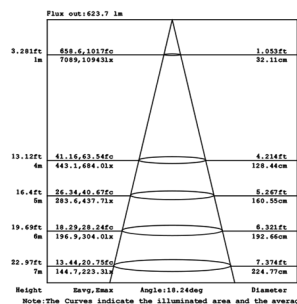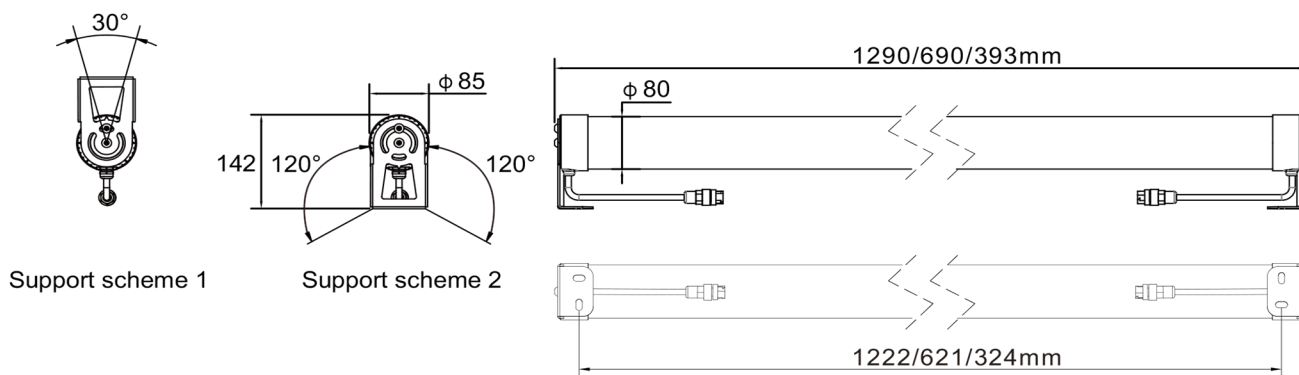
D. Dimension Drawing

D-1. Distribution Curve

LWW-OP-D80-L12

UNIT: cd
— V 0.0DEG PLAN,18.2deg
— H 0.0DEG PLAN,19.8deg

AVERAGE BEAM ANGLE(50%):19.0 DEG

D-2. Illuminance at a distance

Flux out:623.7 lm

| Height | Eavg,Emax | Angle:18.24deg | Diameter |

Note:The Curves indicate the illuminated area and the average

RGBW

E. Photometeric Parameters(Unit:mm)

30°

φ85

φ80

142 120°   120°

1290/690/393mm

Support scheme 1   Support scheme 2

1222/621/324mm

F. Connection Drawing

F-1. Steady color connection:

24VDC type:

N   1
LWW-OP-D80-L12   •••   LWW-OP-D80-L12

N   1
LWW-OP-D80-L12   •••   LWW-OP-D80-L12   Power Supply

100~277V AC type:

1   N
100~277V AC   LWW-OP-D80-L12   •••   LWW-OP-D80-L12
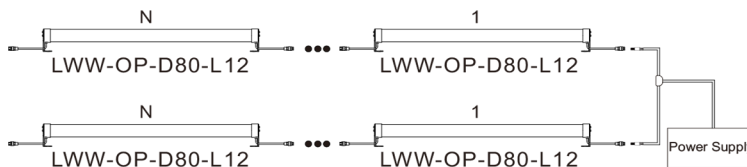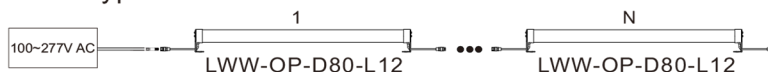
F-2. DMX Control connection:

24VDC type:

DMX Spliter A8   DE3

| | 1 | | 6 | | 7 |
| OP-D80-L12 | | OP-D80-L12 | | OP-D80-L12 |

Power Supply

| N | Break line | 12 |
| OP-D80-L12 | | OP-D80-L12 |

| 1 | | 6 | | 7 |
| OP-D80-L12 | | OP-D80-L12 | | OP-D80-L12 |

Power Supply

| N | Break line | 12 |
| OP-D80-L12 | | OP-D80-L12 |

Connection

100~277V AC type:

DMX Spliter A8   DE3

| 100~277V AC | 1 | | N |
| | OP-D80-L12 | | OP-D80-L12 |

| 100~277V AC | 1 | | N |
| | OP-D80-L12 | | OP-D80-L12 |
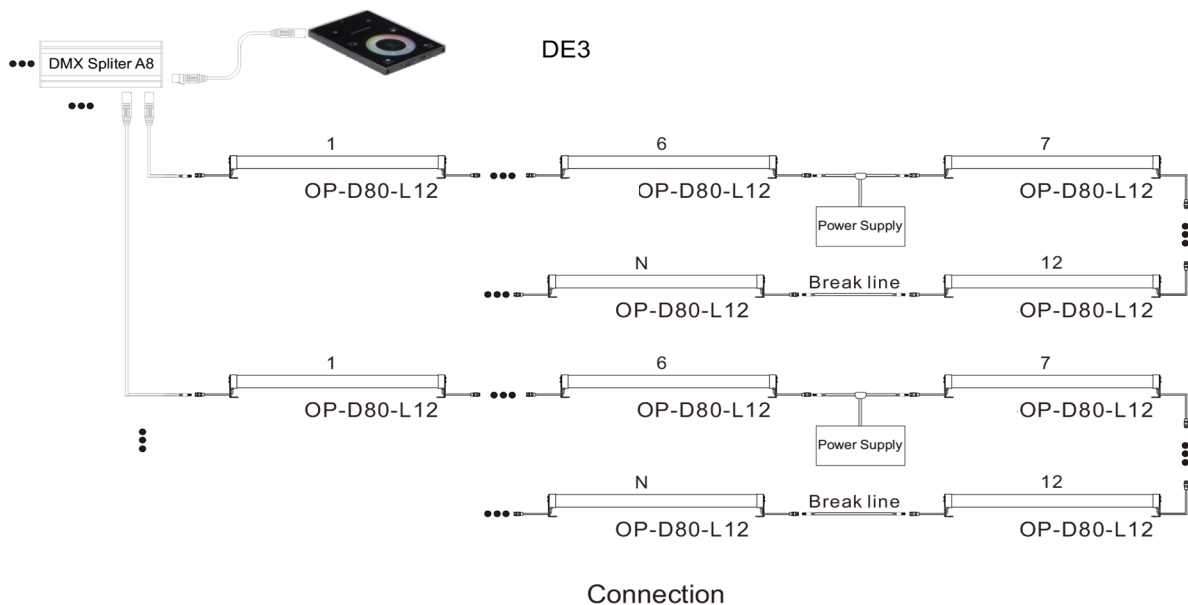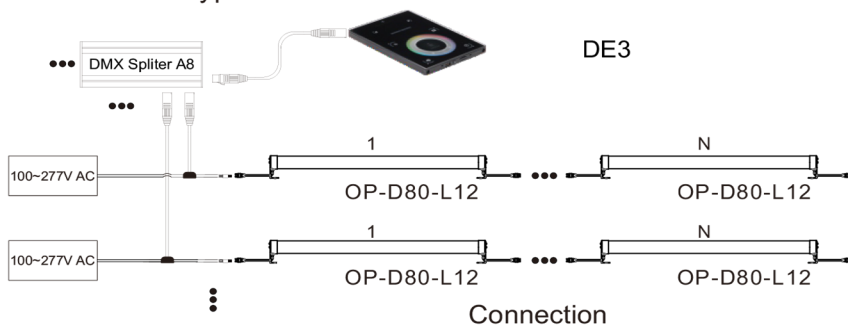
Connection

Mode No	Voltage	Power connection (MAX)	Voltage	Power connection (MAX)	Signal Connection (RGBW:4CH/4ft)
OP-D80-L12-RDM	24V DC	6 PCS	100-277V AC	12 PCS(100-120V) 30 PCS(220-277V)	128 PCS
OP-D80-L6-RDM	24V DC	12 PCS	100-277V AC	26 PCS(100-120V) 60 PCS(220-277V)	256 PCS
OP-D80-L6-RDM	24V DC	24 PCS	100-277V AC	55 PCS(100-120V) 122 PCS(220-277V)	512 PCS
OP-D80-L12-S	24V DC	6 PCS	100-277V AC	12 PCS(100-120V) 30 PCS(220-277V)	-
OP-D80-L6-S	24V DC	12 PCS	100-277V AC	26 PCS(100-120V) 60 PCS(220-277V)	-
OP-D80-L6-S	24V DC	24 PCS	100-277V AC	55 PCS(100-120V) 122 PCS(220-277V)	-

Caution：

1. Do not plug them into power when the product is still in package;
2. Don't use anything to cover the fixture during application;
3. Don't use this product in close environment;
4. If this product appears to be damaged, do not attempt any repair, please contact your dealer.

Warning：

* Please tighten the connection of lamp fittings to avoid the abnormal work of products caused by water inlet; Can not splice the head, will lead to waterproof failure.