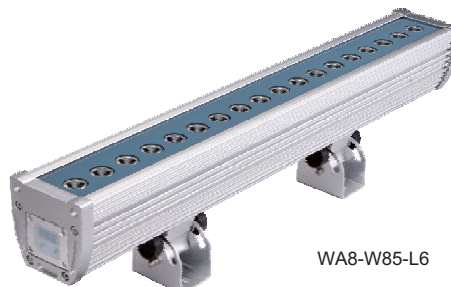# LED WALL WASHER

ITEM NO.: **WA8-W85 Series**

INSTRUCTION OF LED WALL WASHER- WA8-W85

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:

Material of Shell: Aluminum alloy/6063
Rotary angle: 140°
Input Voltage: ☐100~240V ☐100~277V AC
Operating Voltage: 24V DC
Protection Rating: IP65
Operating Temperature: -20℃-40℃

WA8-W85-L6

A-2.Model Configuration Table

Model No.	Size	LED Color	Power consumption	Beam Angel	Weight
WA8-W85-L3	L305xW85.5xH153mm	Single color or DMX RGBW	18W	10°15°20°30°45° 15X50° 20X60°	2.4±0. 05Kgs
WA8-W85-L5	L565xW85.5xH153mm	Single color or DMX RGBW	35W	10°15°20°30°45° 15X50° 20X60°	3.5±0. 05Kgs
WA8-W85-L6	L610xW85.5xH153mm	Single color or DMX RGBW	35W	10°15°20°30°45° 15X50° 20X60°	3.8±0. 05Kgs
WA8-W85-L10	L1105xW85.5xH153mm	Single color or DMX RGBW	65W	10°15°20°30°45° 15X50° 20X60°	5.7±0. 05Kgs
WA8-W85-L12	L1220xW85.5xH153mm	Single color or DMX RGBW	65W	10°15°20°30°45° 15X50° 20X60°	6.0±0. 05Kgs

B. Working Mode:

B-1.Independent Mode:Choose the build-in programs via the buttons on the end cover.
B-2.DMX Mode:International standard DMX512 signal(IP68 connector).
B-3.Master/Slave Mode:Auto online and synchro working.

C. Function & Setup

C-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)；
*** Valid DMX Address:001~510

[8 8 8] (A) (B) [2 5 6]

C-2.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 shows PXY,press A once,active digital LEDs moves backward, you can choose function via X and parameter via Y;
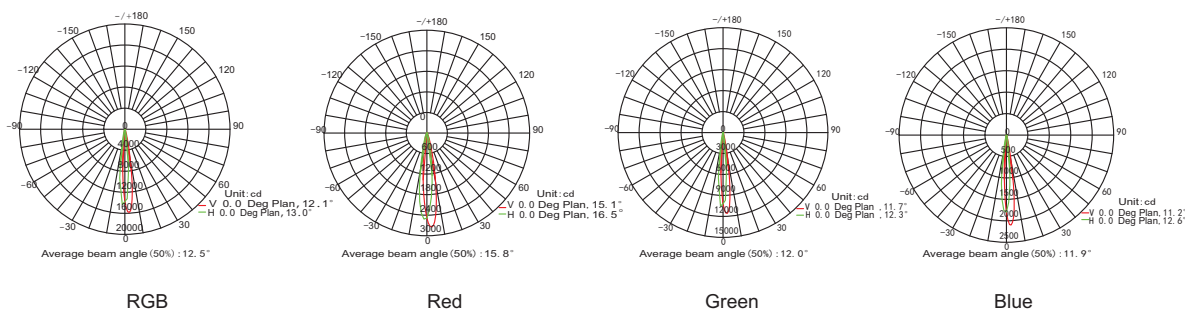Press B, the corresponding flash digital LED increase one bit(range: 1~9)

LED WALL WASHER

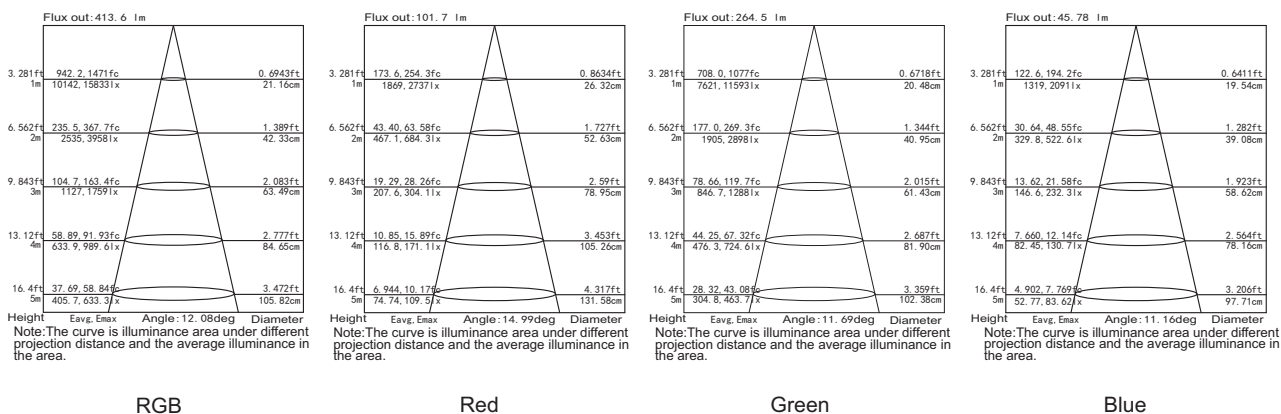*ITEM NO.:* **WA8-W85 Series**

D.Photometric Parameters

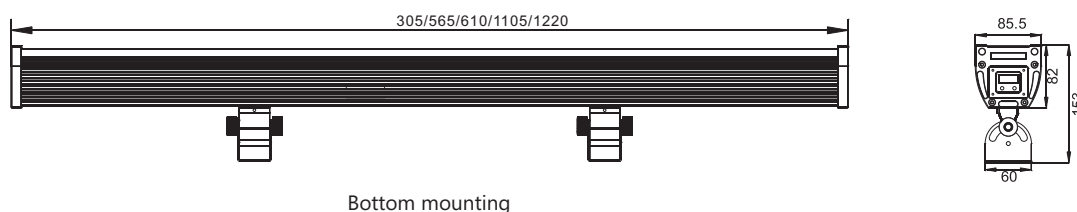### D-1. Cadela Distribution

Test type :WA8-W85-L10

Unit:cd
V 0.0 Deg Plan, 12.1"
H 0.0 Deg Plan, 13.0"
Average beam angle (50%) : 12.5"

RGB

Unit:cd
V 0.0 Deg Plan, 15.1"
H 0.0 Deg Plan, 16.5"
Average beam angle (50%) : 15.8"

Red

Unit:cd
V 0.0 Deg Plan, 11.7"
H 0.0 Deg Plan, 12.3"
Average beam angle (50%) : 12.0"

Green

Unit:cd
V 0.0 Deg Plan, 11.2"
H 0.0 Deg Plan, 12.6"
Average beam angle (50%) : 11.9"

Blue

D-2. Illuminance At A Distance

Test type :WA8-W85-L10

Flux out:413.6 lm

Height	Eavg, Emax		Diameter
3.281ft 1m	942.2, 1471fc 10142, 15833lx	Angle:12.08deg	0.6943ft 21.16cm
6.562ft 2m	235.5, 367.7fc 2535, 3958lx		1.389ft 42.33cm
9.843ft 3m	104.7, 163.4fc 1127, 1759lx		2.083ft 63.49cm
13.12ft 4m	58.89, 91.93fc 633.9, 989.6lx		2.777ft 84.65cm
16.4ft 5m	37.69, 58.84fc 405.7, 633.3lx		3.472ft 105.82cm

Note:The curve is illuminance area under different projection distance and the average illuminance in the area.

RGB

Flux out:101.7 lm

Height	Eavg, Emax		Diameter
3.281ft 1m	173.6, 254.3fc 1869, 2737lx	Angle:14.99deg	0.8634ft 26.32cm
6.562ft 2m	43.40, 63.58fc 467.1, 684.31x		1.727ft 52.63cm
9.843ft 3m	19.29, 28.26fc 207.6, 304.1lx		2.59ft 78.95cm
13.12ft 4m	10.85, 15.89fc 116.8, 171.1lx		3.453ft 105.26cm
16.4ft 5m	6.944, 10.17fc 74.74, 109.5lx		4.317ft 131.58cm

Note:The curve is illuminance area under different projection distance and the average illuminance in the area.

Red

Flux out:264.5 lm

Height	Eavg, Emax		Diameter
3.281ft 1m	708.0, 1077fc 7621, 11593lx	Angle:11.69deg	0.6718ft 20.48cm
6.562ft 2m	177.0, 269.3fc 1905, 2898lx		1.344ft 40.95cm
9.843ft 3m	78.66, 119.7fc 846.7, 1288lx		2.015ft 61.43cm
13.12ft 4m	44.25, 67.32fc 476.3, 724.61x		2.687ft 81.90cm
16.4ft 5m	28.32, 43.08fc 304.8, 463.7lx		3.359ft 102.38cm

Note:The curve is illuminance area under different projection distance and the average illuminance in the area.

Green

Flux out:45.78 lm

Height	Eavg, Emax		Diameter
3.281ft 1m	122.6, 194.2fc 1319, 2091lx	Angle:11.16deg	0.6411ft 19.54cm
6.562ft 2m	30.64, 48.55fc 329.8, 522.61x		1.282ft 39.08cm
9.843ft 3m	13.62, 21.58fc 146.6, 232.31x		1.923ft 58.62cm
13.12ft 4m	7.660, 12.14fc 82.45, 130.71x		2.564ft 78.16cm
16.4ft 5m	4.902, 7.769fc 52.77, 83.62lx		3.206ft 97.71cm

Note:The curve is illuminance area under different projection distance and the average illuminance in the area.

Blue

E. Dimension Drawing:
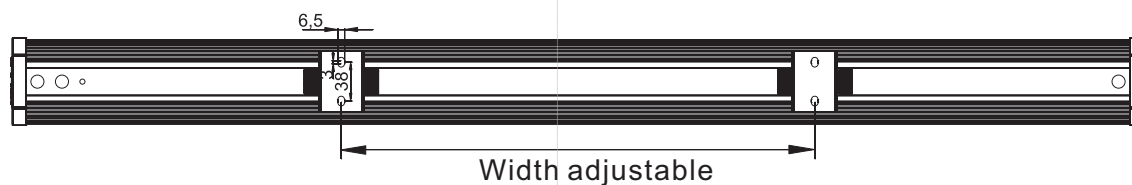

305/565/610/1105/1220

Bottom mounting

85.5

82

153

60

LED WALL WASHER

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F. Installation Drawing:

Fix the brackets via M8 tapping screw,mounting size as below:

6.5

38

Width adjustable

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:

* Neglect on action of the above treatment will lead to failure of waterproof and proper working of the lights!!!

* Make sure the ground connection well avoid electric shock, due to metal housing.

illuminFx Lighting Systems
Rochester, NY 14606
www.illuminfx.com

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