

WA8 Wall Washer

Installation Guide

BEFORE YOU BEGIN, READ INSTALLATION INSTRUCTIONS THOROUGHLY

The WA8 series from IlluminFx is used for decorative outdoor lighting. It can work in stand alone mode or in conjunction with an IlluminFx Spectrum Select DMX controller.

- Install in accordance with the National Electric Code and local regulations
- This product is intended to be installed and serviced by a qualified, licensed electrician.
- DO NOT connect WA8 directly to 120VAC power
- DO NOT submerge WA8 in liquids. DO NOT install near chemically treated water or salt water.
- Ensure applicable wire is installed between driver, fixture, and any controls in between. When choosing wire, factor in voltage drop, amperage rating, and type.
- Do not cover WA8 or install into a closed environment.

SPECIFICATION

Material: Aluminum Alloy/6063

Rotation Angle: 180°

Input Voltage: 24VDC

Protection Rating: IP65

Operating Temp: -4-104°F



MODEL NUMBER	DIMENSIONS	LED TYPE	WATTAGE	BEAM ANGLE*	WEIGHT
WA8-L241-2DZ*-S-06DMX	L22.64"xW3.1" / 5.79"x H4.65" / 2.75"	RGBW (4in1)	23 Watts	Available in 15° / 30° / 40° / 15x35°	5.3lbs
WA8-L481-2DZ*-S-06DMX	L43.90"xW3.1" / 5.79"x H4.65" / 2.75"	RGBW (4in1)	45 Watts	Available in 15° / 30° / 40° / 15x35°	9.5lbs

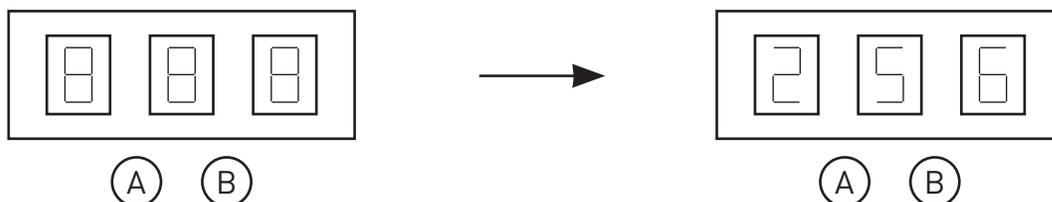
WORKING MODES

1. **DMX Mode** - International standard DMX 512. Used with Spectrum Select IFX DMX controller (sold separately)
2. **Stand Alone Mode** - Choose from the built in programs via the buttons on the end cover
3. **Master/Slave Mode** - One fixture will serve as the master and will control other WA8 fixtures connected to it.

FUNCTION AND SETUP

1. DMX Addressing

- a. First, power on the WA8 fixture. On one end of the fixture is a digital screen and two buttons.
- b. Press **button A** once to begin setup. This will make the first LED position begin to flash.
- c. Keep pressing **button A** to select the desired number (from 0-9).
- d. Once the first number is correct, press **button B** to move over to the next number, and it will begin to flash.
- e. Press **button B** to select the desired number (from 0-9).
- f. Repeat this process for the last number (below shows an address setting of 256)



FUNCTION AND SETUP CONT.

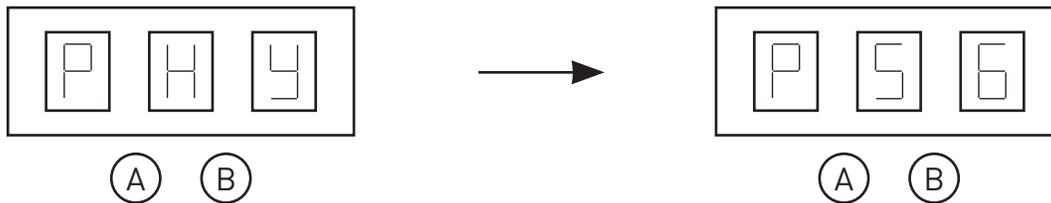
2. STAND ALONE MODE

- After pressing **button A** 4 times, or pressing **button B** once, the WA8 enters into Stand Alone Mode.
- The digital LED screen will read PXY, and the second character (X) will begin to flash.
- By pressing **button B** you cycle through the 12 different lighting functions of the WA8 (1-9 & A-C).
 **see table below for the different mode options.
- Pressing button A will move over to the last character which either controls the brightness or speed of the mode.
- Press **button B** to select the desired speed or brightness (from 0-9).

see example below. Example shows a WA8 set to **Stand Alone Mode of **Static Purple** at a brightness of 6.

X - VALUE	Y - VALUE
1 - Static Red	1-9 : Brightness level
2 - Static Green	1-9 : Brightness level
3 - Static Yellow	1-9 : Brightness level
4 - Static Blue	1-9 : Brightness level
5 - Static Purple	1-9 : Brightness level
6 - Static Cyan	1-9 : Brightness level

X - VALUE	Y - VALUE
7 - Static White	1-9 : Brightness level
8 - 7 color Jump	1-9 : Speed level
9 - 7 color Fade	1-9 : Speed level
A - Multicolor Fade	1-9 : Speed level
B - Multicolor Flash	1-9 : Speed level
C - Autorun (cycles all modes)	1-9 : Speed level



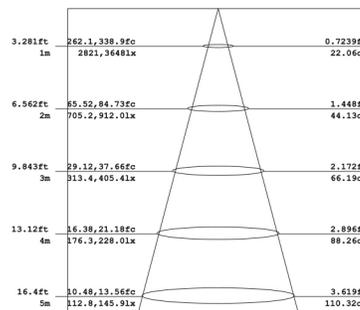
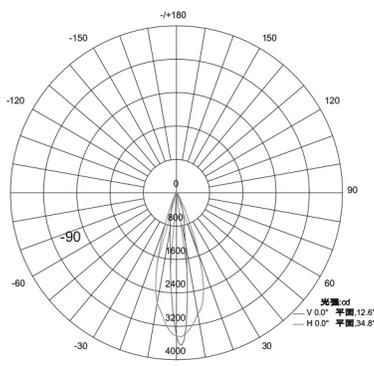
3. MASTER/SLAVE MODE

This mode is used to make all WA8 fixtures connected together operate together. This mode combines the DMX addressing and Stand Alone capabilities of the WA8 fixture.

- Set the first WA8 fixture as DMX address 001. This will make it the MASTER in the line of WA8s.
- The rest of the WA8s connected to the MASTER fixture can be set to any DMX address EXCEPT 001.
- You then set the Stand Alone Mode you want on the MASTER fixture and the rest of the fixtures connected via the data cables on the WA8 will all sync up and perform the same mode.

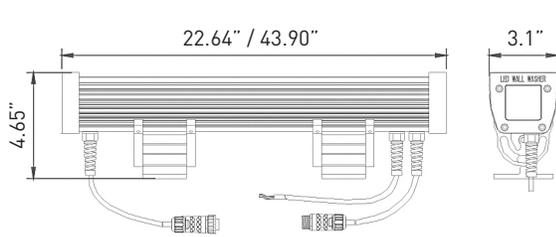
PHOTOMETRIC PARAMETERS

- Candela Distribution
- Illumination at a Distance

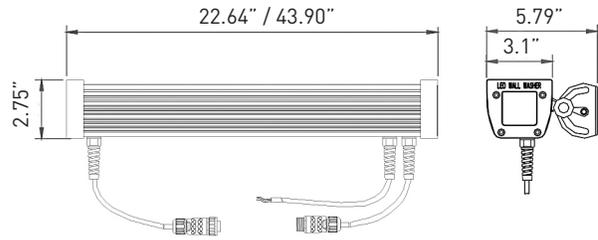


DIMENSIONAL DRAWINGS

1. WA8 FIXTURE



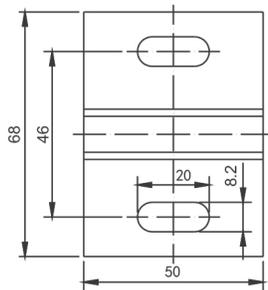
WA8 : Bottom mounting bracket



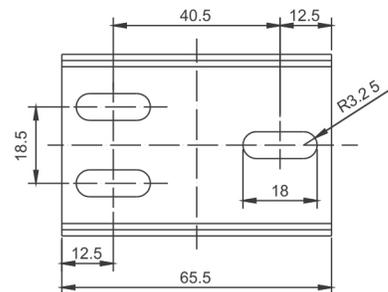
WA8 : Side mounting bracket

2. INSTALLATION BRACKET

Attach the brackets using M4 tapping screws (by others).



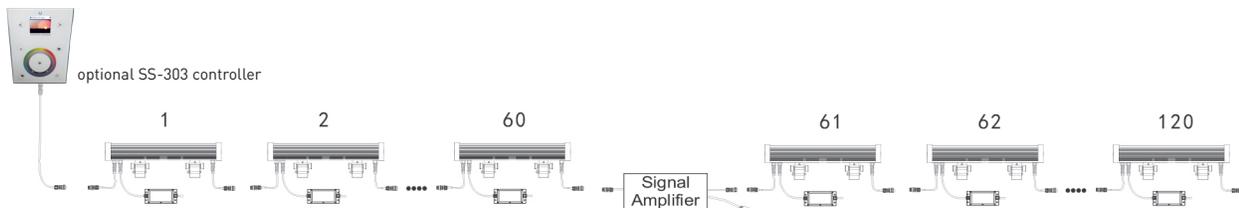
WA8 : Bottom mounting bracket



WA8 : Side mounting bracket

CONNECTIONS

1. There is a maximum signal connection of 250' or 60 fixtures. Every additional fixtures past 250' or 60 fixtures, a signal amplifier is required.
2. Max wattage is determined by max wattage of the 24VDC power supply used.
3. Optional Spectrum Select DMX controller : **SS-303**.



FOR MORE INFORMATION

Contact illuminF_x Lighting Systems:

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Rochester, NY 14606

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www.illuminfx.com
info@illuminfx.com



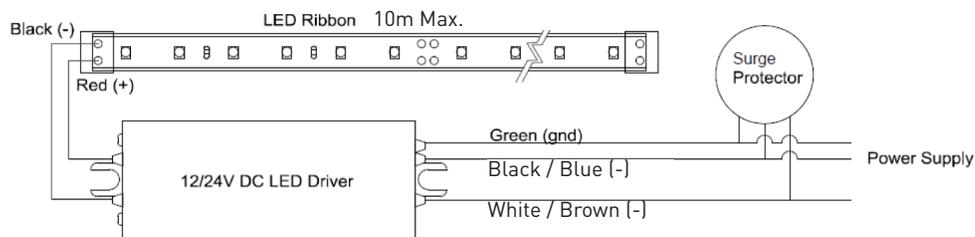
POWER SUPPLY

SlimFlex LED tape light operates on either 12 or 24v DC; please check specific SlimFlex type for correct voltage. It is important to use a regulated DC power supply such as **illuminFx's CV and MD series power supplies**.

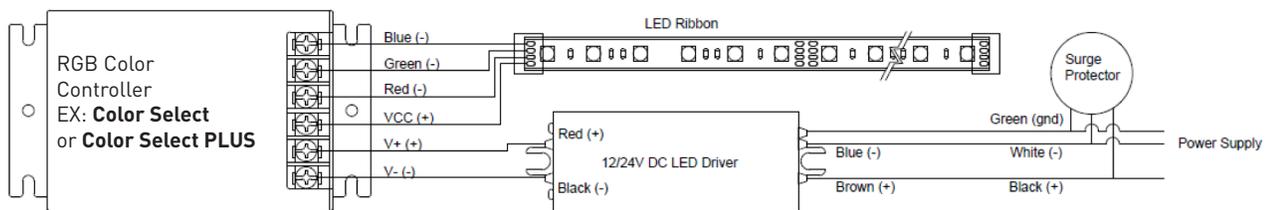
Please remember that this is a low voltage product and consult electrical codes when selecting appropriate wire. Power draw restricts the maximum length of SlimFlex (2 spools or 10m). **CAUTION : DO NOT** exceed maximum length. Doing so will result in SlimFlex failures.

COMPONENT INSTALLATION GUIDES

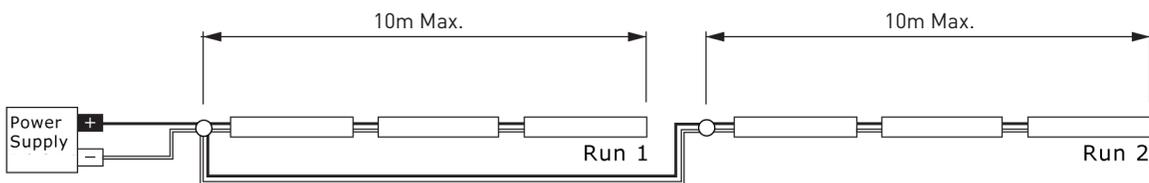
Single Color LED SlimFlex



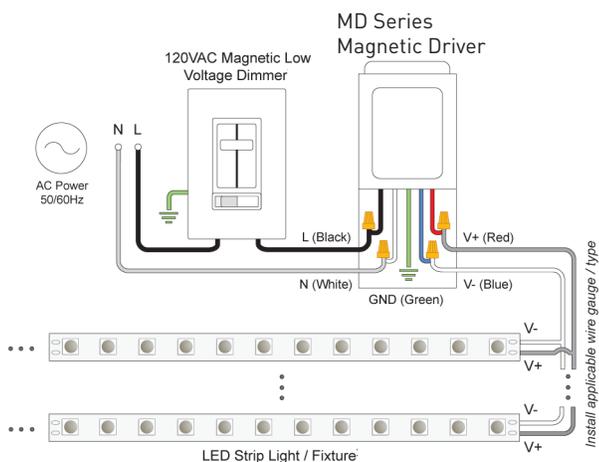
RGB SlimFlex



Single Color LED SlimFlex - Multiple Runs from Same Power Supply



Single Color LED SlimFlex - Magnetic Dimmable Power Supply (see additional MD series cut sheets)



TROUBLESHOOTING

Before troubleshooting, ensure all items are compatible and the main power is turned ON

Loss of brightness in a run

Review maximum series run limits. Exceeding these limits will cause excess voltage drop, decreasing brightness as the run is extended.

Some LEDs are not functioning

Ensure all connections have been properly attached. Ensure each run of SlimFlex has not been bent excessively, which may cause components such as solder joints to detach from the board.

Lights are flickering

If using a dimmable system with a MD series driver, check applicable cut sheets to ensure you are using a correct dimmer. If lighting continue to flicker, check for loose connections.

Lights are turning on/off repeatedly

Ensure the driver is not overloaded. An overloaded driver will trip the internal auto-reset repeatedly

RGB SlimFlex won't power on

RGB SlimFlex has 4 wires, all of which need to be going to the correct locations on the color controller. The black wire is the common wire, if it is not connected or loose, no power will make it to the LEDs.

RGB SlimFlex isn't showing a certain color or wrong color

Make sure you have the red wire going to the red input of the color controller. Same goes for blue, and green. If one isn't connected you will not get the color and if some are connected to the incorrect spot, you will get colors you weren't expecting.

FOR MORE INFORMATION

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