

Project Name:	Fixture Type:
Complete Catalog #:	Date:
Comments:	

## ASTRAFIRE CASCADE FIXTURE



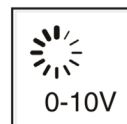
The **Astrafire Cascade Fixture** is an architectural wall washer family of RGB & RGBW luminaires that provide colorful accents to commercial buildings, bridges, landscapes, artwork, and more. The fixtures are up to 140W and support DMX512 / RDM, color changing, color tuning, DALI2, and 0-10V controls. The DMX mode can generate various color changing effects, including flashing, fading, steady, and seven color jumping synchronously. DMX256 class gray degree is dimmable and DMX programmable. High-quality LED chips are available through EPISTAR, OSRAM, CREE, San'an, Bridgelux, and Lumileds. The fixtures are IP65 rated, IK08 rated, and cETLus listed.

### FEATURES

- Up to 140W
- Controls include: DMX512 / RDM, color changing, color tuning, DALI2, and 0-10V.
- DMX can generate various color changing effects, including flashing, fading, steady, and seven color jumping synchronously.
- DMX256 class gray degree is dimmable and DMX programmable.
- RGB and RGBW models available.
- cETLus listed
- IP65 rated
- IK08 rated
- Detachable brackets for easy installation
- Optional optic lens

### APPLICATIONS

- Building accent lighting
- Landscape
- Signage
- Bridges
- Artwork



## ORDERING INFORMATION

MODEL #	POWER	LUMENS AT FULL POWER	COLORS	LENGTH (INCH-ES)	BEAM ANGLE (DEGREES)	GROSS-WEIGHT (LBS)	MINIMUM ORDER QUANTITY	US STOCK
ECO-ASTRA-JT-R14-40W-1+RGBW	40W	1,400	RGBW	13.0"	15/30/45/60, 15x55, 20x40	6.6	2	Y
ECO-ASTRA-JT-R14-70W-2+RGB	70W	2,100	RGB	25.2"	15/30/45/60, 15x55, 20x40	14.1	2	Y
ECO-ASTRA-JT-R14-140W-3+RGBW	140W	3,800	RGBW	48.8"	15/30/45/60, 15x55, 20x40	22.0	2	Y

## TECHNICAL SPECIFICATIONS

LED Brands	EPISTAR, OSRAM, CREE, San'an, Bridgelux, Lumileds
Lumens	Up to 3,800
Input Voltage	100-277VAC
Operating Temperature	-4° to 113° F
Controls	DMX512 / RDM, color changing, color tuning, DALI2, and 0-10V. DMX can generate various color changing effects, including flashing, fading, steady, and seven color jumping synchronously. DMX256 class gray degree is dimmable and DMX programmable.
Power Frequency	50-60Hz
Beam Angles	10/15/20/30/45/60, 15x55
Certifications	cETLus, FCC, IK08
Housing Material	Aluminum alloy / 6063
IP Rating	IP65
Luminaire Rotation Angle	110°
Warranty	10 years or 50,000 hours non-prorated

\*Data is based upon tests performed in a controlled environment and representative performance. Actual performance can vary depending on operating conditions. Specifications are subject to change without notice. All specifications are nominal unless otherwise noted.

\*IES files provided on request.

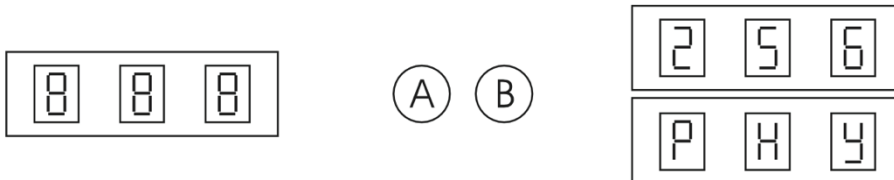
## CONTROLS

Control Options: DMX512 / RDM, color changing, color tuning, DALI2, and 0-10V. DMX can generate various color changing effects, including flashing, fading, steady, and seven color jumping synchronously. DMX256 class gray degree is dimmable and DMX programmable.

### Control Modes:

A. Independent Mode: Choose the built-in programs via the buttons on the end cover.

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 c), **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

X value	Y value
7-static white	1~9 class gray degree
8-multicolor changing	1~9 class speed
9-single fading	1~9 class speed
A-multicolor fading	1~9 class speed
B-multicolor flashing	1~9 class speed
C-autorun	1~9 times circle

B. DMX Mode: International standard DMX512 signal (IP68 connectors).

#### 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-3 Channels available as sheet:

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

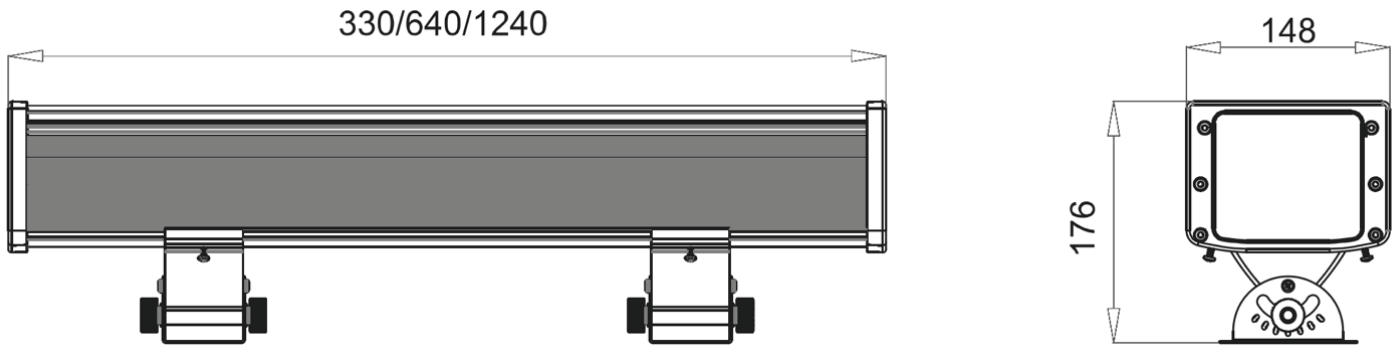
\*\*\*Enter or quit DMX mode automatically once detecting valid signal!!!

C. Master/Slave Mode: Auto online and synchro operation.

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

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## DIMENSIONS

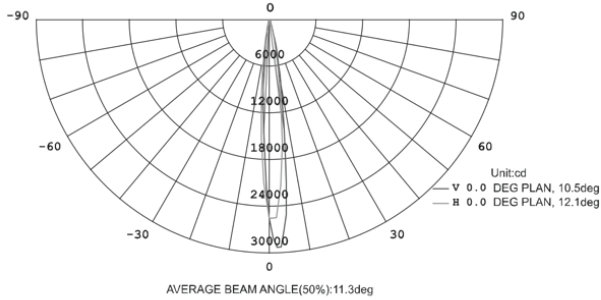


## PHOTOMETRICS

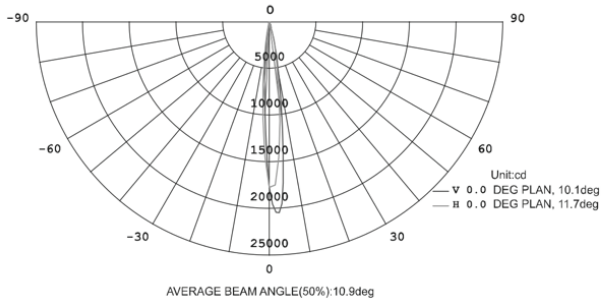
### Beam Angle



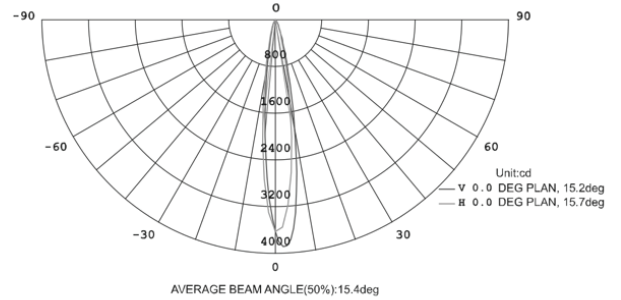
### 70W Beam Angle 10 degrees Candela Distribution:



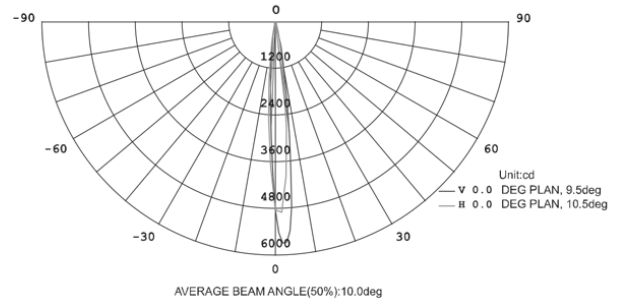
White



Green



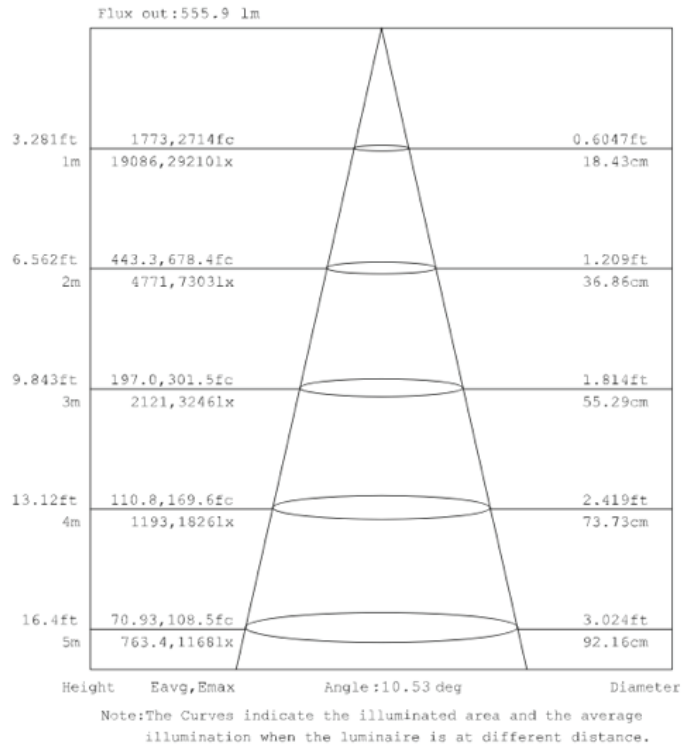
Red



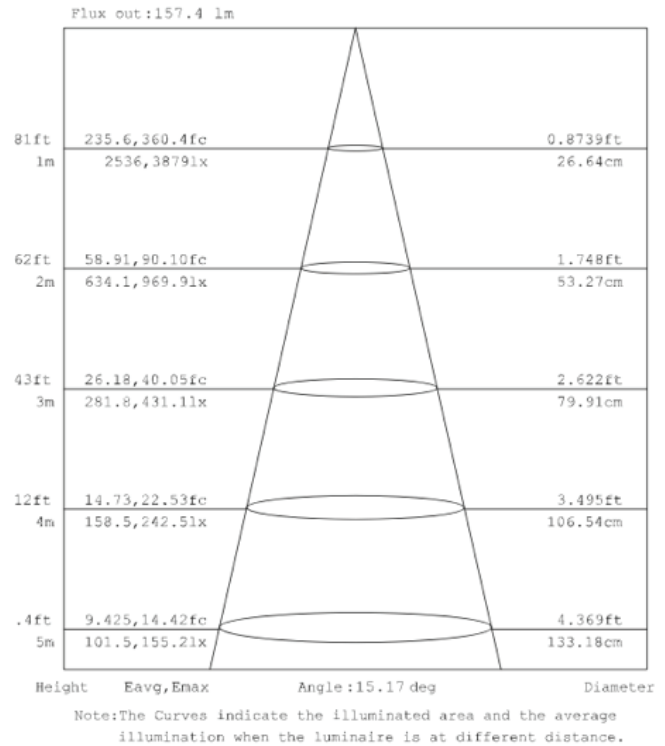
Blue

## PHOTOMETRICS

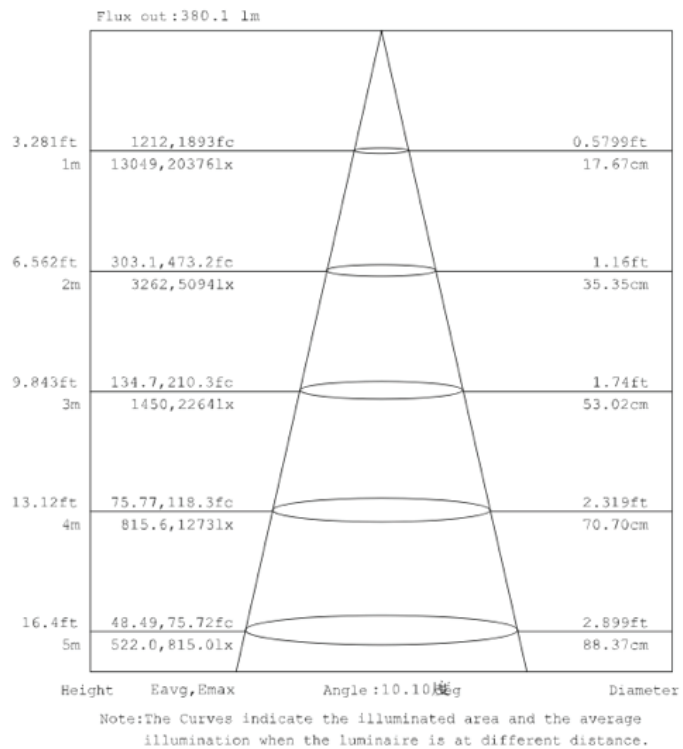
### 70W Beam Angle 10 degrees Illuminance At A Distance:



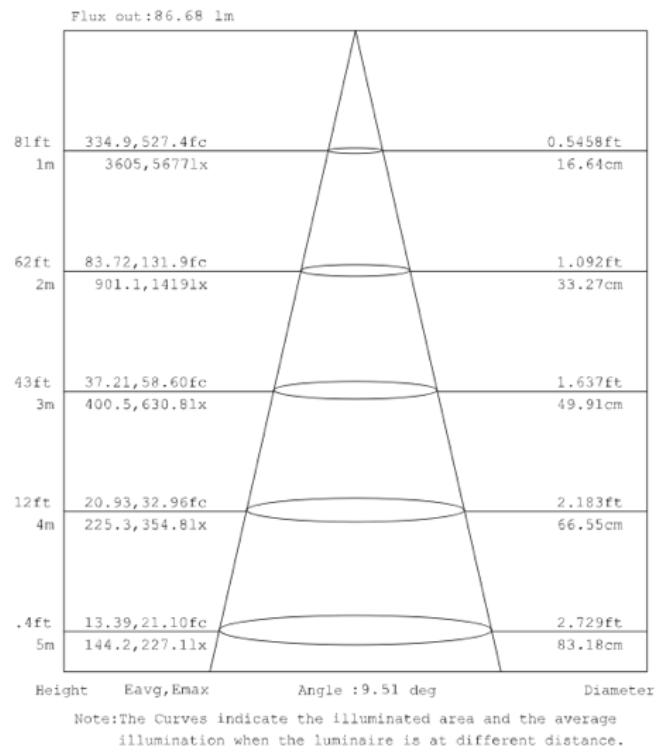
White



Red



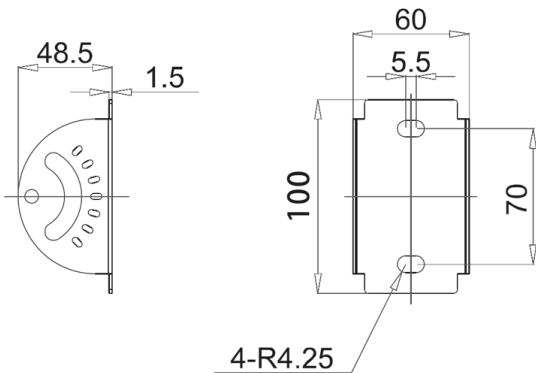
Green



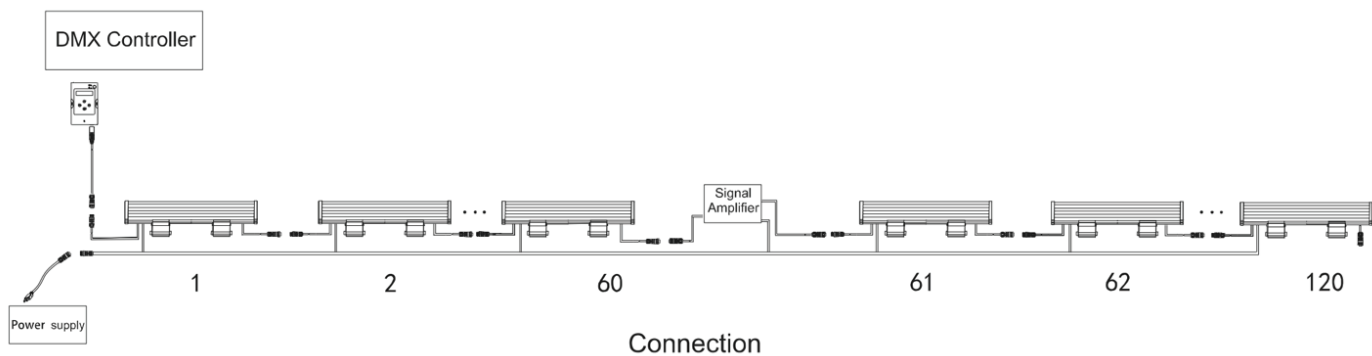
Blue

## INSTALLATION INSTRUCTIONS

Mount the brackets using M8 bolts, mounting bracket dimensions are shown below.

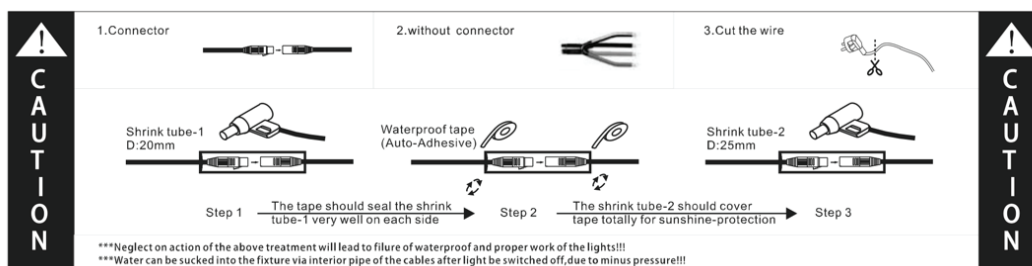


## CONNECTION



Maximum signal cable length is 100m. Every 100m or 60 fixtures connected needs a signal amplifier.  
Optional controller: Sunlite, DMX-192C, Madrix, and other DMX controllers.

The signal output connector XLR-3 of the last fixture of each series must be sealed with a 20mm thermal shrinking stube(-1), blow and shrink it with a hair driers;thence wrapped with waterproof tape (auto-adhesive, please refer to below instruction for operation) on both side; Blow the second 25mm shrink tube(-2) at last so as to protect waterproof tape under sunshine and guarantee the waterproof validity.



\*\*\* Power connector should be treated in the same way if available!!!  
\*\*\* IP68 connector does not require above treatment ,but you connect a threaded twist quite well to prevent operational errors lead to joint water

### Warnings:

- Do not plug them into power when the product is still in the package.
- Don't use anything to cover the fixture when installed.
- Don't use this product within an enclosed environment.
- If this product appears to be damaged, do not use.
- Make sure the fixtures are well grounded to avoid electric shock due to the metal housing.