



## ▼ Characteristic

1. Precise Optics
  - Advanced lens and reflector system with customizable beam angles (e.g., 3°, 5°, 10°, 30°, 60°).
  - Uniform illumination with minimal glare.
2. Flexible Customization
  - Multiple mounting options and accessories (anti-glare shields, honeycomb louvres).
  - Dimmable and smart system compatible (e.g., DALI, DMX512).
3. Durable Build
  - IP66-rated for water/dust resistance, IK08 impact protection.
  - Operates reliably in -20°C to +40°C environments.
4. Energy Efficient & Eco-friendly
  - High-efficiency LEDs with 50,000+ hours lifespan.
  - Modular, recyclable design with low energy consumption.
5. Versatile Applications
  - Perfect for facades, bridges, landscapes, and commercial spaces.
  - Adjustable lighting effects for diverse project needs.



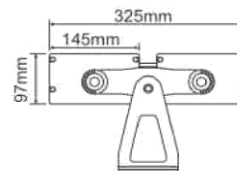
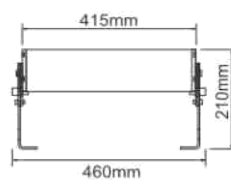
## ▼ Application

Outdoor Occasion such as Building Facades, Bridges, Gardens and Green Spaces, Landmark Features, Commercial Areas, Water Features, Theme Parks and Entertainment Facilities, Urban Streetscapes, Airports and Stations, Sports Venues and etc.

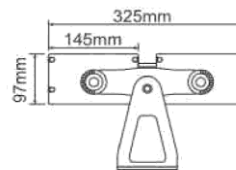
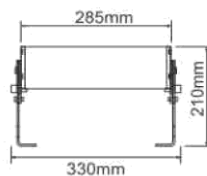
▼ "Non-dim/dim" and "Mono/Tunable white/chromatic" is available, PIs confirm before ordering.



## ▼ Family Matrix ( Two sizes )



**FL-12A-216**



**FL-12A-120**

## ▼ Simulation

## ▼ Project



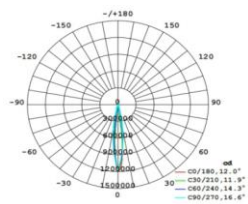
## ▼ Technical Data (full sery)

Model	SIZE (mm)	POWER (W/M)	CRI	CCT (K)	LUMINOUS (LM/W)	B.angle	VOLT	Control	N.G	Remark
FL-12A-216	L415xW325xH210mm	216 W	> 80	3000K-5700K	<b>120 LM/W</b>	3/5/15/45/10x30°	AC85-265V	ON/OFF	/	Standard 1m cable
FL-12A-280	L415xW325xH210mm	280 W	/	Chromatic (RGB)	<b>45 LM/W</b>	3/5/15/45/10x30°	AC85-265V	DMX512	/	Standard 1m cable
FL-12A-324	L415xW325xH210mm	324 W	/	Chromatic (RGBW)	<b>45 LM/W</b>	3/5/15/45/10x30°	AC85-265V	DMX512	/	Standard 1m cable
FL-12B-120	L285xW325xH210mm	120 W	> 80	3000K-5700K	<b>120 LM/W</b>	3/5/15/45/10x30°	AC85-265V	ON/OFF	/	Standard 1m cable
FL-12B-180	L285xW325xH210mm	180 W	/	Chromatic (RGB)	<b>45 LM/W</b>	3/5/15/45/10x30°	AC85-265V	DMX512	/	Standard 1m cable
FL-12B-216	L285xW325xH210mm	216 W	/	Chromatic (RGBW)	<b>45 LM/W</b>	3/5/15/45/10x30°	AC85-265V	DMX512	/	Standard 1m cable

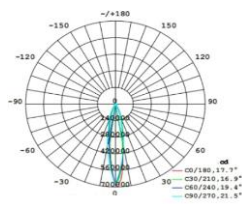
### I+Notes:

1. Finish: Black, and customized RAL available
2. It has two different sizes from 120W-216W.

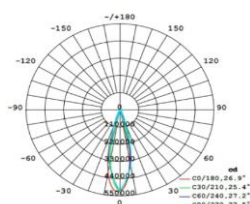
## ▼ Photometric curve



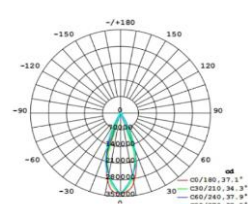
15°



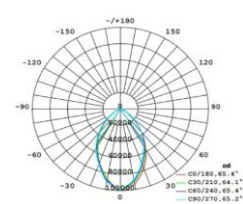
20°



30°



40°



60°

### ▼ Naming scheme

**FL-01A-12**

