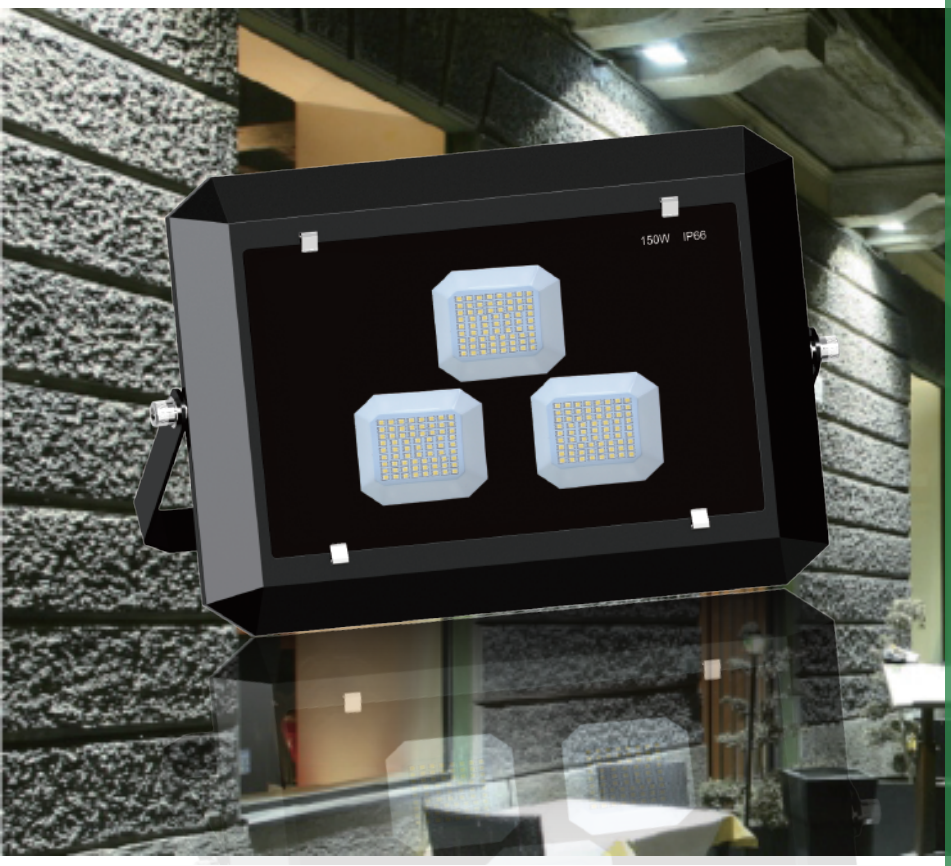
POWERLED®

# FJ153-150W




## LED FLOOD LIGHT

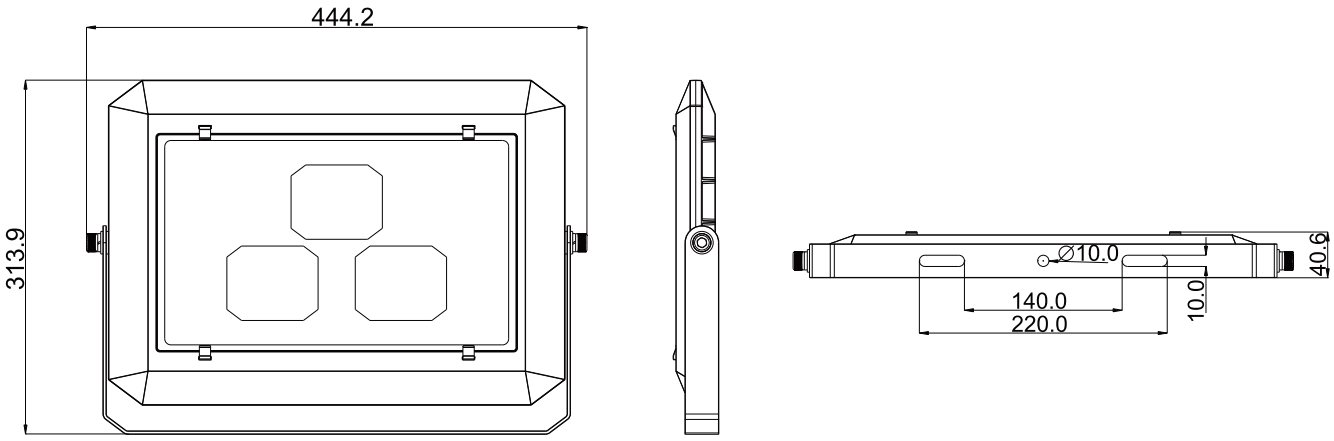
FG

- With advanced High voltage linear constant current drive technology, without electrolytic capacitor, drastically reducing the components, improving the reliability and life time, the optimal cost-effective method.
- With input under-voltage protection, input over-voltage protection, over-temperature protection, and other functions, to keep the product reliable.
- Comply with 4 kv surge resistance level, with resistance to high and low temperature shock, applicable to outdoor harsh environment.
- With waterproof degassing valve, to balance the air pressure difference inside and outside of luminaries, and to prevent siphoning, with IP66 protection level.
- High power factor, high efficiency, high CRI, low degradation.
- Beautiful, simple, unique shape, and with a number of patent protection.
- Product is thin and light, easy to packing,shipping, install and use.

## Specification:

| Item No | specification | input voltage | input power | power Factor | CCT | luminous flux | CRI | beam angle |
|---|---|---|---|---|---|---|---|---|
| FJ153 | 150W | AC220V/50Hz | 150W | ⩾0.9 | WW（3000K） | 16500LM | Ra70 | 110° |
| FJ153 | 150W | AC220V/50Hz | 150W | ⩾0.9 | NW（4000K） | 17250LM | Ra70 | 110° |
| FJ153 | 150W | AC220V/50Hz | 150W | ⩾0.9 | PW（6000K） | 18000LM | Ra70 | 110° |

## Product size



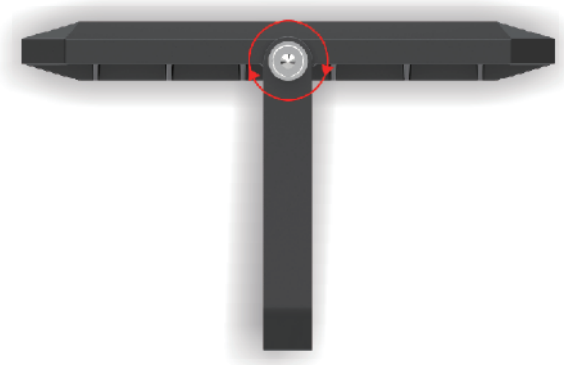

## Product Advantage

### High Trightness 2835 LED chip

Use high quality 2835 LED chip as light source,high light efficiency,>50000hours。

### Bracket can be adjustable-with degree of 360°

Easy to install,suitable for the harsh environments.

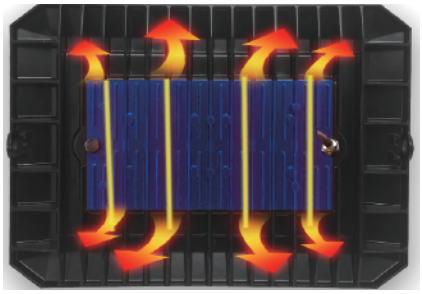


### Slim and lighter

Gorgeous looking,lighter and slimmer make the shipping cost decrease greatly.

### Excellent heat Dissipation

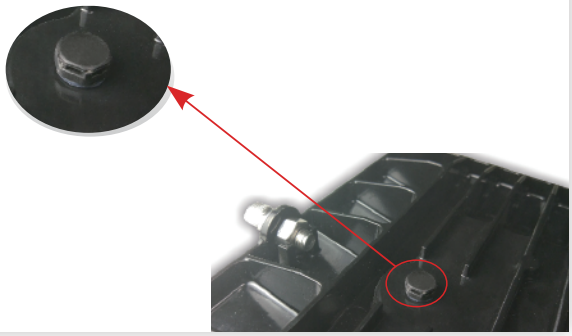
High Tech mental structure(ADC12),Super performance for heat transmission and dissipation.
Airline standard aluminum,US and Europe level to ensure high standard of heat dissipation,stability,long lifespan..



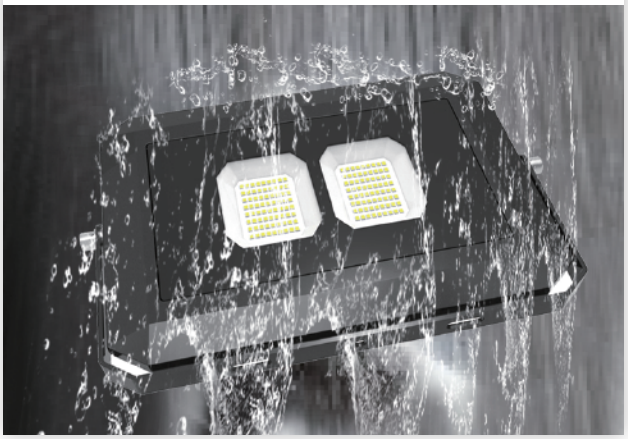
## Product Advantage

### Breather

Balance the pressure between inside and outside of the lights, avoid fog and suitable for terrible outdoor environment.

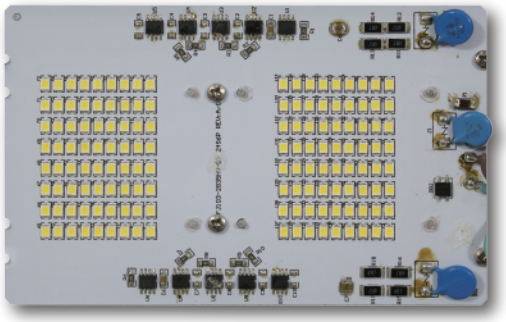


### Waterproof IP66



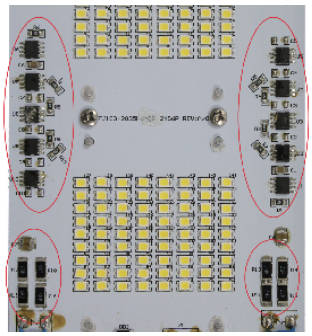
### Long Lifespan

Adopting high voltage and constant current driver technology, off Electrolytic capacitors design solved lifetime problem, increase lifespan greatly.



### Competitive Price

New driver technology,decreasing electronic component,adopting automatic SMD mounted technology to produce effectively and save labor,high performance with competitive price.



### Stable Usage

High temperature automatic drop down system,even work at 100°C in a short time,the lights won't break.

### Prefect Appearance

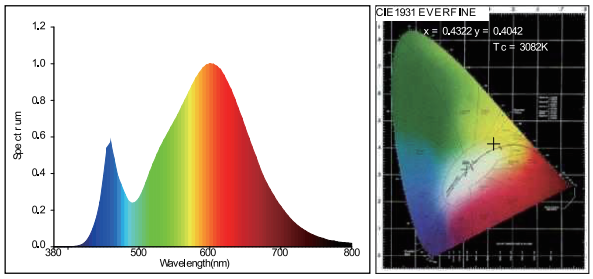
Delicate appearance,patent protection.

## Package Dimension

| Item No | Net Weight | box | | | carton | | |
|---|---|---|---|---|---|---|---|
| | | Measurement | Gross weight | pcs/box | Measurement | Gross weight | pcs/Carton |
| FJ153 | 3.8Kg | L450*W50*H322(mm) | 4.0kg | 1 | L465*W320*H340(mm) | 25.5kg | 6 |
| | | | | | | | |
| | | | | | | | |

# Light Characteristics

## WW

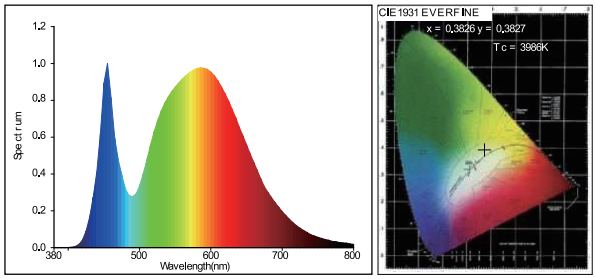



Color Parameters:

Chromaticity Coordinate:x=0.4322 y=0.4042/u'=0.2475 v'=0.5207
Tc=3082K Dominant WL:Ld=582.2nm Purity=51.1% Centroid WL:590.0nm
Ratio:R=23.8% G=73.6% B=2.6% Peak WL:Lp=600.0nm HWL:139.1nm
Render Index:Ra=81.7

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| R1=80 | R2=90 | R3=97 | R4=77 | R5=79 | R6=86 | R7=84 | |
| R8=61 | R9=12 | R10=76 | R11=72 | R12=63 | R13=82 | R14=98 | R15=74 |

## NW

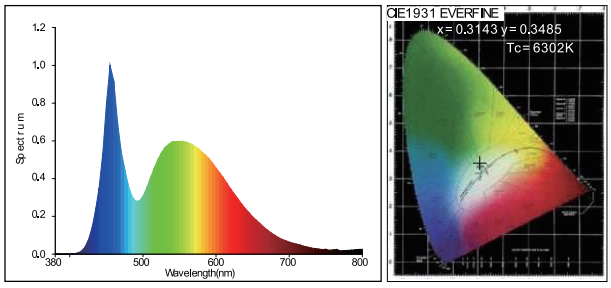



Color Parameters:

Chromaticity Coordinate:x=0.3826 y=0.3827/u'=0.2242 v'=0.5045
Tc=3986K Dominant WL:Ld=578.0nm Purity=29.7% Centroid WL:573.0nm
Ratio:R=19.2% G=77.7% B=3.1% Peak WL:Lp=455.0nm HWL:26.9nm
Render Index:Ra=79.8

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| R1=78 | R2=86 | R3=91 | R4=77 | R5=76 | R6=79 | R7=87 | |
| R8=65 | R9=7 | R10=64 | R11=72 | R12=51 | R13=79 | R14=95 | R15=73 |

## PW

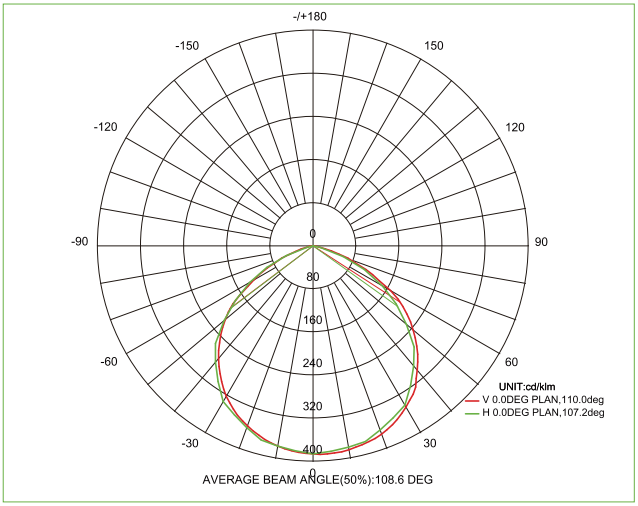



Color Parameters:

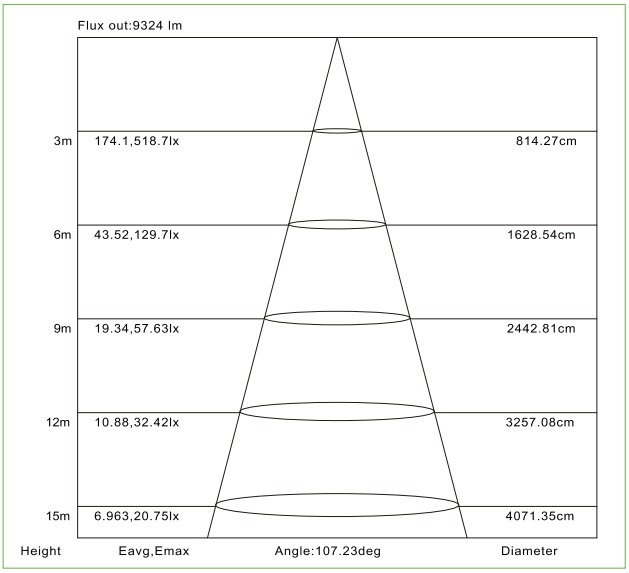
Chromaticity Coordinate:x=0.3143 y=0.3485/u'=0.1918 v'=0.4786
Tc=6302K Dominant WL:Ld=502.4nm Purity=5.8% Centroid WL:543.0nm
Ratio:R=13.2% G=81.7% B=5.2% Peak WL:Lp=455.0nm HWL:28.4nm
Render Index:Ra=80.6

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| R1=72 | R2=85 | R3=91 | R4=72 | R5=75 | R6=80 | R7=86 | |
| R8=65 | R9=-23 | R10=64 | R11=67 | R12=57 | R13=75 | R14=95 | R15=70 |

## Radiation Diagram

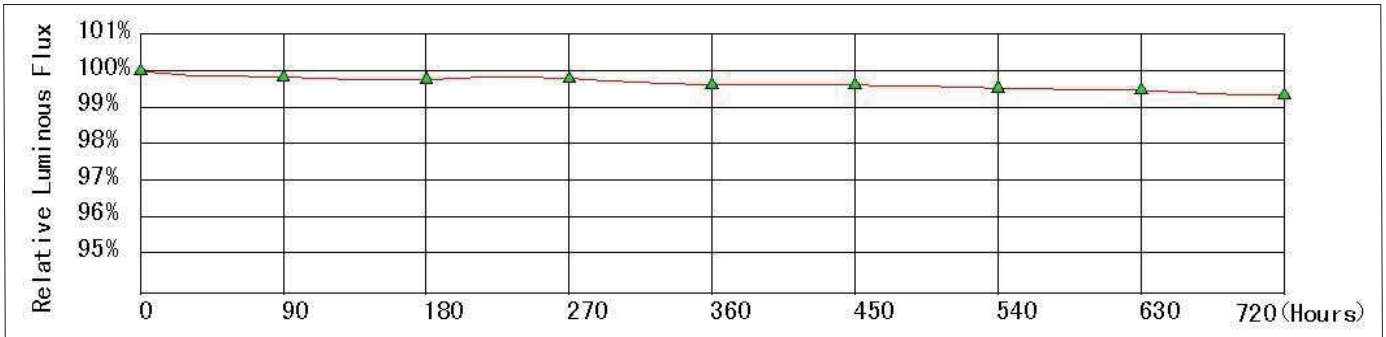



## Lux Diagram




## Lighting Effects

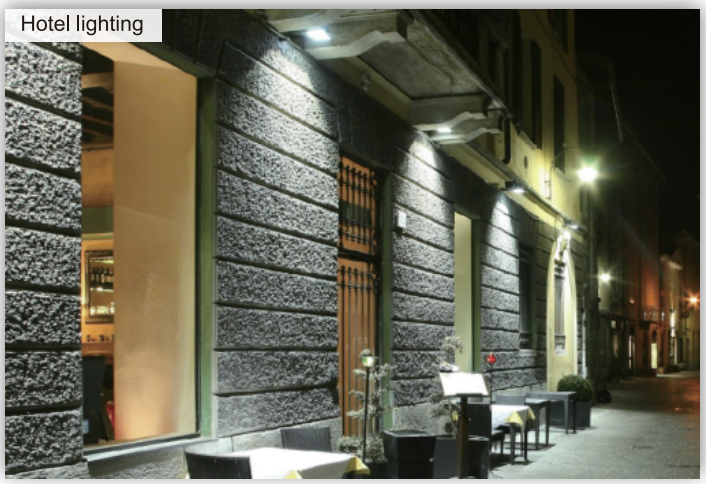
| WW (3000K) | NW (4000K) | PW (6000K) |
|---|---|---|




Through the 720 H accelerated agingtest, high and low temperature prediction in the rated under the working conditions after 35000 H, will provide an average 70% optic maintenance ratio (L70).

## Application

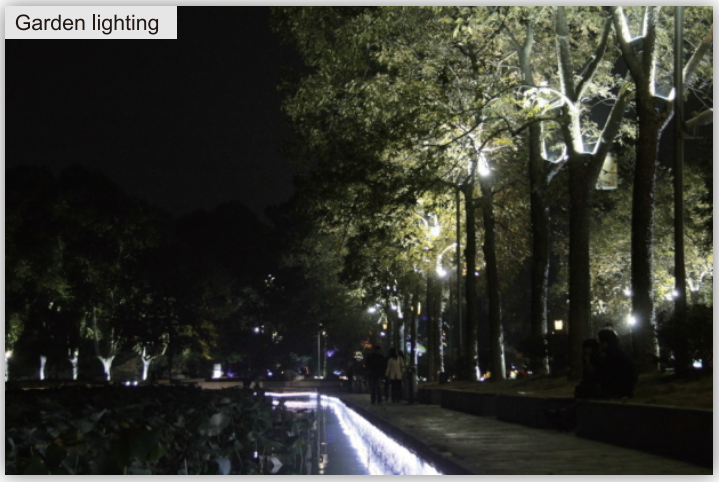
Hotel lighting



Bridge lighting

Billboard lighting


Garden lighting



Architectural lighting