

# FL05 Flood Light Datasheet



## Key Features

- ⇒ **Efficacy:** Up to 140 lm/w
- ⇒ **LED Chip:** SMD2835 | SMD3030
- ⇒ **SDCM:** <5
- ⇒ **Beam Angle:** 30° | 60° | 90° | 120° | Type II | Type III | asymmetric light
- ⇒ **Control:** Adjustable CCT & Adjustable power
- ⇒ **IP Rating:** IP65
- ⇒ **Installation:** Bracket
- ⇒ **Warranty:** 5 years

## Application

Shopping malls, exhibition halls, car parks, stadiums, stadiums, billboards, parks, sculpture, building facades and other indoor and outdoor lighting.

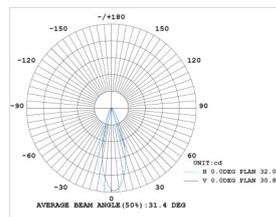


Adjustable CCT & Power button

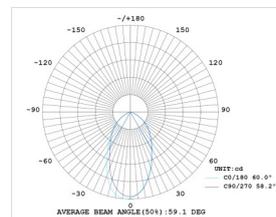


## Photometry

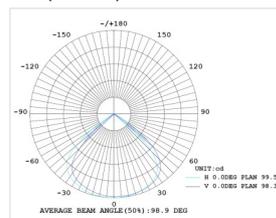
30°(PC lens)



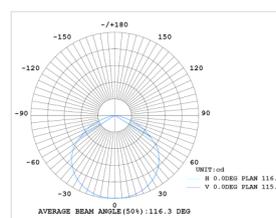
60°(PC lens)



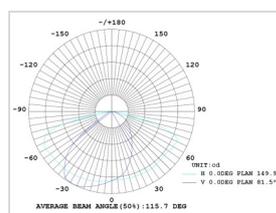
90°(PC lens)



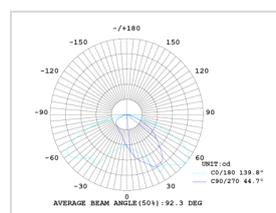
120° Glass Cover



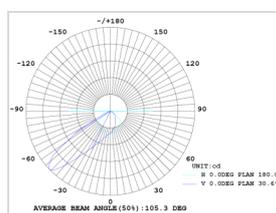
Type II (PC lens)



Type III (PC lens)



Asymmetric light (PC lens)



# FL05 Flood Light Datasheet

## Product Data

Model No.	FL05-50	FL05-100	FL05-150	FL05-200	FL05-240	FL05-300	FL05-400
Power	50W	100W	150W	200W	240W	300W	400W
Lumen Output	7,000 lm	14,000 lm	21,000 lm	28,000 lm	33,600 lm	42,000 lm	56,000 lm
Luminous Efficacy	140lm/w						
CCT	3000K   4000K   5000K   5700K   6500K						
CRI	Ra≥70 (Ra≥80 optional)						
Input Voltage	100-277 VAC; 50Hz   60Hz						
Housing Color	Black   Gray						
Housing Material	Aluminum, Glass, PC						
IP Rating	IP65						
Operating temperature	-30°C to +40°C						
Operating humidity	10% to 90% RH						
Lifespan	100,000 hours						
Warranty	5 years						

## ErP Technical Specification (25°C operating temperature)

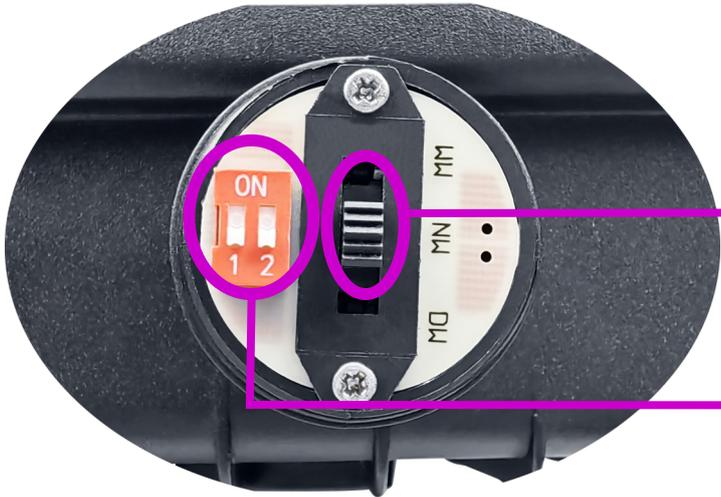
Item	Specification & Data
Efficiency In	>93%
Power Factor	PF≥0.95
Energy Efficiency Class	D
Standard Deviation of Color Matching	<5
Starting Time	<0.2S
Warm-up Time to 60%	<0.5S
Lumen Maintenance at e.o.l.	>70%
Lifetime	L70/B10@100,000hours

**Note: 1. The above parameters will have errors within the allowable range of relevant standards.**

**2. This specification book is for reference only. We retains the right to optimize and modify without pre -notification!**

# FL05 Flood Light Datasheet

## Accessories Description



**Adjustable CCT and Power Dial button**

- ⇒ Black | Gray
- ⇒ Steel, PC

**CCT Adjust Dial**  
Adjustable CCT: 3000K(WW) | 4350K(NW) | 5700K(DW)

**Power Adjust Dial**  
Adjustable Power: 50%; 75%; 100%.  
Dial "1" is 75%; dial "1" and "2" is 50%;  
OFF is 100%.

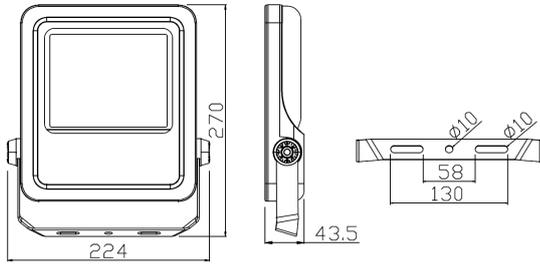
## Packaging

Model No.	PCS/CTN	N.W	G.W	Volumetric Weight	Carton Size and Volume	20GP(28m <sup>3</sup> )	40HC/HQ(68m <sup>3</sup> )
FL05-50	10	1.5 kg/pcs	16.0 kg/ctn	7.3 kg	L520xW240xH290 mm ≈ 0.036 m <sup>3</sup>	777 CTNS	1,888 CTNS
FL05-100	10	2.5 kg/pcs	27.5 kg/ctn	11.3 kg	L580xW285xH340 mm ≈ 0.056 m <sup>3</sup>	500 CTNS	1,214 CTNS
FL05-150	5	3.5 kg/pcs	19.5 kg/ctn	8.5 kg	L340xW320xH390 mm ≈ 0.042 m <sup>3</sup>	666 CTNS	1,619 CTNS
FL05-200	1	4.7 kg	5.2 kg	1.9 kg	L361xW63xH419 mm ≈ 0.010 m <sup>3</sup>	2,800 CTNS	6,800 CTNS
FL05-240	1	6.1 kg	6.9 kg	3.7 kg	L490xW415xH90 mm ≈ 0.018 m <sup>3</sup>	1,555 CTNS	3,777 CTNS
FL05-300	1	6.9 kg	7.7 kg	3.7 kg	L490xW415xH90 mm ≈ 0.018 m <sup>3</sup>	1,555 CTNS	3,777 CTNS
FL05-400	1	9.0 kg	10.0 kg	4.9 kg	L515xW505xH95 mm ≈ 0.025 m <sup>3</sup>	1,120 CTNS	2,720 CTNS

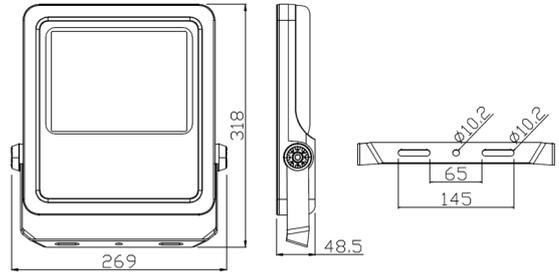
**Remarks:** The weight of the above products is for reference only, and the weight of different configuration products will be different.

# FL05 Flood Light Datasheet

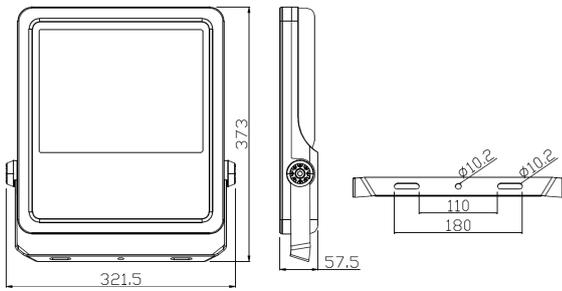
## Dimension (unit: mm)



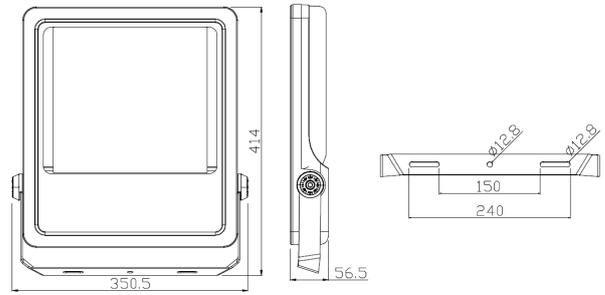
FL05-50



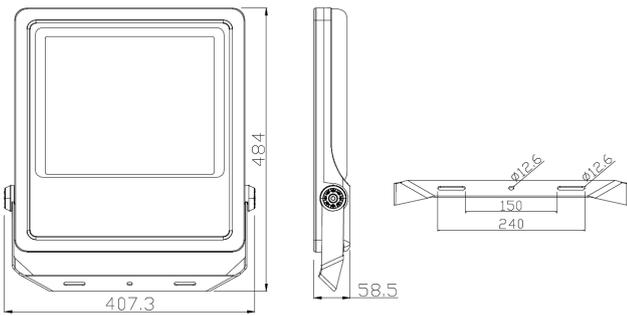
FL05-100



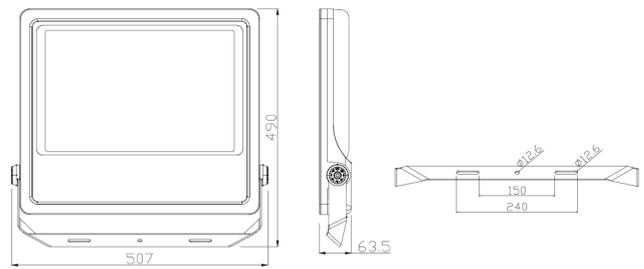
FL05-150



FL05-200



FL05-240 | FL05-300



FL05-400