

FL20 Flood Light Datasheet



Key Features

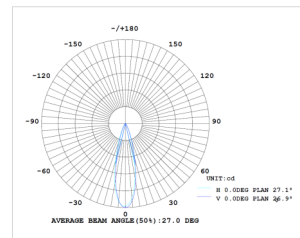
- ⇒ **Power:** Up to 600W
- ⇒ **Efficacy:** Up to 150 lm/w
- ⇒ **LED Chip:** SMD2835 | SMD3030
- ⇒ **SDCM:** <5
- ⇒ **Beam Angle:** 30° | 60° | 90° | 120°
- ⇒ **Control:** DALI | DMX512
- ⇒ **IP Rating:** IP66
- ⇒ **Installation:** Bracket
- ⇒ **Warranty:** 5 years

Application

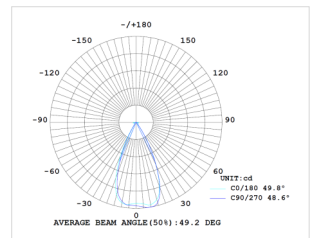
- ⇒ Sports venues;
- ⇒ Plazas and parks;
- ⇒ Construction sites;
- ⇒ Building facades;
- ⇒ Parking lots and storage areas;
- ⇒ Ports and docks;
- ⇒ Industrial plants;
- ⇒ Emergency and disaster relief sites;
- ⇒ Billboards and large signs;
- ⇒ Airports (auxiliary lighting)

Photometry

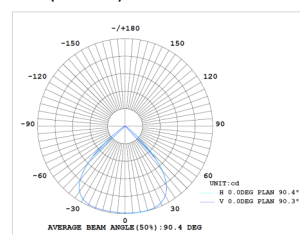
30°(PC lens)



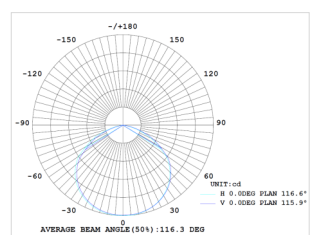
60°(PC lens)



90°(PC lens)



120° Glass Cover



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Product Data

Model No.	FL20-50	FL20-100	FL20-150	FL20-200	FL20-240	FL20-300	FL20-400	FL20-500	FL20-600
Power	50W	100W	150W	200W	240W	300W	400W	500W	600W
Lumen Output	7,500 lm	15,000 lm	22,500 lm	30,000 lm	36,000 lm	45,000 lm	60,000 lm	75,000 lm	90,000 lm
Luminous Efficacy	150 lm/w								
CCT	3000K 4000K 5000K 5700K 6500K								
CRI	Ra≥70 (Ra≥80 optional)								
Input Voltage	100-277 VAC; 50Hz 60Hz								
Housing Color	Gray Black								
Housing Material	Aluminum, Glass, PC								
IP Rating	IP65								
Operating temperature	-30°C to +50°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	≥90%
Power Factor	PF≥0.90
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 are all obtained at +25°C and there are 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!

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Packaging

Model No.	PCS/CTN	N.W	G.W	Volumetric Weight	Carton Size and Volume	20GP(28m³)	40HC/HQ(68m³)
FL20-50	10	2.5 kg/pcs	28.0 kg/ctn	21.0 kg	L600xW485xH360 mm $\approx 0.105 \text{ m}^3$	266 PCS	1647 PCS
FL20-100	5	3.0 kg/pcs	17.5 kg/ctn	11.7 kg	L485xW305xH395 mm $\approx 0.058 \text{ m}^3$	482 PCS	1,172 PCS
FL20-150	5	4.3 kg/pcs	23.0 kg/ctn	15.4 kg	L485xW365xH435 mm $\approx 0.077 \text{ m}^3$	363 PCS	883 PCS
FL20-200	1	5.2 kg	5.6 kg	3.6 kg	L470xW360xH105 mm $\approx 0.018 \text{ m}^3$	1,555 PCS	3,777 PCS
FL20-240	1	7.0 kg	7.6 kg	5.2 kg	L550xW410xH115 mm $\approx 0.026 \text{ m}^3$	1,076 PCS	2,615 PCS
FL20-300	1	7.8 kg	8.4 kg	5.2 kg	L550xW410xH115 mm $\approx 0.026 \text{ m}^3$	1,076 PCS	2,615 PCS
FL20-400	1	11.0 kg	12.0 kg	7.3 kg	L620xW510xH115 mm $\approx 0.036 \text{ m}^3$	777 PCS	1,888 PCS
FL20-500	1	12.0 kg	13.0 kg	7.3 kg	L620xW510xH115 mm $\approx 0.036 \text{ m}^3$	777 PCS	1,888 PCS
FL20-600	1	16.0 kg	17.5 kg	7.8 kg	L658xW565xH105 mm $\approx 0.039 \text{ m}^3$	717 PCS	1,743 PCS

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

Light Housing and Beam Angle



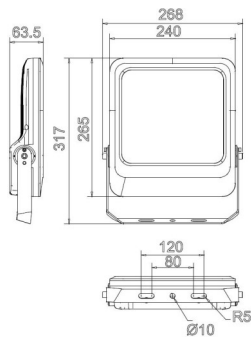
30° | 60° | 90°



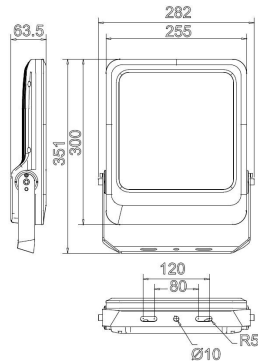
120°

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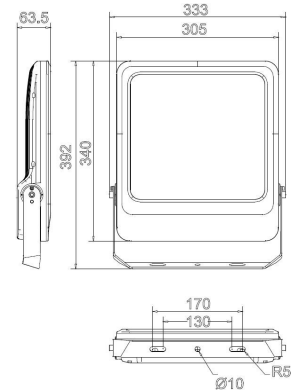
Dimension (unit: mm)



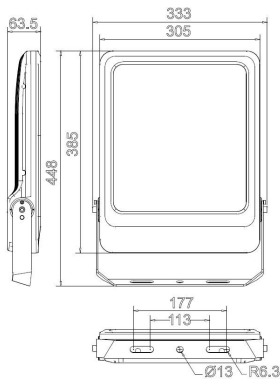
FL20-50



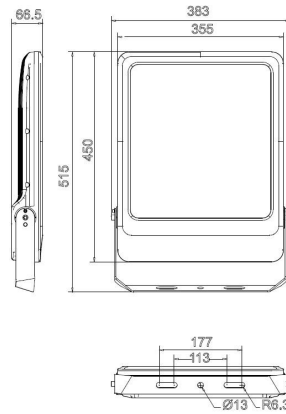
FL20-100



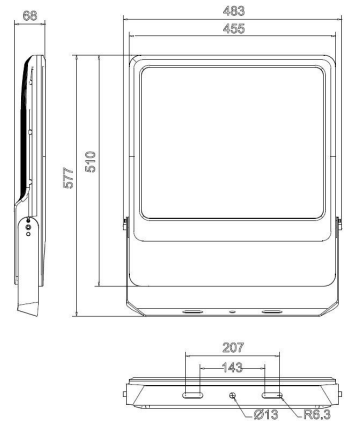
FL20-150



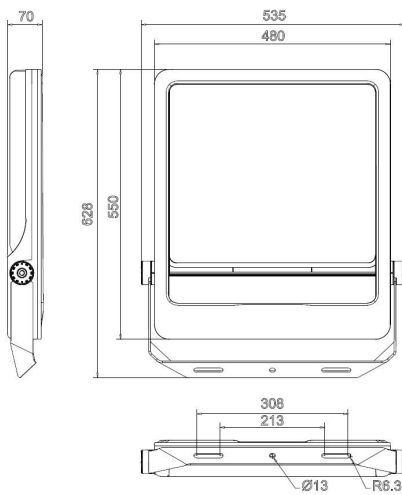
FL20-200



FL20-240 | FL20-300



FL20-400 | FL20-500



FL20-600