

SPECIFICATION LED Floodlight

FL03A SERIES



SOSEN **PHILIPS**  **LUMILEDS**

140
lm/W



180°
Adjustable



CCT
3000K–6000K



IP65



Dimmable
Optional

PF > 0.95



30°



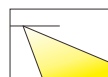
60°



90°



140° x 70°



150° x 80°

Note: Lumiwise may change product specifications and installation guidance without prior notice.

Features

Efficacy: Up to 150 lm/w.

LED Chip:SMD3030, SDCM<5.

Laser Locator:precise positioning the lighting area.

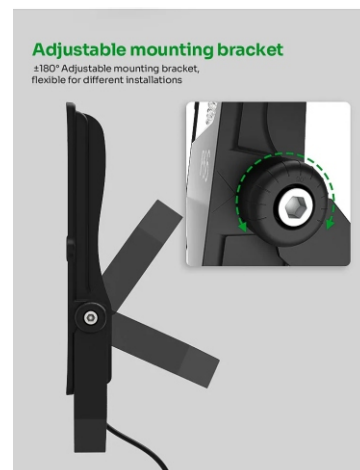
Beam Angle:30°/60°/90°/Type II /Type III Asymetrical

IP Rating: IP65.

Installation: Wall Mounted/ Suspended Mounted/Standing

Certifications: CE, RoHS.

Warranty: 5 years .



Specification

Operating Temperature	-30°C to +50°C
Smart Control Options	1-10V dimming / DALI dimming
Housing Material	Aluminum, PC
Housing Color	Black
Mounting Options	Wall / Suspended Mounted

ErP Technical Specification

Efficiency	>93%
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

Product specification

Model No.	FL03A30W	FL03A50W	FL03A80W	FL03A100W	FL03A150W	FL03A200W	FL03A240W	FL03A300W
Wattage	30W	50W	80W	100W	150W	200W	240W	300W
Lumen Output	4,200 lm	7,500 lm	12,000 lm	15,000 lm	22,500 lm	30,000 lm	36,000 lm	45,000 lm
Luminous efficiency	140-150 lm/W							
CCT	3000K/4000K/5000K/5700K/6500K							
CRI	Ra≥70 (Ra≥80 optional)							
Input Voltage	100-277 VAC/220-240 VAC; 50Hz/60Hz							
Housing Color	Black							
Housing Material	Aluminum, Glass, PC							
Operating temperature	-30°C to +55°C							
Operating humidity	10% to 90% RH							
Lifespan	100,000 hours							
Warranty	5 years							

Technical character	
Insulation	CLASS I
Protection	IP65
Tilt	NA
Rotate	NA
Operating temperature	-20~40°C
Average Failure Time	L70(10k) >60000 (h)

Materials	
Luminaire	aluminum die-casting
Reflector	Plastic reflector+LENS
Heat sink	aluminum die-casting
IK rate	IK08
Color available	Black
Adaptor	N/A

Remarks

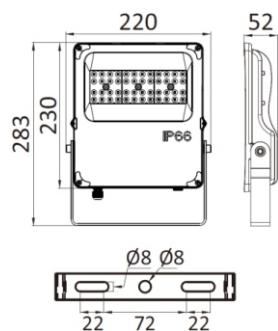


*1. LUMEN : for LED chip test result based on Tc=85°C.

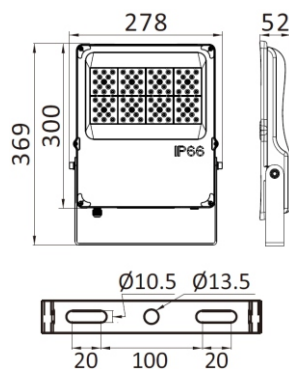
This is the ideal (Maximum) lumen. This lumen information is from the LED supplier

*3. LUMEN(system) (Total FLUX) : this lumen is from luminaire with heat sink, reflector and fixture,
this is the real lumen with the loss because of different design of reflectors and fixtures.

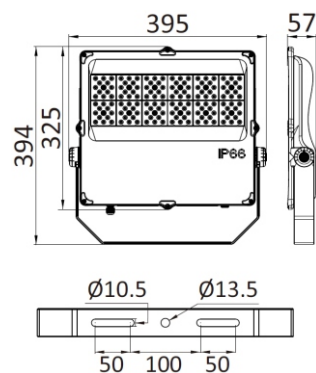
Dimension (unit: mm)



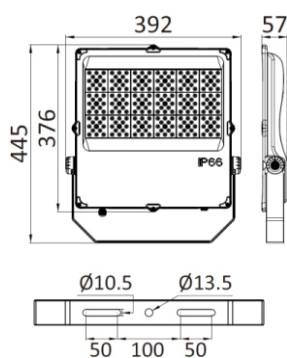
FL03A20W



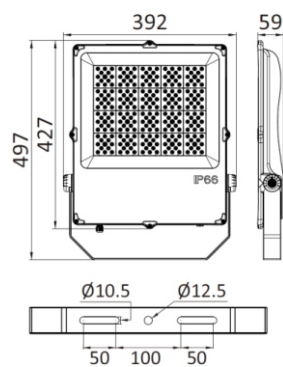
FL03A50W



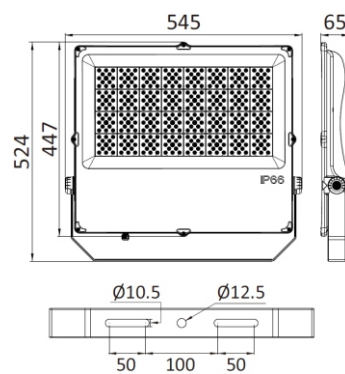
FL03A100W/FL03A150W



FL03A200W



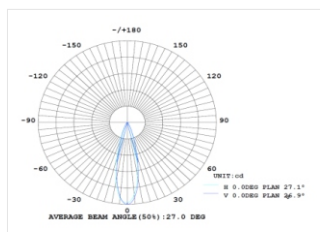
FL03A240W



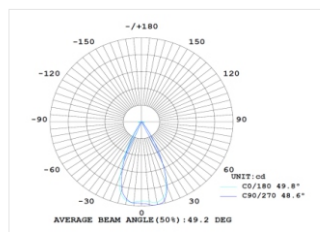
FL03A300W

Light Distribution Curve [Unit:cd]

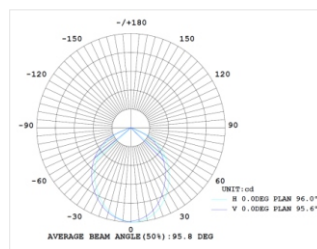
30° PC lens



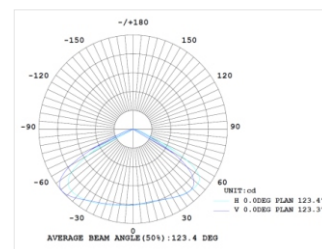
60° PC lens



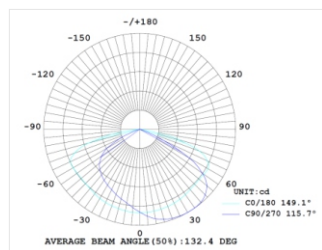
90° PC lens



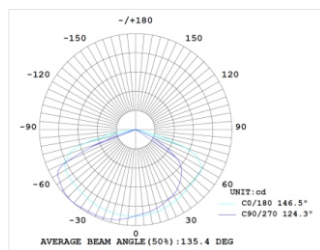
120° PC lens



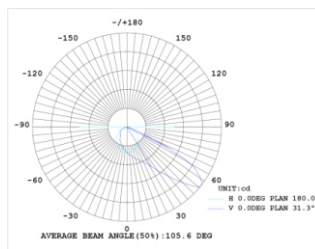
Type 2M PC lens



Type 3M PC lens



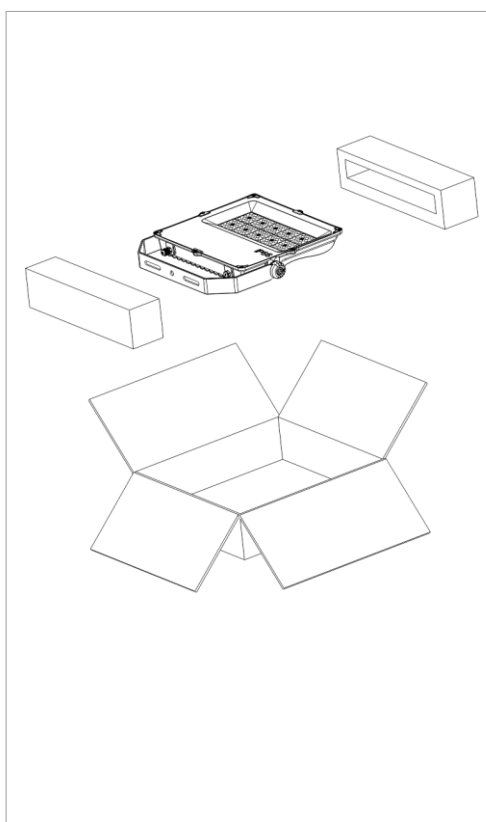
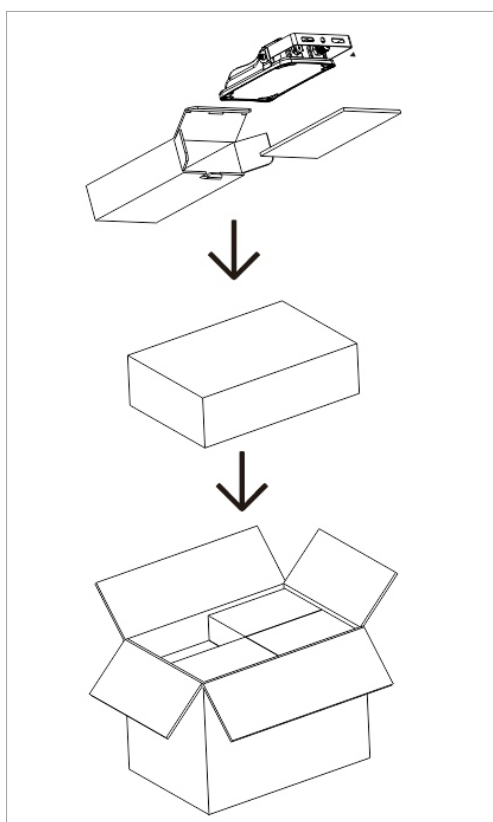
30° x90° PC lens



Packaging (UGR reflector not included)

SKU	PCS/CTN	N.W	G.W	Volumetric Weight	CBM	20' GP	40' GP
FL03A30W	10	1.2 kg/pcs	15.5 kg/ctn	11.6 kg	L482xW336xH358 mm $\approx$ 0.058m ³	482 CTNs	1,172 CTNs
FL03A50W	6	1.4 kg/pcs	18.5 kg/ctn	11.6 kg	L482xW336xH358 mm $\approx$ 0.058m ³	482 CTNs	1,172 CTNs
FL03A100W	1	3.4 kg	4.0 kg	2.5 kg	L385xW355xH90 mm $\approx$ 0.012m ³	2,333 CTNs	5,666 CTNs
FL03A150W	1	4.1 kg	4.8 kg	3.0 kg	L425xW390xH90 mm $\approx$ 0.015m ³	1,866 CTNs	4,533 CTNs
FL03A200W	1	5.0 kg	5.8 kg	3.2 kg	L420xW415xH90 mm $\approx$ 0.016m ³	1,750 CTNs	4,250 CTNs
FL03A240W	1	5.2 kg	6.0 kg	3.2 kg	L420xW415xH90 mm $\approx$ 0.016m ³	1,750 CTNs	4,250 CTNs
FL03A300W	1	6.0 kg	7.3 kg	4.6 kg	L505xW460xH100 mm $\approx$ 0.023m ³	1,217 CTNs	2,956 CTNs

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



100W-300W

Application

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

