

# SMD3 LED Flood Light Series

10W-350W

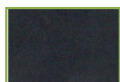
## Advantages

- High efficiency, 120lm/w available.
- Beam angle 30°/60°/90°/120°  
/ T2M/ T3M/
- Integrated die-casting aluminum  
housing, elegant appearance  
Good heat dissipation, long lifespan
- Tempered glass, surface coating  
process, excellent corrosion-proof
- IP66

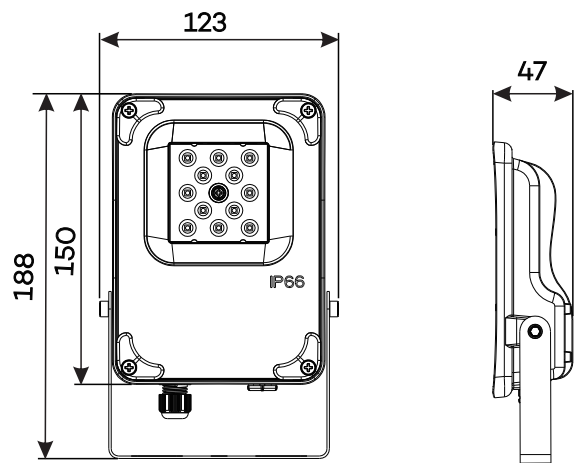


120lm/W

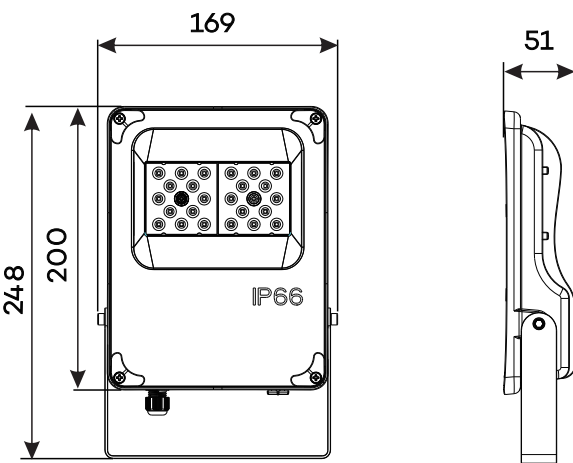
Color



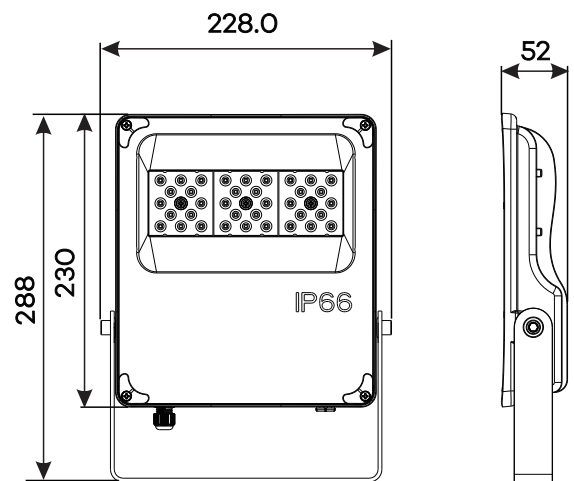
# Dimension



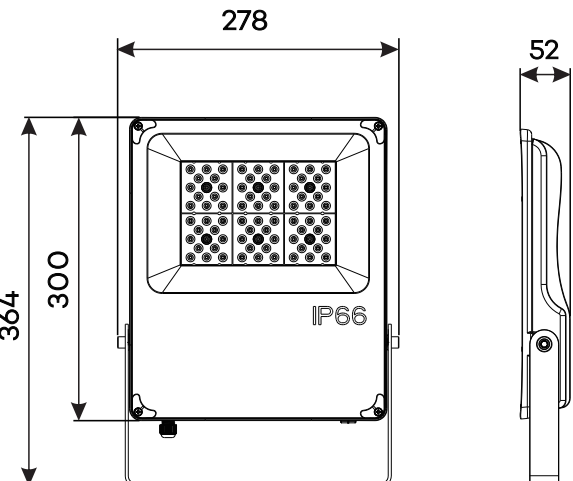
10W



20W/30W



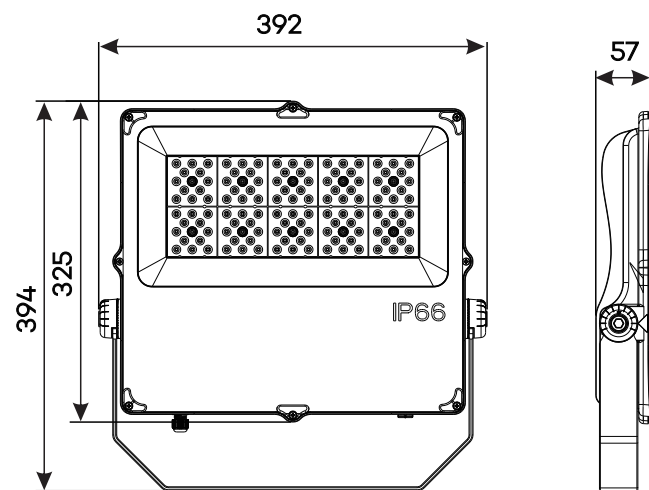
50W



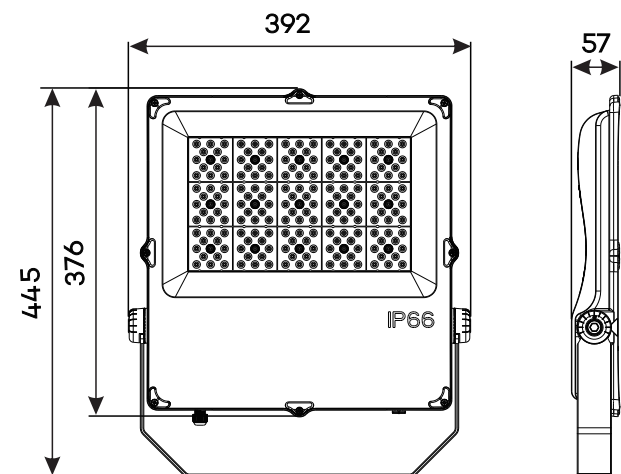
80W/100W

unit: mm

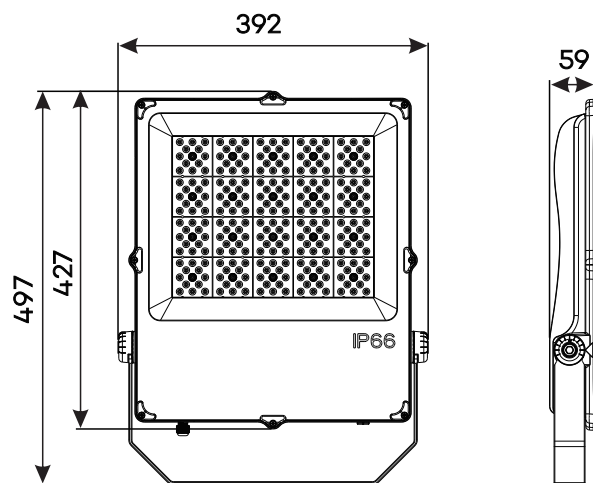
# Dimension



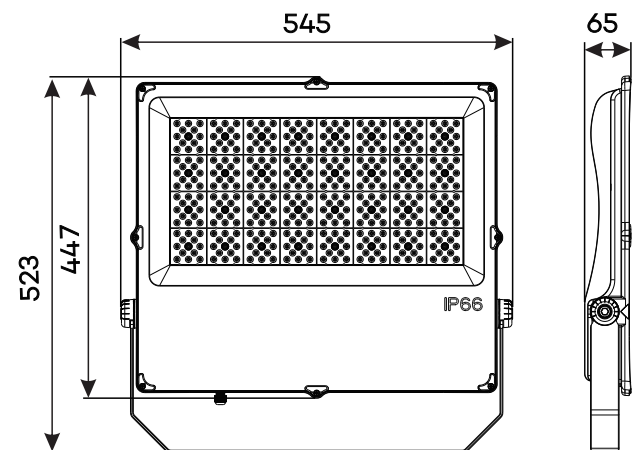
120W/150W



180W/200W



250W



300W/ 350W

unit: mm

# Application

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## Application

- Billboard
- Roads
- Tunnel
- Bridges
- Parks
- Building



# A: TechnicalParameter

Item No.		SFLEDFL10SMD3	SFLEDFL20SMD3	SFLEDFL30SMD3	SFLEDFL50SMD3	SFLEDFL80SMD3	SFLEDFL100SMD3
LampSize		188*123*47mm	248*169*51mm	248*169*51mm	288*228*52mm	364*278*52mm	364*278*52mm
Voltage		AC100V-240V 50/60HZ					
Power		10W	20W	30W	50W	80W	100W
LED Type		Lumileds 3030					
LED Quantity		12pcs	24pcs	32pcs	48pcs	72pcs	96pcs
Luminous Flux	Lumileds 3030	1200LM ±5%	2400LM ±5%	3600LM ±5%	6000LM ±5%	9600LM ±5%	12000LM ±5%
Color Temperature(CCT)		3000K/4000K/5000K/6500K					
Beam Angle		30°/60°/90°/120° /T2M/T3M (12-in-one lens)	30°/60°/90°/120° /T2M/T3M (12-in-one lens)	30°/60°/90°/120° /T2M/T3M (16-in-one lens)	30°/60°/90°/120° /T2M/T3M (16-in-one lens)	30°/60°/90°/120° /T2M/T3M (12-in-one lens)	30°/60°/90°/120° /T2M/T3M (12-in-one lens)
Color Rendering Index (CRI)		Ra>80					
Power Supply Efficiency		>88%					
LED Luminous Efficiency		120lm/W					
Power Factor (PF)		>0.9					
Total Harmonic Distortion (THD)		≤15%					
IP Rank		IP 66					
Net Weight		0.5kg	0.98kg	0.98kg	1.5kg	2.6kg	2.6kg
Certificate		IEC 60598-2-5 / IEC 60598 - 1					

## A: TechnicalParameter

Item No.		SFLEDFL120SMD3	SFLEDFL150SMD3	SFLEDFL180SMD3	SFLEDFL200SMD3	SFLEDFL250SMD3	SFLEDFL300SMD3	SFLEDFL350SMD3
LampSize		394*392*57mm	394*392*57mm	445*392*57mm	445*392*57mm	497*392*59mm	523*545*65mm	523*545*65mm
Voltage		AC100V-240V 50/60HZ						
Power		120W	150W	180W	200W	250W	300W	350W
LED Type		Lumileds 3030						
LED Quantity		120pcs	144pcs	180pcs	216pcs	240pcs	384pcs	384pcs
Luminous Flux	Lumileds 3030	14400LM±5%	18000LM±5%	21600LM±5%	24000LM±5%	30000LM±5%	36000LM±5%	42000LM±5%
Color Temperature(CCT)		3000K/4000K/5000K/6500K						
Beam Angle		30°/60°/90°/120° /T2M/T3M (12-in-one lens)	30°/60°/90°/120° /T2M/T3M (12-in-one lens)	30°/60°/90°/120° /T2M/T3M (12-in-one lens)	30°/60°/90°/120° /T2M/T3M (12-in-one lens)	30°/60°/90°/120° /T2M/T3M (12-in-one lens)	30°/60°/90°/120° /T2M/T3M (12-in-one lens)	30°/60°/90°/120° /T2M/T3M (12-in-one lens)
Color Rendering Index (CRI)		Ra>80						
Power Supply Efficiency		>88%						
LED Luminous Efficiency		120lm/W						
Power Factor (PF)		>0.9						
Total Harmonic Distortion (THD)		≤15%						
IP Rank		IP 66						
Net Weight		4.0kg	4.0kg	4.7kg	4.7kg	5.7kg	8.5kg	8.5kg
Certificate		IEC 60598-2-5 / IEC 60598						

# Technical Specification

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## B: Mechanical Specifications

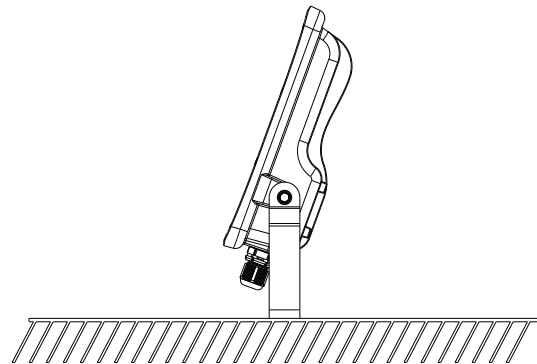
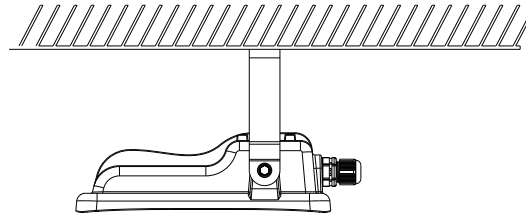
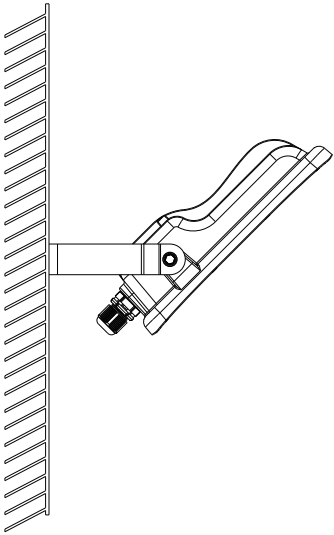
Temperature Range Operating	-40°C ~ 50°C
Humidity Range Operating	10% ~ 90%
Temperature Range Storage	-40°C ~ 70°C
Humidity Range Storage	10%~ 90%

## C: Environmental

LED Driver	SOSEN/DONE
Housing Processing	Die-Casting
Material	ADC12

# Installation

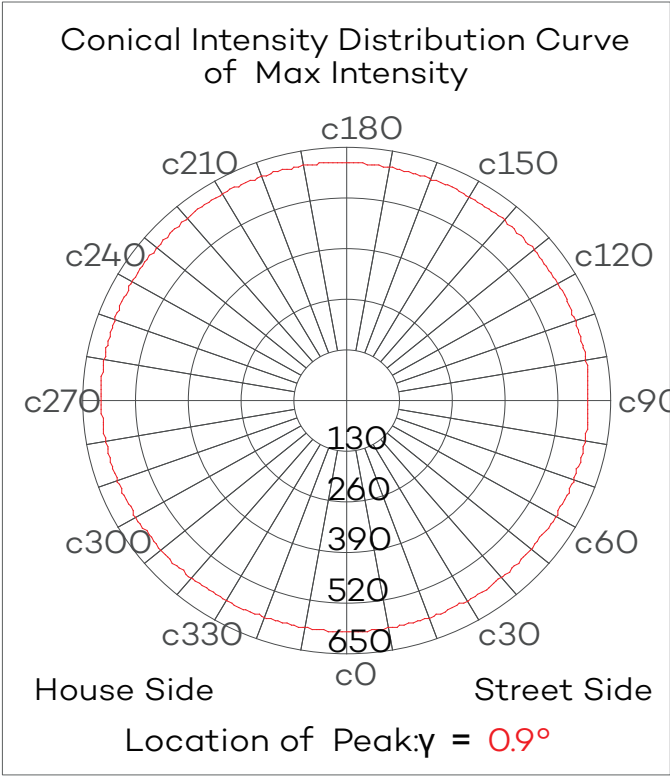
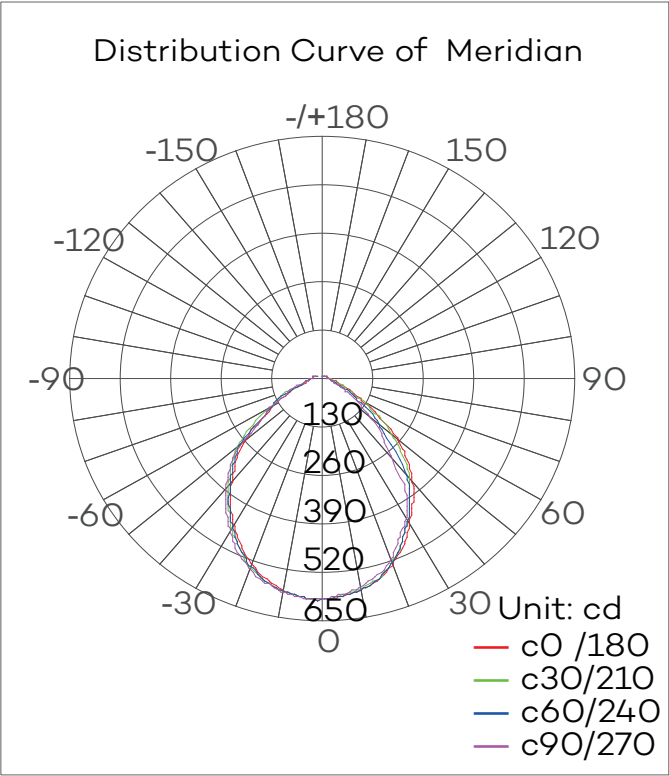
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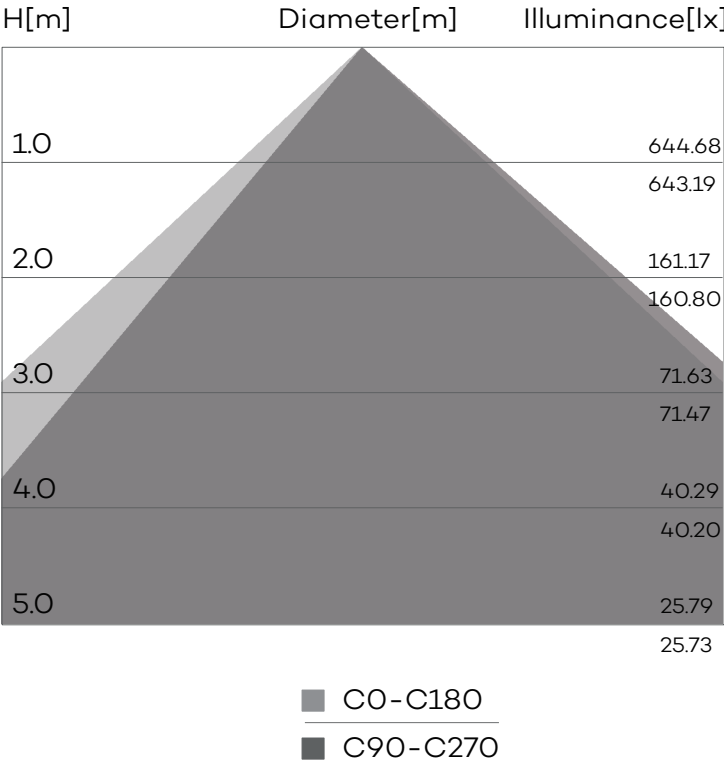
1. Fix the bracket on the wall by screws
2. Adjust the lamp body to proper orientation
3. Fix the screws that connecting the bracket and the lamp body.
4. Connect the wires. Brown wire is L, blue wire is N, and yellow-green wire is G.



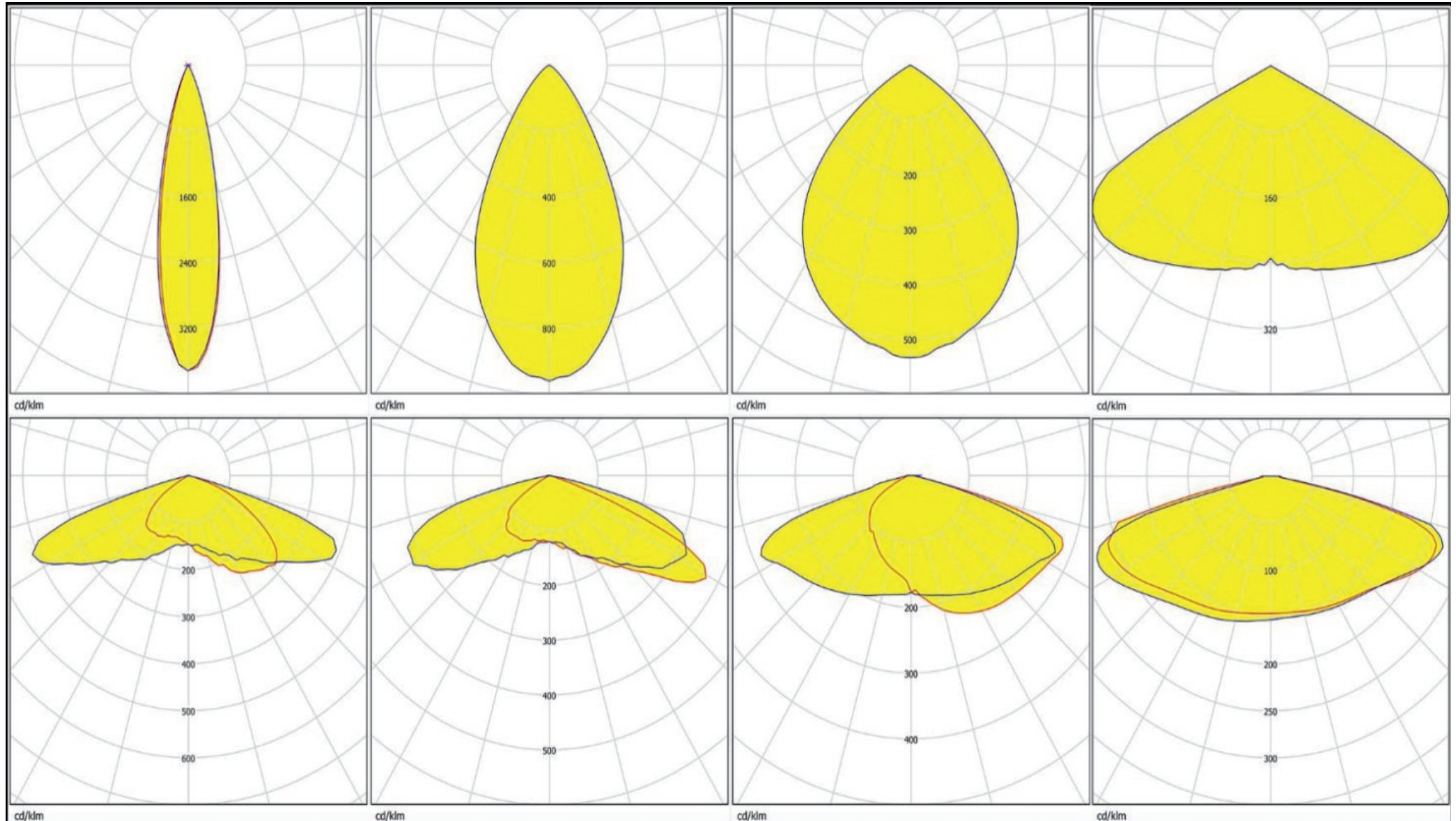
# Luminous Intensity Distribution



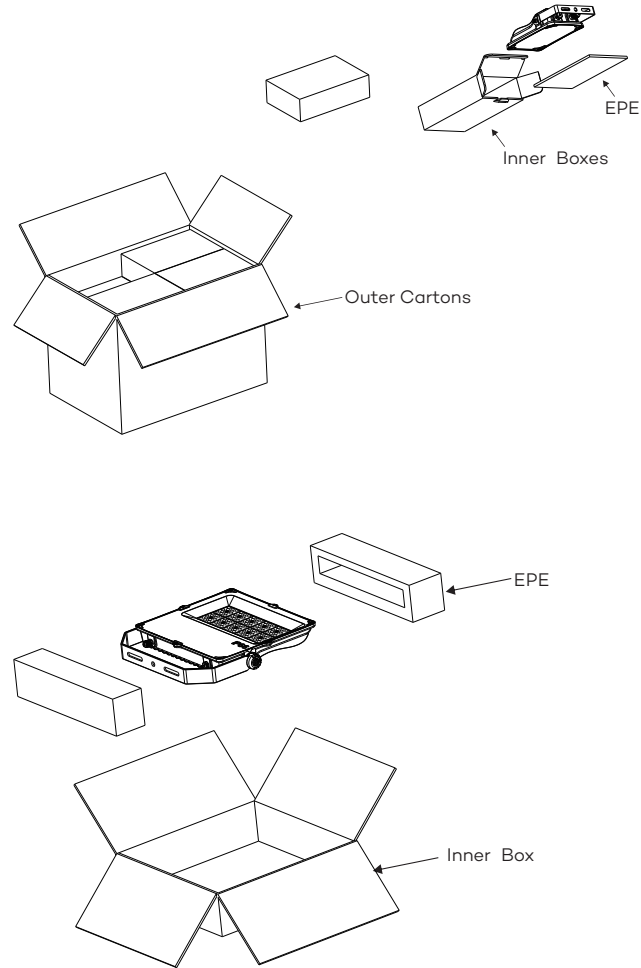
## Illumination Cone Curve



# Distribution Curve Flux



# Packing



Item No.	Carton Size		Quantity	G.W.
SFLEDFL10SMD3	Inner Boxes	196*128*56mm	1pcs	0.6Kg
	Outer Cartons	407*270*295mm	20pcs	14.0Kg
SFLEDFL20 / 30SMD3	Inner Boxes	254*175*60mm	1pcs	1.1Kg
	Outer Cartons	522*365*315mm	20pcs	24.0Kg
SFLEDFL50SMD3	Inner Boxes	296*226*60mm	1pcs	1.6Kg
	Outer Cartons	465*311*315mm	10pcs	17.0Kg
SFLEDFL80/100SMD3	Inner Boxes	372*292*60mm	1pcs	2.7Kg
	Outer Cartons	596*387*315mm	10pcs	28.0Kg
SFLEDFL120/150SMD3	440*420*115mm		1pcs	4.4kg
SFLEDFL180/200SMD3	490*420*115mm		1pcs	5.1kg
SFLED250SMD3	540*420*115mm		1pcs	6.1kg
SFLEDFL300/350SMD3	580*570*115mm		1pcs	9.3kg

# Attention

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1. Please read the manual carefully before installation.
2. Please check everything carefully before use.  
If any abnormalities are found whilst opening up your product, please contact us to investigate further.
3. It is a normal phenomenon that the surface temperature of the lamp get higher during use.
4. Please do not disassemble or opening the LED Flood light casing up in any way otherwise it will void your warranty
- 5.

# Warranty

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Sunfor offers 5-year warranty from date of purchase on the above series

## Warranty terms

1. Under warranty terms, any failures under normal circumstances we will either replace or repair at time of incident
2. Sunfor will not offer maintenance service under following conditions even within warranty.
  - a. Failure or damage due to force majeure.
  - b. Failure or damage due to transport or abnormal handling & unloading of goods.
  - c. Failure or damage due to incorrect usage or failed to follow the correct installation procedures.
  - d. Failure or damage due to demolition, repair or alteration without authorization from Sunfor Technologies.
3. Please contact Sunfor Technologies in the event of any issues that may arise and it will be dealt with speedily.  
Please keep your invoice for future warranty claims
4. Sunfor Technologies reserves its rights on the aforesaid terms

## Caution

**We will not be responsible for any other failure, damage or injury due to incorrect installation procedures.**

**[www.sunfor.co.za](http://www.sunfor.co.za) - [shannon@sunfor.co.za](mailto:shannon@sunfor.co.za)**