



FLOOD LIGHT &SPORT LIGHT

RL-FL5280-SERIES

LED Flood Light



120-160lm/W

5 YEARS

IK08

IP66

LIFESPAN

-30°C~+50°C

High Brightness

Efficient Heat Dissipation

Easy Installation

DIMMING

0/1-10V/DALI

50,000H

Warrantly



Parameters

Model No.	RL5280-50W	RL5280-100W	RL5280-200W	RL5280-300W	RL5280-400W	RL5280-600W
Power	50W	100W	200W	300W	400W	600W
Voltage	AC100V-240V					
Efficiency	120/140/160l/w					
CCT	3000-6000K					
CRI(Ra)	Ra>70					
DIM.OP	0-10V/1-10V/DALI					
LED Qty	64PCS	144PCS	240PCS	320PCS	480PCS	672W
Dimension	210*190*41mm	280*240*45mm	360*325*50mm	390*425*52mm	445*445*55mm	560*485*60mm
Beam Angle	15°/30°/60°/90°/120°/T2M/T3M					
IP Rank	IP 66					
Material	ALUMINUM					
Operating Temperature	-40~50°C					
Lifetime	50000 hours					
Warranty	5 years					

Applications

The main use of landscape lighting, Billboard,Path, Bridge,Riverbank.



Outdoor Protection

IP65 and IK08 ratings ensure reliable operation in demanding outdoor environments. It can also be used normally in extremely cold or high temperature environment.



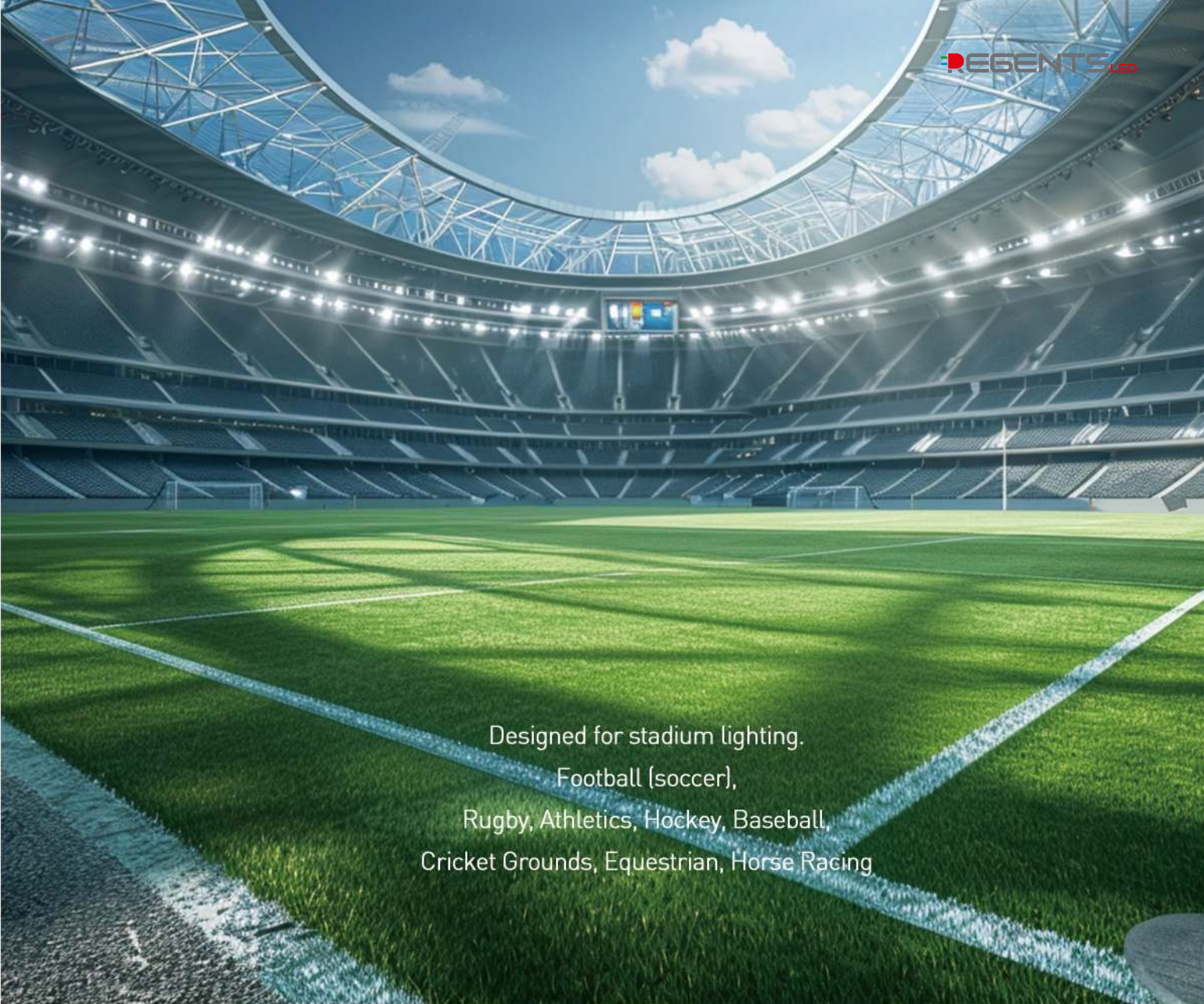


RL-SPFL5281-SERIES

LED Sports Light
HIGH-EFFICIENCY
LED FLOOD LIGHTING
SOLUTION

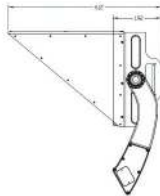
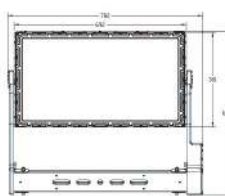
Power range from 1200W to 1500W
Widely used in Sports & recreational fields.
Docks,airports,Billboard,and outdoor
security lighting.esigned for outdoor & industrial applications

 105-125Lm/W	 Dimming Control	 5 YEARS Warranty	 IK08	 IP66	 DALI 2.0
 DMX 512	 50,000H	 -30°C~+50°C	 Efficient Heat Dissipation	 Easy Installation	 0/1-10V



Designed for stadium lighting.
Football (soccer),
Rugby, Athletics, Hockey, Baseball,
Cricket Grounds, Equestrian, Horse Racing

Dimension(MM)



RL-SPFL5281-1200W/1500W

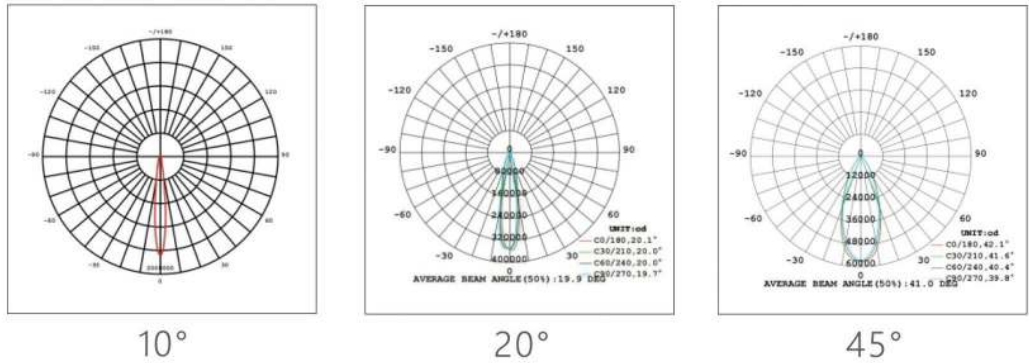
Driver Installation and Application Flexibility

With the driver and heat sink independently designed and freely combined, offering high flexibility in installation. Users can install the driver mounted on the pole, or within an Power supply cabinet to adapt to diverse environmental requirements.



Photometric diagrams

Beam angles:10°/20°/45°[optional]



Applications

Outdoor/Indoor/Industrial

- Sports & recreational fields
- Ports and docks
- Large-scale outdoor events
- Parking lots and garages
- Security and outdoor surveillance
- Crane lighting
- Industrial and construction sites



Parameters

Model No.	RL-SPFL5281-1200W	RL-SPFL5281-1500W
Wattage Tunable	1200W	1500W
Efficiency	125LM/W	115LM/W
Luminous Flux	150000LM	172500LM
LED Type	Lumileds 5050	
CCT	3000K/4000K/5000K/5700K/6500K	
CRI	>70Ra(80Ra or 90Ra optional)	
Beam Angle	20°/45°	
Power Supply	Inventronics/MOSO	
Input Voltage	AC195-457V/198-440V	
Power Frequency	50/60Hz	
Power Factor	0.95	
Total Harmonic Distortion	<15%	
SPD	10KV OR 20KV external SPD optional	
Heat Radiator	Aluminum 1060	
Lens Material	PC+Glass	
IK Rating	IK08	
IP Rating	IP66	
Working Temperature	- 30°C ~ +50°C	
Storing Temperature	- 40°C ~ +80°C	
Lifetime(L70 Standard)	50,000 hours	
Warranty	5 Years	
DIM.OP	0-10V/1-10V/DMX512/DALI	



RL-SPFL5288/5289-SERIES

LED Flood Light
HIGH-EFFICIENCY
LED FLOOD LIGHTING
SOLUTION

- 

125-180LM/W
- 

Warranty
- 

IP66
- 

IK10
- 

0/1-10V/DALI
- 

Efficient Heat
Dissipation
- 

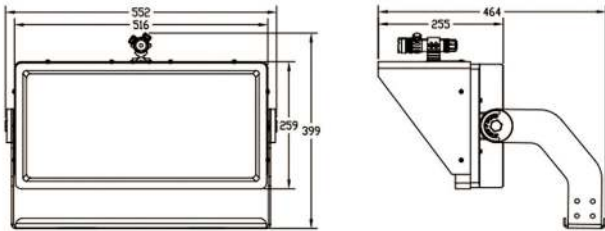
Easy
Installation
- 

50,000H
- 

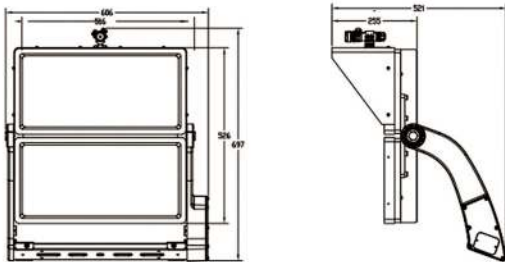
-30°C~+50°C



Dimension(MM)



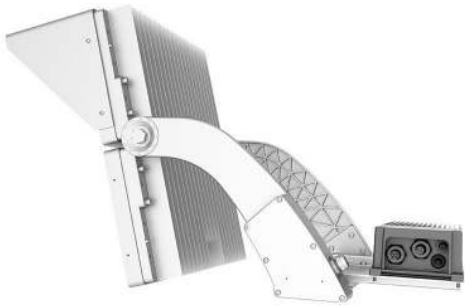
RL-SPFL5288-500W/600W/800W/1000W



RL-SPFL5289-1000W/1200W/1600W/2000W

Lamp body structure

The lamp body structure is made of high-quality aluminum alloy die-casting, and the surface is outdoor electrostatic spraying technology, which has strong weather resistance and high reliability.



Outdoor Protection:

IP66 and IK10 rating ensure reliable operation in demanding outdoor environments



IP66 sealing against dust and sand



Stable performance under high temperatures

Surge Protection:

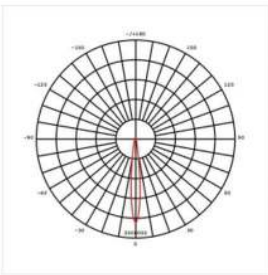
High-efficiency constant current drive, low energy consumption, full protection (over-current/voltage, lightning, high temperature) for stable product performance and long lifespan.



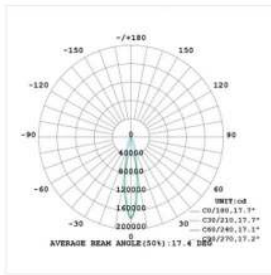
High surge protecting for unstable grids

Designed For Both Professional And Recreational Applications

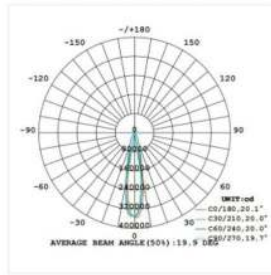
ZC Lighting specializes in photometrically optimized beam angles for diverse applications. Precision-engineered lenses enable intelligent zone illumination in sports and leisure facilities, combining compact design, flexibility, and efficiency. Advanced spillage control ensures low glare.



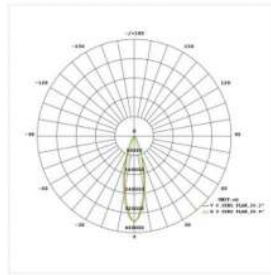
10°



15°



20°



30°



10°



15°



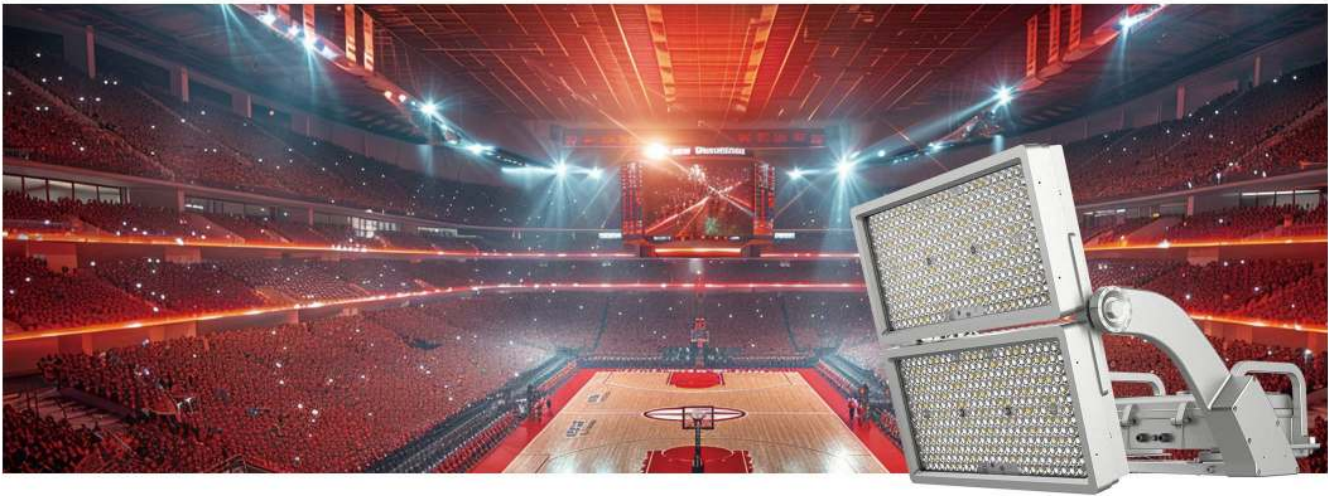
20°



30°

Applications

Widely used in Horts, industrial areas, ports, Docks, airports, court and road.



Parameters

Model No.	RL-SPFL5288-500W/600W/800W/1000W	RL-SPFL5289-1000W/1200W/1600W/2000W	
Wattage	500W/600W/800W/1000W	1000W/1200W/1600W/2000W	
Efficiency	125LM/W-180LM/W	125LM/W-180LM/W	
Luminous Flux	77500LM-125000LM	155000LM-250000LM	
LED Type	Lumileds5050(20°/30°)	Samsung3535(15°)	OSRAM3737(10°)
CCT	3000K/4000K/5000K/5700K/6500K		
CRI	>70Ra(80Ra optional)		
Beam Angle	10°/15°/20°/30°		
Power Supply	Meanwell/Inventronics/Sosen/LiFud		
Input Voltage	AC100-277V		
Power Frequency	50/60Hz		
Power Factor	0.95		
Total Harmonic Distortion	<15%		
SPD	10KV or 20KV external SPD optional		
Heat Radiator	AL6063		
Lens Material	PC or PC+Glass(optional)		
IK Rating	IK10(only PC Lens)/IK08(with Glass Lens)		
IP Rating	IP66		
Working Temperature	-30°C~+50°C		
Storing Temperature	-40°C~+80°C		
Lifetime(L70 Standard)	50,000 hours		
Warranty	5 Years		
DIM.OP	0-10V/1-10V/DALI		

RL-FL5329-SERIES

LED Flood Light
HIGH-EFFICIENCY
LED FLOOD LIGHTING
SOLUTION



120-140lm/W

Warranty

IK08

IP65

50,000H

-30°C~+50°C

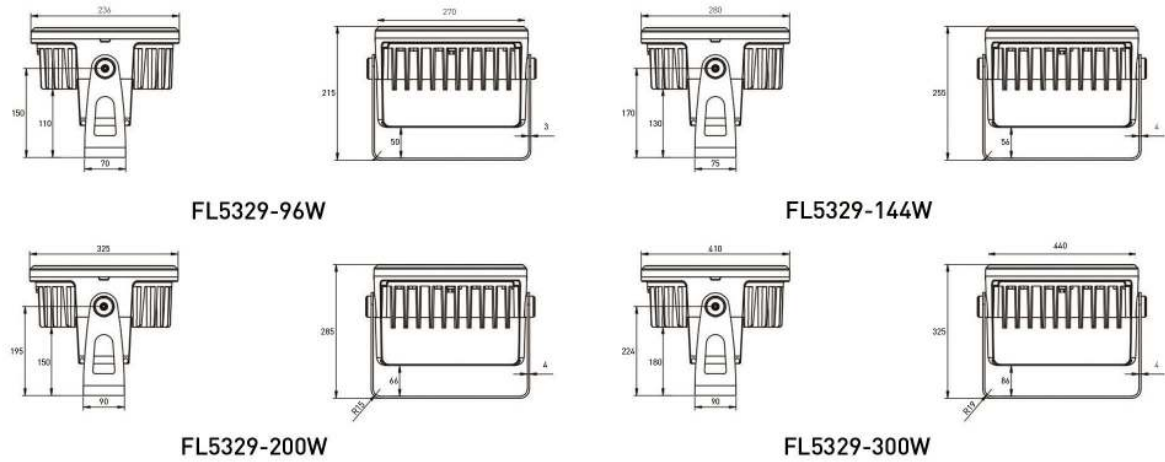
High Brightness

Efficient Heat Dissipation

Easy Installation

0/1-10V/DALI

Dimension(MM)



Parameters

Model No.	RL-FL5329-96W	RL-FL5329-144W	RL-FL5329-200W	RL-FL5329-300W
Power	96W	144W	200W	300W
Lumen	9600lm	14400lm	20000lm	30000lm
CCT	2700K	3000K	4000K	6000K
LED Qty	64PCS	144PCS	108PCS	320PCS
Dimension	236*215mm	280*255mm	325*385mm	410*325mm
LED Chip	CREE SMD			
Driver	Mean well			
CRI(Ra)	Ra80			
Material	Die-cast aluminium+Glass			
IP Rank	IP65			
Fixture Color	Sandy grey			
Warranty	5 years			
DIM.OP	0-10V/1-10V/DALI			

Applications

The main use of landscape lighting, courtyard,garden,wall.



Outdoor Protection

IP65 and IK08 ratings ensure reliable operation in demanding outdoor environments
It can also be used normally in extremely cold or high temperature environment



RL-FL5333-SERIES

LED Flood Light

HIGH-EFFICIENCY
LED FLOOD LIGHTING
SOLUTION



160-165Lm/W



Warranty



IK08



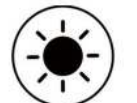
IP66



50,000H



-30°C~+50°C



High Brightness



Efficient Heat Dissipation



Easy Installation

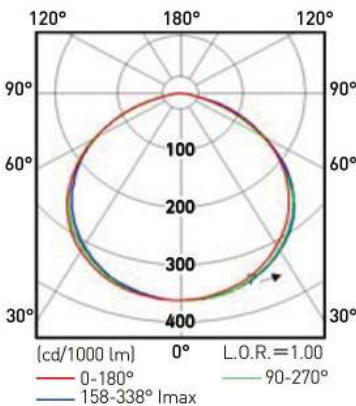


0/1-10V/DALI

RL-FL5333 series is AC LED flood light for a CCT tunable application. It is featured with die-casting Al heat sink as well as tempered glass as optic. Non-isolated driver with optional motion sensor . The fixture is the best platform to achieve optimal balance between performance and cost.

Light Distribution Curve

Polar intensity diagram

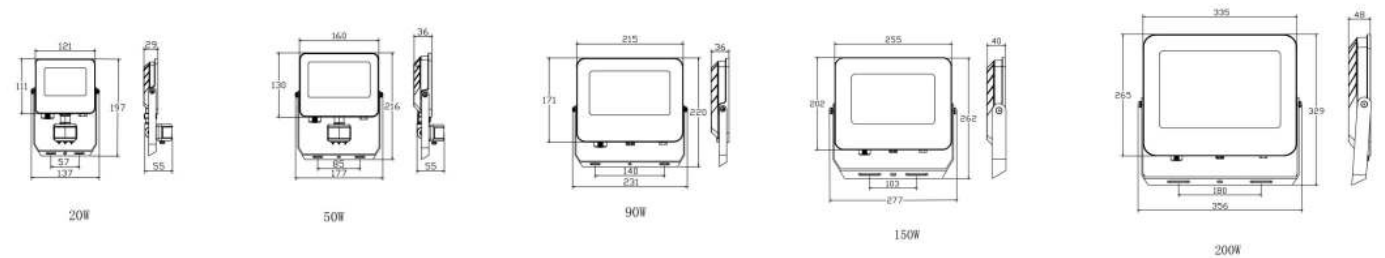


Outdoor Protection:

IP66 and IK07 rating ensure reliable operation in demanding outdoor environments.



Dimension(MM)



Parameters

Model No.	RL-FL5333				
Power	20W	50W	90W	150W	200W
Luminous Flux	2800lm	7000lm	12600lm	21000lm	28000lm
Efficacy	140lm/W				
CCT	3000K, 4000K, 5700K				
CRI(Ra)	≥70Ra				
SDCM	≤6				
Beam angle	110°				
Electrical and Mechanical Specifications					
Input voltage	AC120-277V 50-60Hz				
Power Factor	0.95				
Surge Protection	20/50/90W 2/4KV; 150/200W: 4/6KV				
Dimmable	2 Step wattage, 3CCT tunable				
Mechanical parameters and key materials					
Housing	High-pressure die-cast aluminum				
Cover Lens	Tempered glass				
LED Brand/Model	2835				
LED Driver	Non-isolated driver				
DIM.OP	0-10V/1-10V/DALI				
Mounting	By bracket				
Operating Temperature	- 20 ~ + 45°C				
Storage Humidity	10% ~ 85%				
Protection	IP65,IK07				
Lumen Maintenance	50, 000 hours at L70				
Warranty	5 Years				

*Efficiency rated at CCT 4000K for luminaires.

Due to the special conditions of manufacturing process of LED, the typical data of technical parameters can only reflect statistical figures and do not necessarily correspond to the actual

RL-FL5334-SERIES

LED FLOOD LIGHT

HIGH-EFFICIENCY LED FLOOD LIGHTING SOLUTION



DIMMING

0/1-10V/DALI



5 YEARS

Warranty



IP66



LIFESPAN

50,000H



-20°C~ + 70°C



10/20KV



IK08



Easy installation



160LM/W



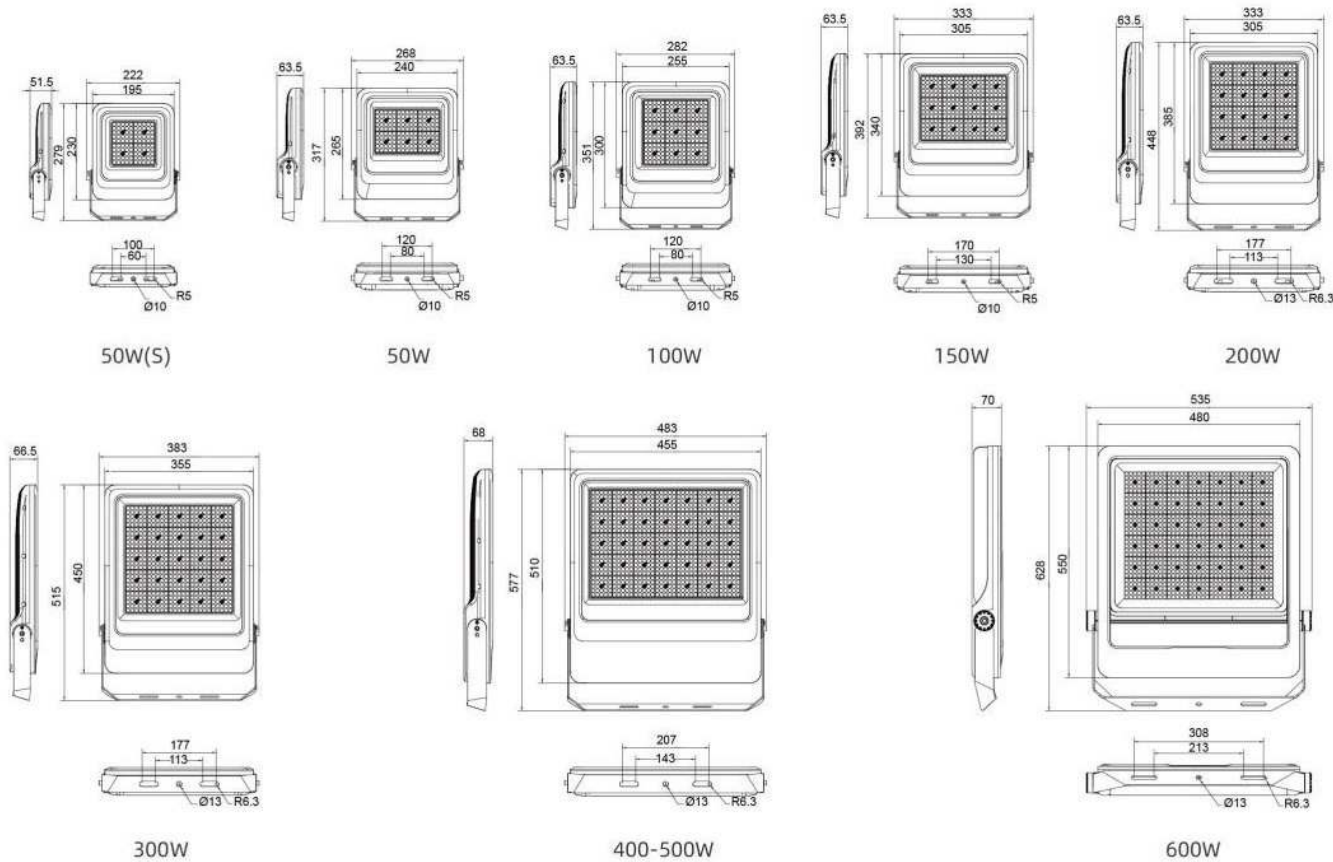
High brightness



Efficient heat dissipation



Dimensions(mm)



Aluminum Die-Cast Housing

IP66 and IK08 ratings ensure reliable operation in demanding outdoor environments. It can also be used normally in extremely cold or high temperature environment



Multi-angle adjustable design

Adjustable angle design,the lamp body and bracket can be adjusted at a large angle, and the lighting angle can be flexibly adjusted to adapt to different lighting environments



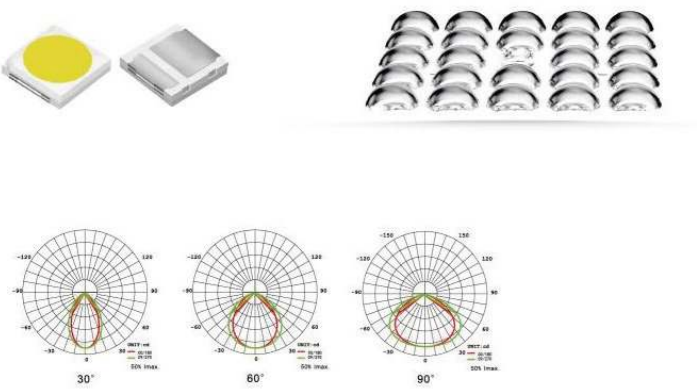
Protection class

IP66 and IK08 ratings ensure reliable operation in demanding outdoor environments. It can also be used normally in extremely cold or high temperature environment



High-efficiency lens

The high brightness LED chip is adopted,and light output, luminous efficiency and service life all reach the international standard.The uniform distribution of lights is realized by combining the lens



Parameters

Model No.	RL-FL5334SERIES							
Power	50W(S)	50W	100W	150W	200W	300W	400-500W	600W
Lens QTY	4PCS	6PCS	9PCS	12PCS	16PCS	25PCS	35PCS	42PCS
Lumen	160LM/W							
Nominal voltage	AC100-277V, 50/60Hz							
DIM.OP	0-10V/1-10V/DALI							
CCT	3000K, 4000K, 5000K, 6000k							
CRI (Ra)	CRI70(CRI80 Optional)							
Driver	Select as needed							
Beam angle	30°/60°/90°							
Housing	Aluminum die-cast							
Surge Protection	10KV/20KV							
Working Environment	-20°C~45°C.20%~90% RH							
Storage Temperature	-20°C~70°C.10%~90% RH							
IP Rate	IP66, IK08							
Installation height	10m-30m							
LED Chip LED	SMD2835/SMD3030/SMD5050							
Lumen maintenance	50,000 hours							
Warranty	5 Years							



RL-FL5335

LED Flood Light

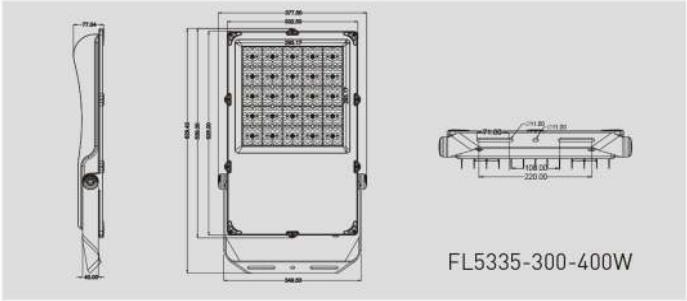
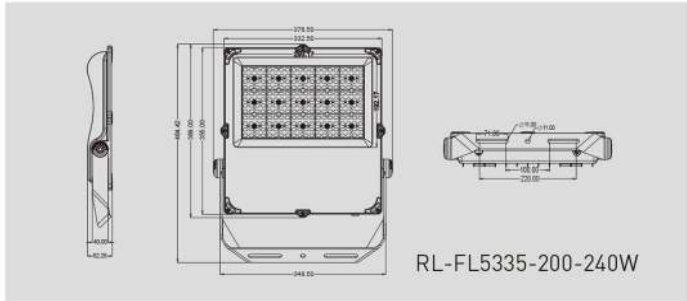
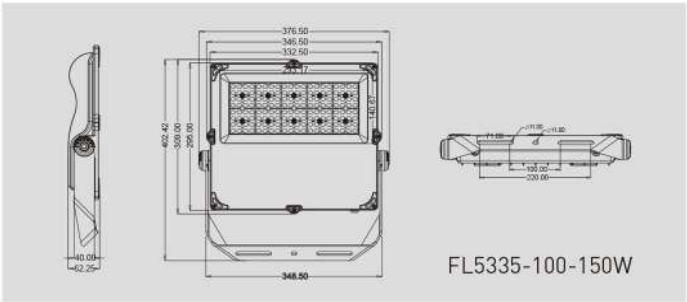
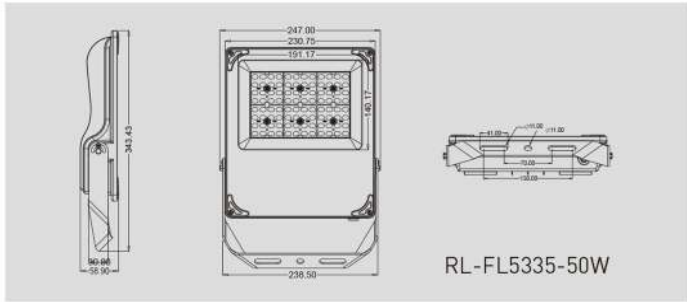
HIGH-EFFICIENCY LED FLOOD LIGHTING SOLUTION

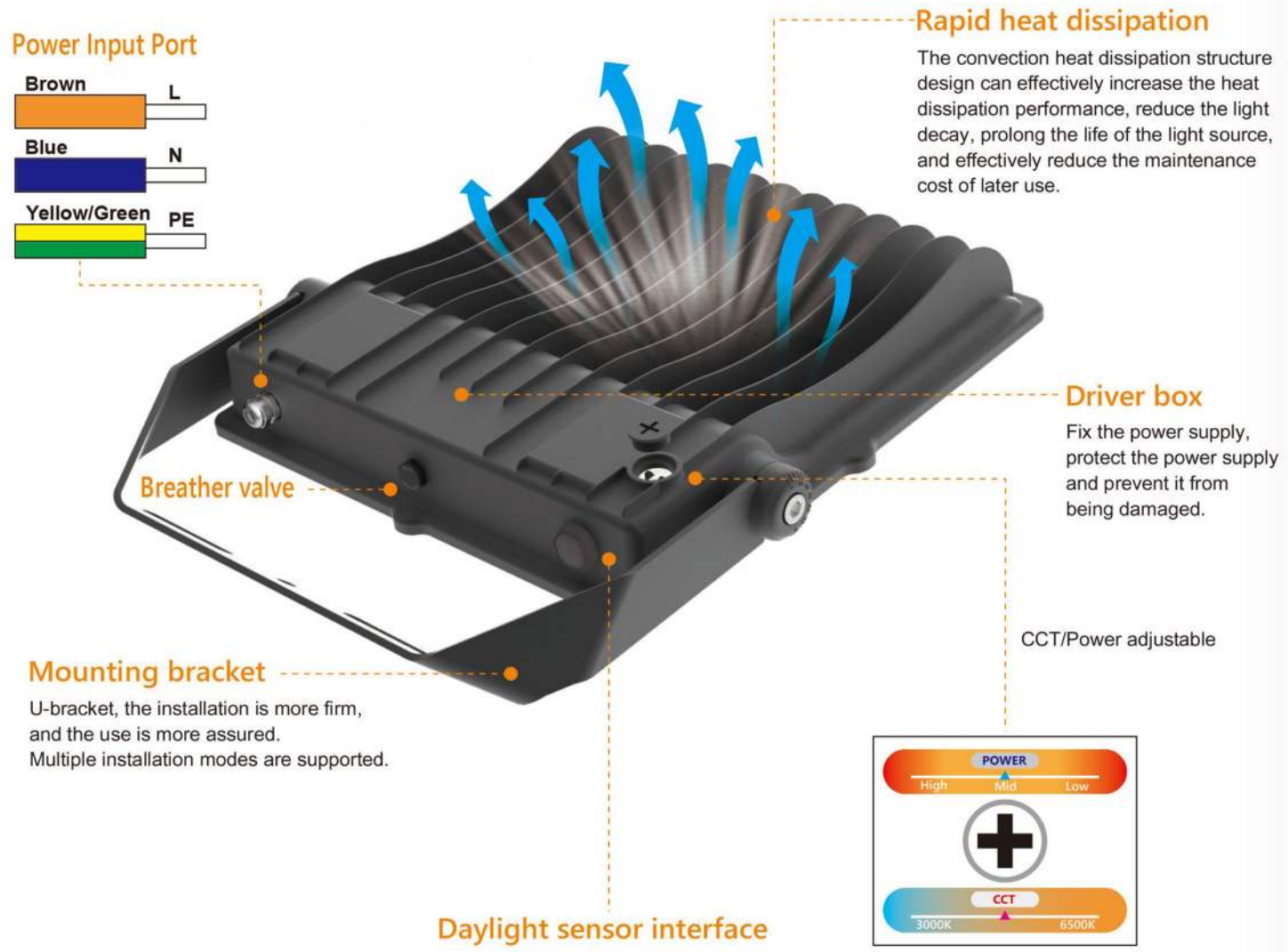
Power range from 50W to 400W
Widely used in Horts,industrial
areas,ports,Docks,airports,Billboard,and outdoor
security lighting.
Designed for outdoor & industrial applications

- Sealing design
- 140Lm/W
- 5 YEARS
Warranty
- IP66
- IK08
- 6KV/10KV
- LIFESPAN
50,000H
- 30°C~+45°C
- Easy
Installation
- Efficient heat
dissipation
- 30°/60°/90°
120°/T2/T3
- CCT
switchable
- POWER
switchable
- DIMMING
0/1-10V/DALI



Dimension(MM)





Parameters

Model No.	RL-FL5335-50W	RL-FL5335-100W	RL-FL5335-150W	RL-FL5335-200W	RL-FL5335-240W	RL-FL5335-300W	RL-FL5335-400W
Wattage Tunable	50W	100W	150W	200W	240W	300W	400W
Efficiency	140Lm/W	140Lm/W		140Lm/W		140Lm/W	
Luminous Flux	7000LM	14000LM	21000LM	28000LM	33600LM	42000LM	56000LM
LED Type	Lumileds/Samsung/Sanan						
CCT	3000K/4000K/5000K/5700K/6500K						
CRI	→70Ra(80Ra optional)						
Beam Angle	15°/30°/60°/90°/120°/Type II / Type III						
Power Supply	Meanwell/Sosen/Philips/Lifud						
Input Voltage	AC100-277V/AC220-240V						
Power Frequency	50/60Hz						
Power Factor	0.95						
DIM.OP	0-10V/1-10V/DALI						
SPD	6KV/10KV						
Heat Radiator	Die-cast aluminum						
Lens Material	PC+Glass						
Dimmable	Optional dimming						
Color temperatue	Tunable CCT						
IK Rating	IK08						
IP Rating	IP66						
Working Temperatur	- 30°C~+45°C						
Storing Temperatur	- 40°C~+70°C						
Lifetime(L70 Standard)	50,000 hours						
Warranty	5 Years						

Top-Tier Chips:

Equipped with high-brightness Lumileds/Samsung LED chips to ensure consistent color rendering and lumen maintenance.



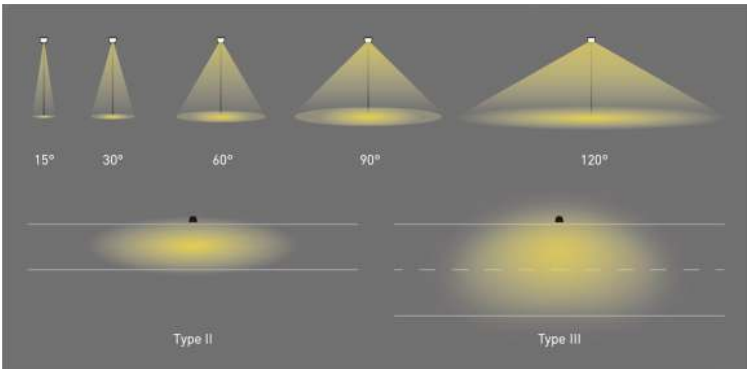
Reliable Drivers:

Powered by trusted drivers (Meanwell/Sosen/Philips/Lifudl with high power factor (>0.95) and low THD (<15%) for stable performance.



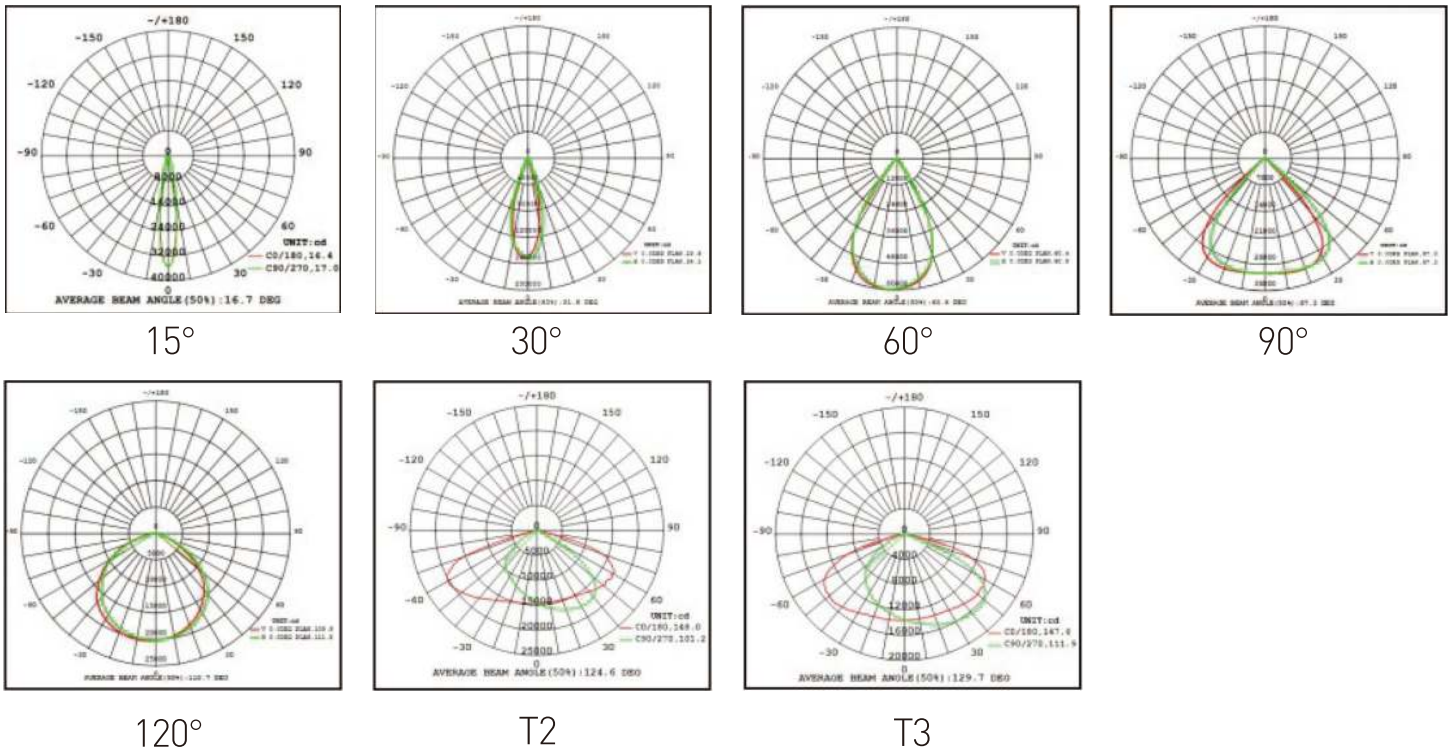
Precision Light Distribution

Provide multiple beam angle options ranging from 15° to 120°, and support Type II and Type III lighting schemes.

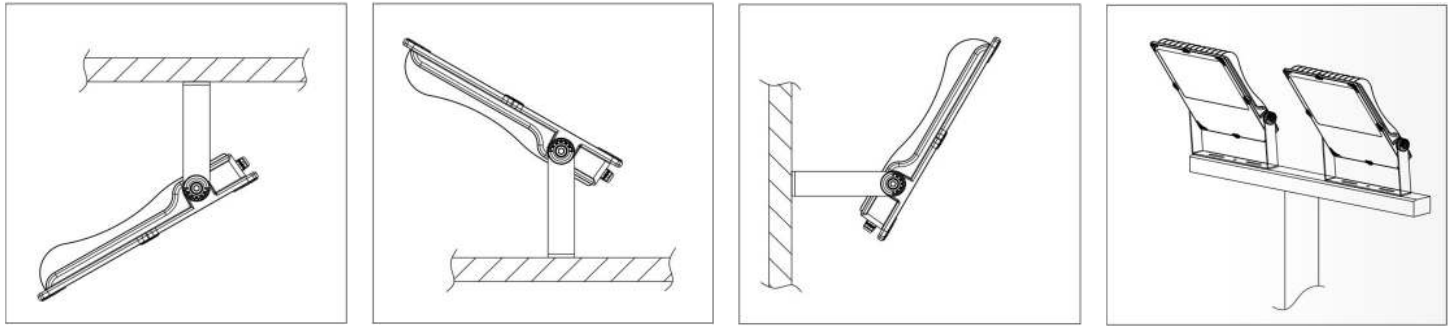


Photometric diagrams

Beam Angle: 15°/30°/60°/90°/120°/Type-II/Type-III



Installation Mode



One-Piece ADC12 Die-cast Aluminum Housing

Constructed with ADC12# die-cast aluminum, offering superior corrosion and rust resistance suited for harsh outdoor environments



Outdoor Protection

IP66 and IK08 ratings ensure reliable operation in demanding outdoor environments.



IP66 sealing against dust and sand



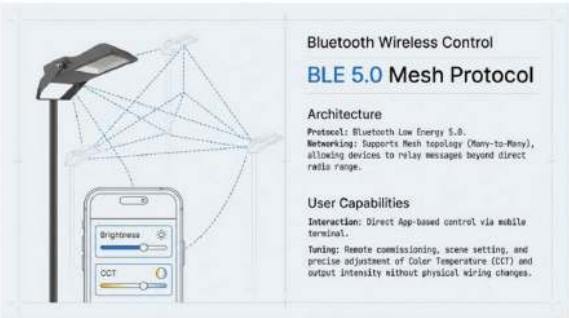
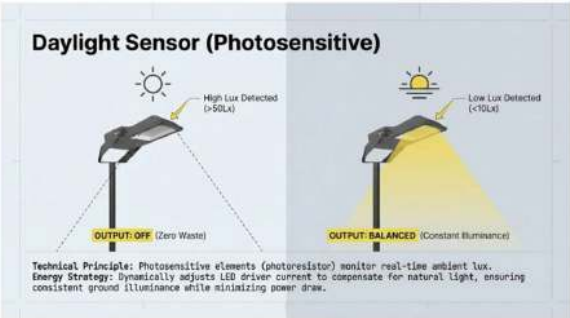
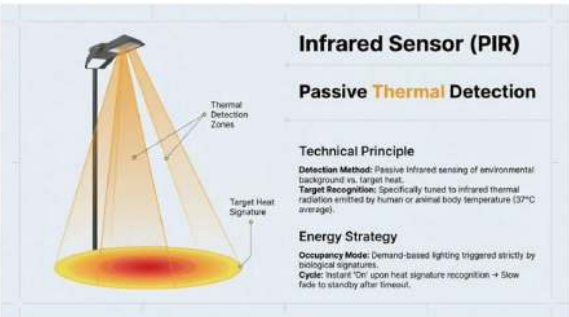
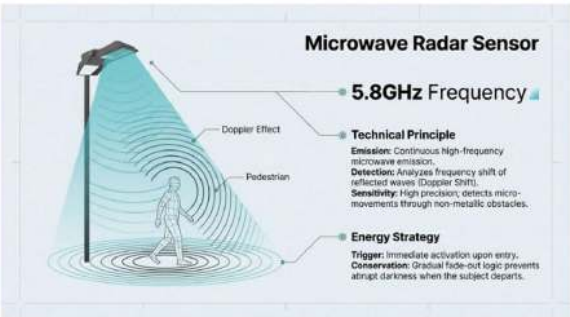
Stable performance under high temperatures

Surge Protection

Built-in 6KV/10KV SPD protects the fixture from electrical surges and lightning strikes.



High surge protection for unstable grids



Optional smart sensors:

Optional intelligent sensing solutions: microwave, infrared(PIR), Daylight, and Bluetooth, providing a more efficient and automated control method for lighting systems.

- Microwave Sensors
- Infrared(Pir) Sensors
- Daylight Sensors
- Bluetooth Sensors

Applications

Widely used in Horts,industrial areas,ports,Docks,airports,Billboard,and outdoor security lighting.



RL-FL5336-SERIES

LED Flood Light
HIGH-EFFICIENCY
LED FLOOD LIGHTING
SOLUTION



- 

120-140lm/W
- 

Warranty
- 

IK08
- 

IP66
- 

50,000H
- 

-20°C~+50°C
- 

High Brightness
- 

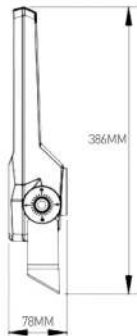
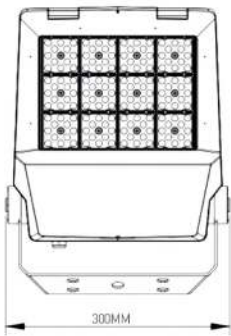
Efficient Heat Dissipation
- 

Easy Installation
- 

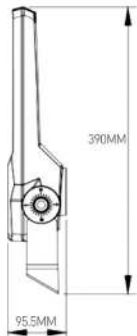
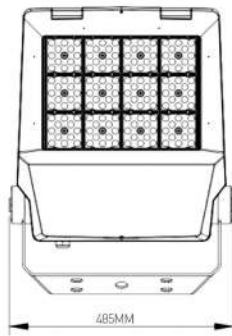
0/1-10V/DALI



Dimension (MM)



RL-FL5336-100W



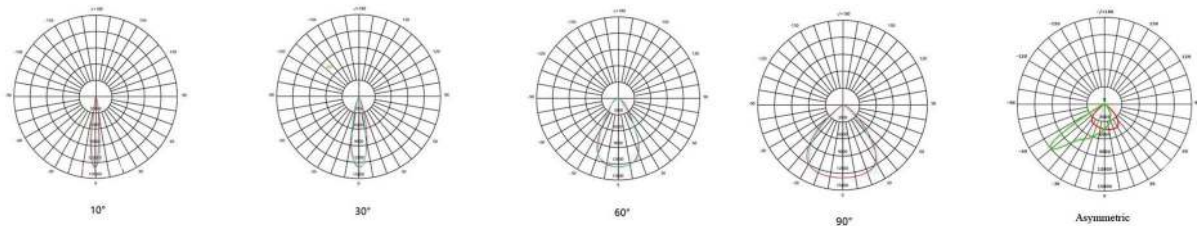
RL-FL5336-200W

Lamp body structure

The lamp body structure is made of high-quality aluminum alloy die-casting, and the surface is outdoor electrostatic spraying technology, which has strong weather resistance and high reliability.



Light Distribution



Outdoor Protection:

IP66 and IK08 rating ensure reliable operation in demanding outdoor environments.



IP66 sealing against dust and sand



Storing temperature -20°C~50°C

Stable performance under high temperatures

Surge Protection:

High-efficiency constant current drive, low energy consumption, full protection (over-current/voltage, lightning, high temperature) for stable product performance and long lifespan.



High surge protecting for unstable grids

Double Input cable

AC input cable+ dimming input cable



Parameters

Model No.	RL-FL5336-50W	RL-FL5336-100W	RL-FL5336-150W	RL-FL5336-200W
Power	50W	100W	150W	200W
Lumen	7000lm	14000lm	2100lm	28000lm
Efficiency	1401m/w*			
CCT	3000K,4000K,5700K			
CRI(Ra)	≥70			
SDCM	≤6			
Beam angle	13***, 30°,60°,90°,Asymmetric***			
Electrical parameters				
Input voltage	AC220-240V 50-60Hz			
Power Factor	>0.95			
Surge Protection	L-N:5KV , L/N-G:10KV			
Dimmable	0-10V,PWM,Time dimming(Optional)			
Mechanical parameters and key materials				
Housing	ADC12 die-cast aluminum, surface spray color: RAL9023 gray			
Cover Lens	UV-resistant PC			
LED Brand/Model	EDISON 3030			
LED Driver	MOSO			
General parameters				
Mounting	bracket mounting&Pole mounting			
Operating Temperature	-20 ~ +50°C			
Storage Humidity	10% ~ 85%			
Protection	IP66, IK08			
Electric class	ClassI			
Warranty	5 years			
Lumen Maintenance	50, 000 hours at L70			
DIM.OP	0-10V/1-10V/DALI			



RL-FL5337-SERIES

LED Flood Light
HIGH-EFFICIENCY
LED FLOOD LIGHTING
SOLUTION

The variety of beam angles:
25°/45°/60°/90°/80°152/80°145/120°148/P60
(optional).
Die-cast aluminum using with UV resistant powder
coat finish.
IP66, waterproof.

- 

160-165Lm/W
- 

Warranty
- 

IK08
- 

IP66
- 

50,000H
- 

-30°C~+50°C
- 

High
Brightness
- 

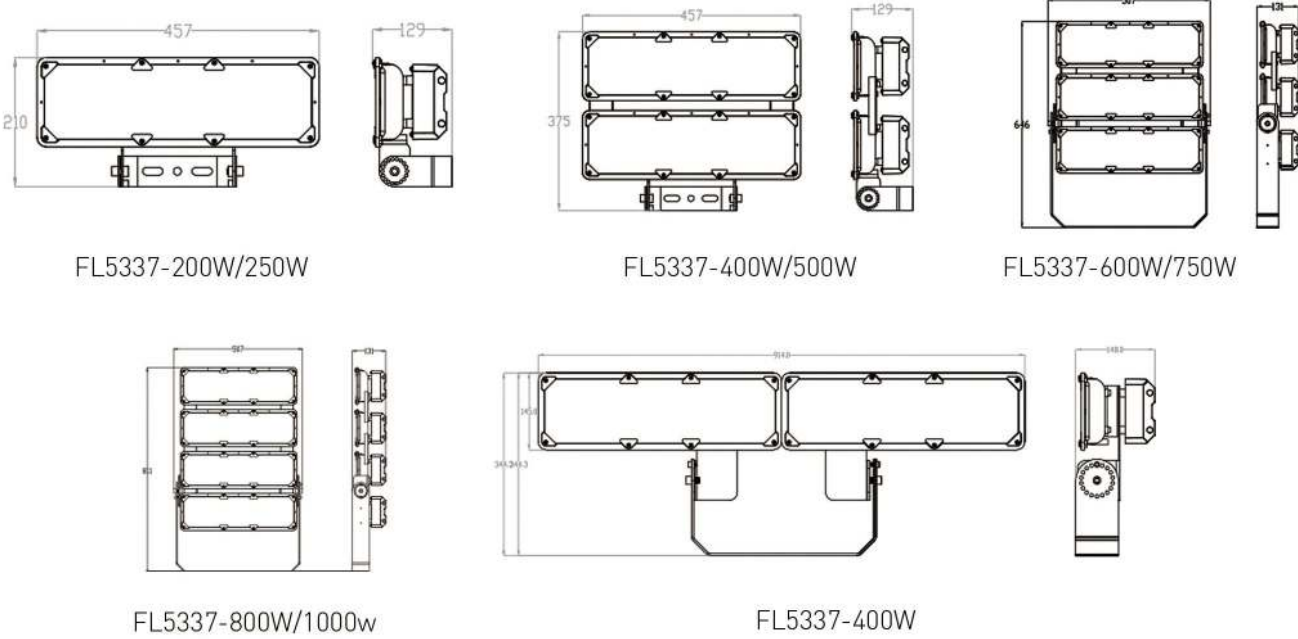
Efficient Heat
Dissipation
- 

Easy
Installation
- 

DIMMING
0/1-10V/DALI



Dimension (MM)



Lamp body structure

The lamp body structure is made of high-quality aluminum alloy die-casting, and the surface is outdoor electrostatic spraying technology, which has strong weather resistance and high reliability.



Outdoor Protection:

IP66 and IK08 rating ensure reliable operation in demanding outdoor environments.



IP66 sealing against dust and sand



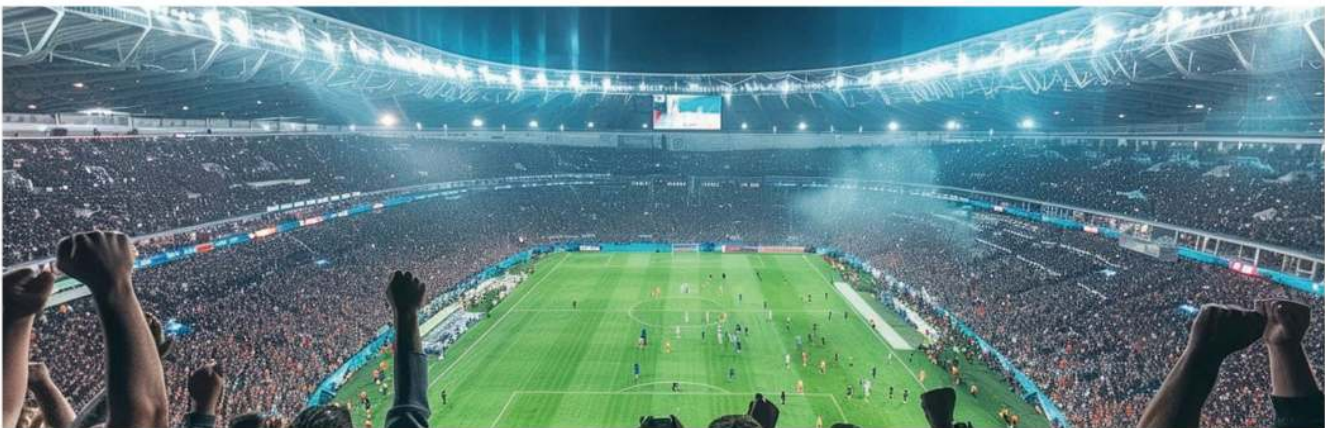
Stable performance under high temperatures

Surge Protection:

High-efficiency constant current drive, low energy consumption, full protection (over-current/voltage, lightning, high temperature) for stable product performance and long lifespan.



High surge protecting for unstable grids

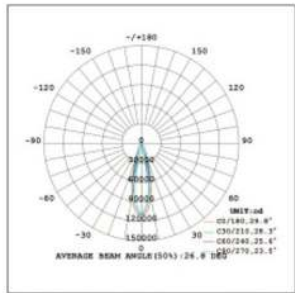


Parameters

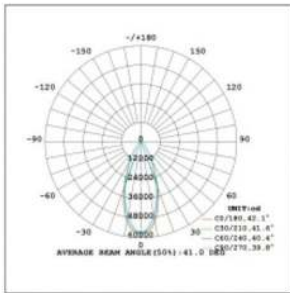
Model No.	RL-FL5337-200/250W	RL-FL5337-400/500W	RL-FL5337-600/750W	RL-FL5337-800/1000W
Wattage Tunable	200W/250W	400W/500W	600W/750W	800W/1000W
Efficiency	160-165LM/W	160-165LM/W	160-165LM/W	160-165LM/W
Luminous Flux	33000-40000LM	66000-80000LM	90000-120000LM	132000-160000LM
LED Type	Lumileds/Sanan			
CCT	3000K/4000K/5000K/5700K/6500K			
CRI	>70Ra(80Ra or 90Ra optional)			
Beam Angle	25°/45°/60°/90°/ 80°*152°/ 30°/ 80°*145°/ 120°*148°/ 45°*105°			
Power Supply	Inventronics/Sosen/Lafda/Moso			
Input Voltage	AC100-277V/AC220-240V			
Power Frequency	50/60Hz			
Power Factor	0.95			
Total Harmonic Distortion	<15%			
SPD	10KV OR 20KV external SPD optional			
Heat Radiator	Die-cast aluminum			
Lens Material	PC+Glass			
IK Rating	IK08			
IP Rating	IP66			
Working Temperature	- 30°C~+50°C			
Storing Temperature	- 40°C~+80°C			
Lifetime(L70 Standard)	50,000 hours			
Warranty	5 Years			
DIM.OP	0-10V/1-10V/DALI			

Photometric Diagrams

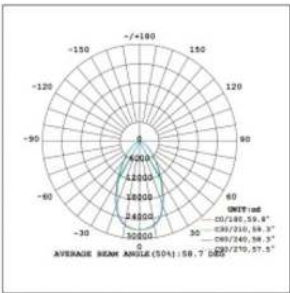
Beam Angle: 25°/45°/60°/90°/T2/T3/T4/P60(optional)



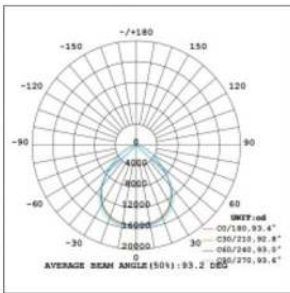
25°



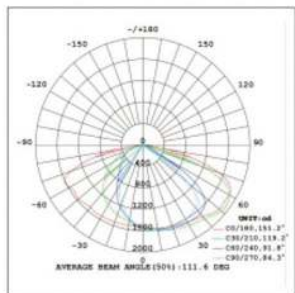
45°



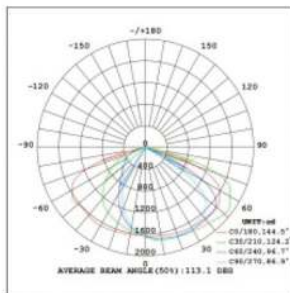
60°



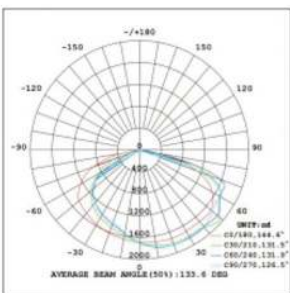
90°



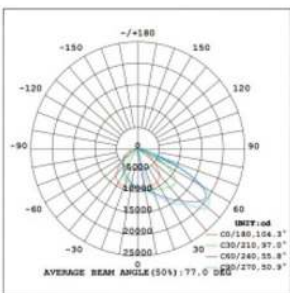
80*152



80*145



120*148



P60

Applications

Widely used in Horts, industrial areas, ports, Docks, airports, court and outdoor security lighting.

