



LED STREET LIGHT

RL-SR2046-SERIES

HIGH-EFFICIENCY STREET LIGHT SOLUTION

Energy-saving LED street light for a wide range of application. It is featured with excellent heat sink design as well as superior optical design. It provides long-lasting performance even in a diverse environment. The fixture is the best platform to achieve optimal balance between performance and cost.

150LM/W

5 YEARS

IP66

IK08

Easy installation

DIMMING

0/1-10V/DALI

LIFESPAN

50,000H

-20°C ~ +50°C

4/10KV

High brightness

Efficient heat dissipation

ETL Intertek

CB

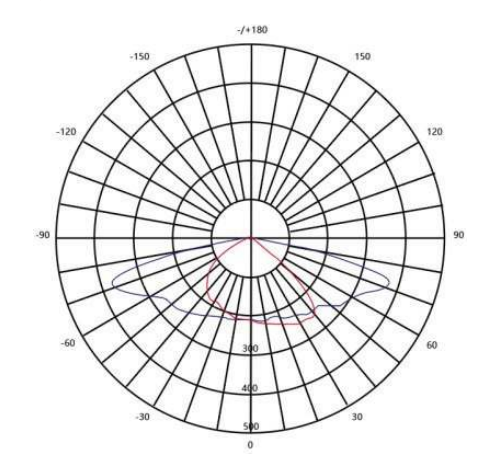
CE

RoHS

Angle adjustable

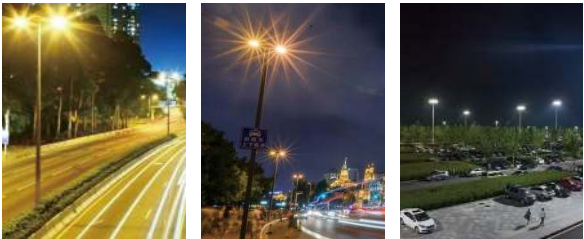


Light Distribution Curve



Applications

Urban/rural roads, Parking lots, Streets, Public areas

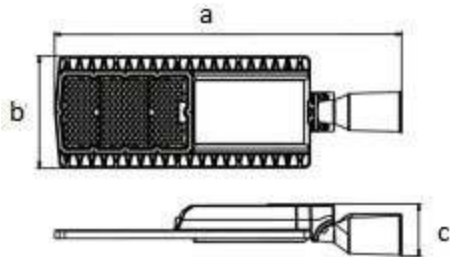


Outdoor Protection

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



Dimensions

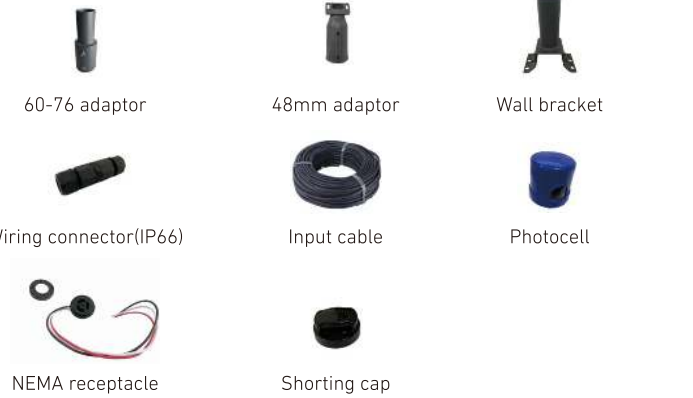


RL-SR2046-1: a=425mm/b=117mm/c=76mm
RL-SR2046-2: a=494mm/b=155mm/c=76mm
RL-SR2046-3: a=623mm/b=200mm/c=76mm
RL-SR2046-4: a=775mm/b=200mm/c=76mm

It can be matched with NEMA3 baseand cooperate with intelligent controller to realize intelligent control function.



Accessories



Parameters

Model No.	RL-SR2046-1		RL-SR2046-2		RL-SR2046-3		RL-SR2046-4	
Power	30W	40W	50W	60W	100W	120W	150W	200W
Lumen	4500Lm	6000Lm	7500Lm	9000Lm	15000Lm	18000Lm	22500Lm	30000Lm
LUMENS	150LM/W							
DIM.OP	0-10V/1-10V/DALI							
CCT (Typ. K ± 10%)	3000K, 4000K, 5700K							
CRI (Ra)	≥70							
SDCM	≤6							
Beam angle	Type II							
Input voltage	AC220-240V 50/60Hz							
Power Factor	>0.95							
Surge Protection	SP1 SP2: EDISON Isolated 4KV, SP3 SP4: MOSO 6KV**							
Dimmable	0-10V, PWM, Timer dimming (Optional)							
Housing	High-pressure die-cast aluminum RAL9023 gray							
Cover Lens	UV-resistant PC							
LED Drive	SP1 SP2: EDISON Isolated , SP3 SP4: MOSO							
LED Brand/Model	SP1 SP2 SP3 EDISON 3030 , SP4 EDISON 5050							
Mounting	Side entry or post-top							
Operating Temperature	- 20 ~ + 50°C							
Storage humidity	10% ~ 85%							
Protection	IP66, IK08							
Electrical class	Class							
Safety Approval	CB, CE, ENEC							
Lumen maintenance	50,000 hours at L70							
Warranty	5 Years							

RL-SR2047-SERIES

HIGH-EFFICIENCY STREET LIGHT SOLUTION

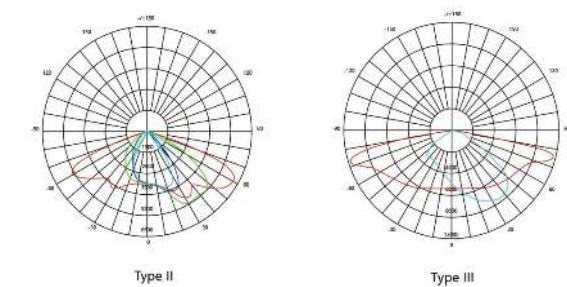
High performance series street light providing ultra-flexible lighting solution. The luminaire is specifically designed with long-lasting performance, with high-pressure die-casting aluminum, It is designed with ZHAGA and NEMA socket to provide numerous control options, available with 0-10V, DALI or custom dimming profile



Angle adjustable

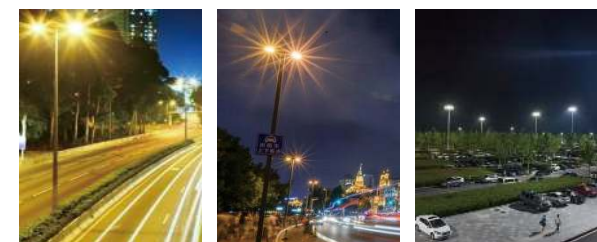


Light Distribution Curve



Applications

Various roads, Parking lots, Parks, Squares

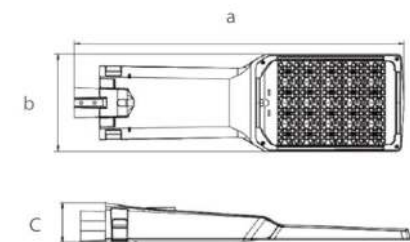


Outdoor Protection

IP65 and IK09 ratings ensure reliable operation in demanding outdoor environments. It can also be used normally in extremely cold or high temperature environment



Dimensions



RL-SR2047-1: a=514mm/b=210mm/c=111mm
RL-SR2047-2: a=578mm/b=235mm/c=95mm
RL-SR2047-4: a=770mm/b=235mm/c=95mm
RL-SR2047-6: a=895mm/b=340mm/c=104mm

Parameters

Model No.	RL-SR2047-1		RL-SR2047-2		RL-SR2047-4		RL-SR2047-6	
Power	40W	60W	80W	100W	150W	180W	240W	300W
Lumen	5600Lm	8400Lm	11200Lm	14000Lm	21000Lm	25200Lm	33600Lm	42000Lm
LUMENS	140LM/W							
CCT (Typ. K ± 10%)	3000K, 4000K, 5700K							
DIM.OP	0-10V/1-10V/DALI							
CRI (Ra)	≥70							
SDCM	≤6							
Beam angle	Type II , Type III							
Input voltage	AC100-240V /220-240V 50-60Hz							
Power Factor	> 0.95							
Surge Protection	MOSO:L-N: 5KV, INVENTRONICS:L-N: 6KV							
Dimmable	0-10V, PWM, Timer dimming (Optional)							
Housing	High-pressure die-cast aluminum RAL9023 gray							
Lens	UV-resistant polycarbonate							
Cover	Tempered glass							
LED Drive	MOSO (100-240V) INVENTRONICS (220-240V)							
LED Brand/Model	EDISON 5050							
Mounting	Side entry or post-top							
Operating Temperature	- 20 ~ + 50°C							
Storage humidity	10% ~ 85%							
Protection	IP66, IK09							
Electrical class	Class							
Safety Approval	CB, CE, ENEC							
Lumen maintenance	50,000 hours at L70							
Warranty	5 Years							



Accessories



RL-SR2048-SERIES

HIGH-EFFICIENCY STREET LIGHT SOLUTION

High performance series street light providing ultra-flexible lighting solution. The luminaire is specifically designed with long-lasting performance, with high-pressure die-casting aluminum, It is designed with ZHAGA and NEMA socket to provide numerous control options, available with 0-10V, DALI or custom dimming profile



160-190LM/W



Warranty



IP66



IK08



Easy installation



0/1-10V/DALI



50,000H



-30°C~ + 50°C



4/10KV



High brightness



Efficient heat dissipation









DUSK TO DAWN
PHOTOCELL SENSOR



Automatic inductor

Automatically sense the intensity for light. When the light is weak nearnight,the lamp will turn on automatically when the light is bright, the lamp will turn off automatically



Die-casting aluminum housing

Die-casting aluminum body with anti-corrosion powder painting, large heat dissipation area, good thermal conductivity





Large lamp
656*260*84mm



Medium lamp
594*240*84mm



Small lamp
506*200*79mm

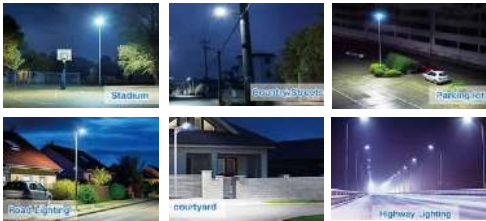
Installation

Vertical/Straight arm mounting
Easy Installation



Applications

Parking lot, Courtyard, Municipal Road installation
Highway Lighting, Road Lighting

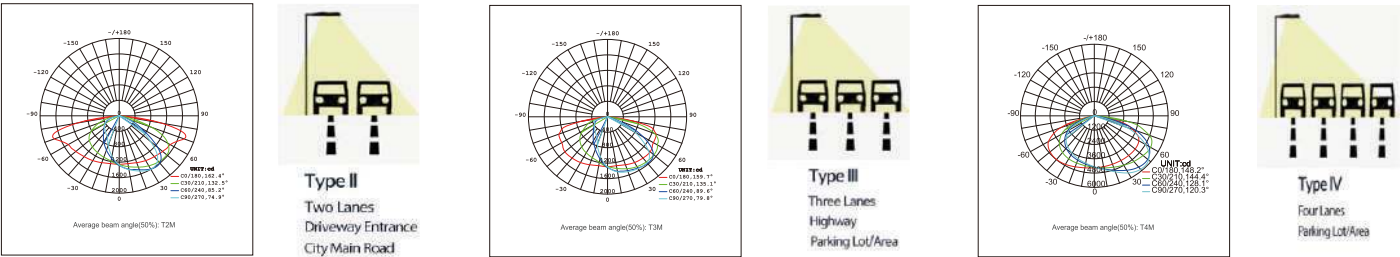


Outdoor Protection

IP65 and IK09 ratings ensure reliable operation in demanding outdoor environments. It can also be used normally in extremely cold or high temperature environment



Photometric diagrams



Parameters

Model No.	RL-SR2048-30/40/50/60W		RL-SR2048-70/80/90/100/110/120W		RL-SR2048-130/140/150/160/170/180/190/200W	
LED Type	Lumileds/Sanan					
Efficiency	160Lm/W-190Lm/W					
Luminous Flux	5700LM-9600LM	13,300LM-19,200LM		24,700LM-32,000LM		
CCT	3000K/4000K/5000K/5700K/6500K					
DIM.OP	0-10V/1-10V/DALI					
Beam Angle	T2/T3/T4					
CRI	>70Ra					
Power Supply	Meanwell/Sosen/Inventronics					
Input Voltage	AC100-277V/220-240V					
Power Frequency	50/60Hz					
Power Factor	0.95					
Total Harmonic Distortion	<15%					
IP Rating	IP66					
SPD	Built-in 4KV, 10KV external SPD optional					
Lifetime(L70 Standard)	50,000 hours					
Heat Radiator	Die-cast aluminum					
Lens Material	Glass					
Warranty	5 Years					

RL-SR2049-SERIES

HIGH-EFFICIENCY STREET LIGHT SOLUTION

High-performance street lighting solution independently developed by Edison. Featuring IK08-rated tempered glass and an IP66 waterproof rating, it ensures excellent durability and reliability. Compatible with smart control modules such as ZHAGA receptacles, it supports intelligent lighting functions including 0-10V dimming for versatile project applications



165LM/W



Warranty



IP66



IK08



Easy installation



0/1-10V/DALI



50,000H



-20°C~ + 50°C



4/10KV



High brightness



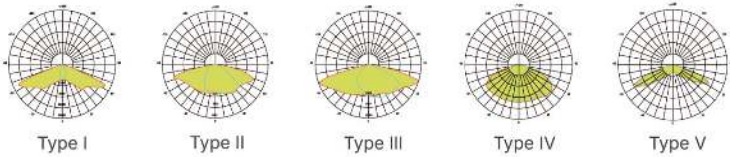
Efficient heat dissipation



RL-SR2049-1

RL-SR2049-2

Light Distribution Curve



Outdoor Protection

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

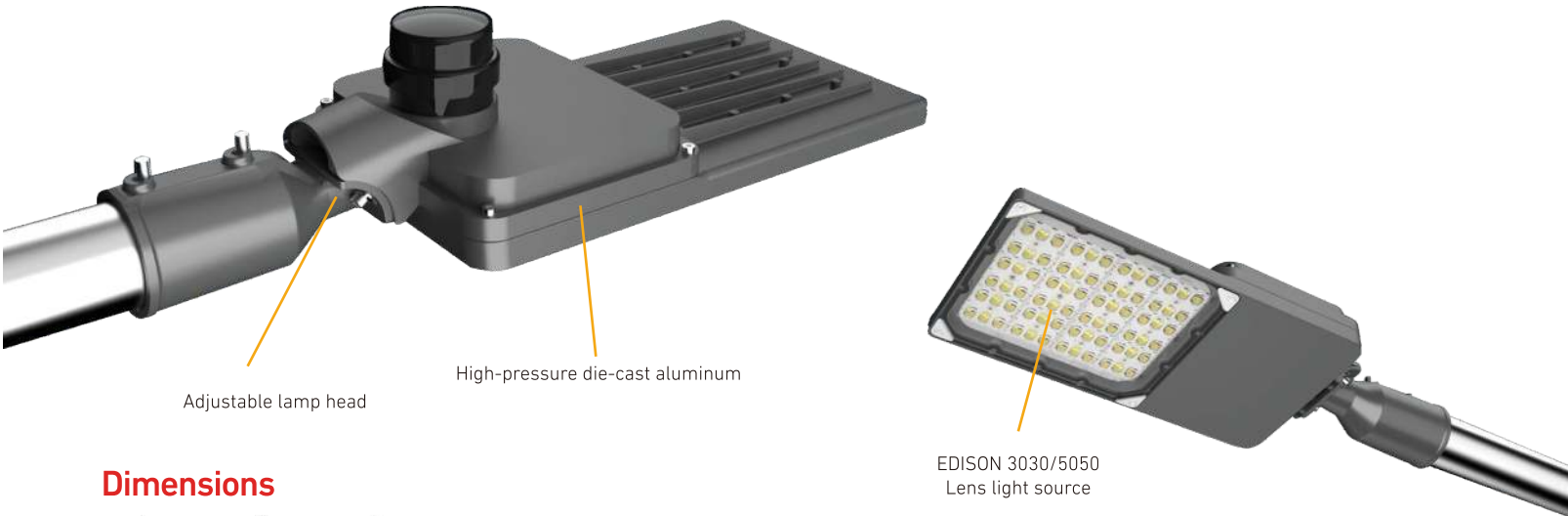
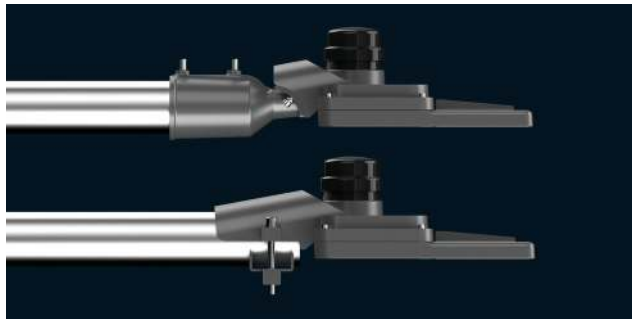


Applications

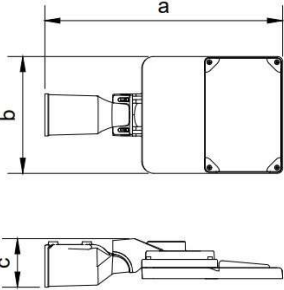
Road & highway lighting, Urban road & street lighting, Residential area lighting, Parks & perimeter lighting, Parking lot lighting, Riverside & jogging track



Two installation methods



Dimensions



RL-SR2049-1: a=424mm/b=208mm/c=87mm
RL-SR2049-2: a=516mm/b=208mm/c=87mm

Accessories



Parameters

Model No.	RL-SR2049-1	RL-SR2049-2
Power	50W	100W
Lumen	8250Lm	16500Lm
LUMENS	165LM/W	
CCT (Typ. K ± 10%)	1800K/ 2700K/ 3000K/3500K/4000K/5700K/6500K	
CRI (Ra)	≥70	
SDCM	≤6	
Beam angle	Type I, Type II , Type III, Type IV, Type V is optional	
Input voltage	AC100-240V /220-240V 50-60Hz	
Power Factor	> 0.95	
Surge Protection	SPD 10KV/20KV is optional.	
DIM.OP	0-10V, 1-10V,PWM, Timer dimming (Optional)	
Housing	High-pressure die-cast aluminum , RAL9023 gray	
Lens	UV-resistant polycarbonate	
Cover	Tempered glass	
LED Drive	MOS0/INVENTRONICS/S0SEN	
LED Brand/Model	EDISON 3030/5050	
Mounting	Side entry or post-top	
Operating Temperature	- 20 ~ + 50°C	
Storage humidity	10% ~ 85%	
Protection	IP66, IK08	
Electrical class	CLASS I or CLASS II	
Safety Approval	CE	
Lumen maintenance	100,000 hours at L70	
Warranty	5 Years	

RL-SR2050-SERIES

HIGH-EFFICIENCY STREET LIGHT SOLUTION

High performance series street light providing ultra-flexible lighting solution. The luminaire is specifically designed with long-lasting performance, with high-pressure die-casting aluminum. It is designed with ZHAGA and NEMA socket to provide numerous control options, available with 0-10V, DALI or custom dimming profile



150LM/W



Warranty



IP66



IK10



Easy installation



0/1-10V/DALI



50,000H



-20°C~ + 50°C



4/10KV



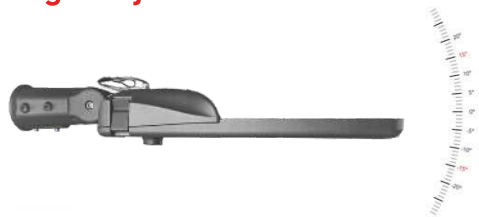
High brightness



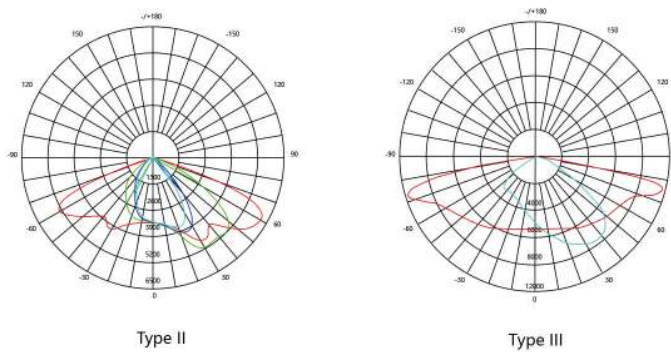
Efficient heat dissipation



Angle adjustable



Light Distribution Curve



Applications

Various roads, Parking lots, Parks, Squares



RL-SR2050-1

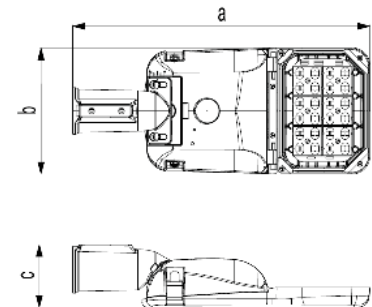
RL-SR2050-2

Outdoor Protection

IP66 and IK10 ratings ensure reliable operation in demanding outdoor environments. It can also be used normally in extremely cold or high temperature environment



Dimensions



RL-SR2050-1: a=498mm/b=211mm/c=105mm
RL-SR2050-2: a=598mm/b=211mm/c=105mm

Parameters

Model No.	RL-SR2050-1			RL-SR2050-2	
Power	40W	60W	80W	100W	120W
Lumen	6000Lm	10500Lm	12000Lm	15000Lm	18000Lm
LUMENS	150LM/W				
CCT (Typ. K ± 10%)	3000K, 4000K, 5700K				
CRI (Ra)	≥70				
SDCM	≤6				
Beam angle	Type II , Type III				
Input voltage	220-240V, 50-60Hz				
Power Factor	> 0.95				
Surge Protection	CLASS II : Inventronics:L-N: 6KV				
DIM.OP	0-10V,1-10V, PWM, Dali, Timer dimming (Optional)				
Housing	ADC12 High-pressure die-cast aluminum RAL9023 gray				
Lens	UV-resistant polycarbonate				
Cover	Tempered glass				
LED Drive	Inventronics				
LED Brand/Model	EDISON 5050				
Mounting	Side entry or post-top				
Operating Temperature	- 20 ~ + 50°C				
Storage humidity	10% ~ 85%				
Protection	IP66, IK10				
Electrical class	Class				
Safety Approval	CE, CB, ENEC,ENEC+				
Lumen maintenance	50,000 hours at L70				
Warranty	5 Years				



Accessories



RL-SR2051-SERIES

HIGH-EFFICIENCY STREET LIGHT SOLUTION

High performance series street light providing ultra-flexible lighting solution. The luminaire is specifically designed with long-lasting performance, with high-pressure die-casting aluminum, It is designed with ZHAGA and NEMA socket to provide numerous control options, available with 0-10V, DALI or custom dimming profile



140LM/W



Warranty



IP66



IK09



Easy installation



0/1-10V/DALI



50,000H



-20°C~ + 50°C



4/10KV



High brightness



Efficient heat dissipation





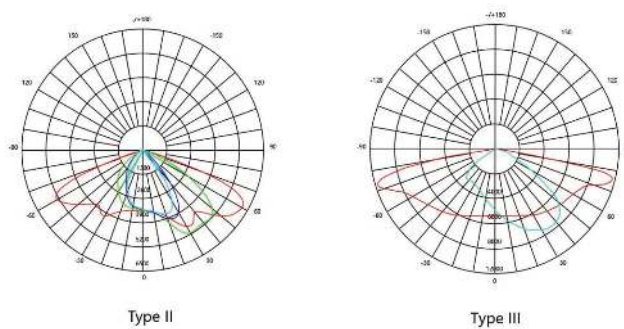




Angle adjustable



Light Distribution Curve



Applications

Various roads, Parking lots, Parks, Squares

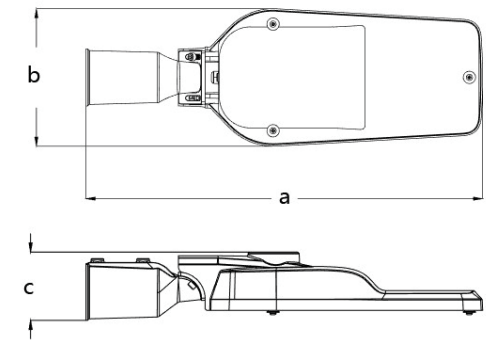


Outdoor Protection

IP66 and IK10 ratings ensure reliable operation in demanding outdoor environments. It can also be used normally in extremely cold or high temperature environment



Dimensions



RL-SR2051-1: a=520mm/b=180mm/c=90mm
RL-SR2051-2: a=675mm/b=197mm/c=91mm

Accessories



Parameters

Model No.	RL-SR2051-1		RL-SR2051-2	
Power	40W	60W	80W	100W
Lumen	5600Lm	8400Lm	11200Lm	14000Lm
LUMENS	140LM/W			
CCT (Typ. K ± 10%)	3000K, 4000K, 5700K			
CRI (Ra)	≥70			
SDCM	≤6			
Beam angle	Type II , Type III			
Input voltage	AC100-240V /220-240V 50-60Hz			
Power Factor	>0.95			
Surge Protection	EDISON Isolated L-N: 4KV, MOSO:L-N: 5KV**,INVENTRONICS:L-N: 6KV			
DIM.OP	0-10V, 1-10V, PWM, Timer dimming (Optional)			
Housing	High-pressure die-cast aluminum RAL9023 gray			
Lens	UV-resistant polycarbonate			
Cover	Tempered glass			
LED Drive	SG1 EDISON Isolated, SG2 MOSO (100-240V) INVENTRONICS (220-240V)			
LED Brand/Model	EDISON 5050			
Mounting	Side entry or post-top			
Operating Temperature	- 20 ~ + 50°C			
Storage humidity	10% ~ 85%			
Protection	IP66, IK09			
Electrical class	CLASS II			
Safety Approval	CB, CE, ENEC			
Lumen maintenance	50,000 hours at L70			
Warranty	5 Years			