

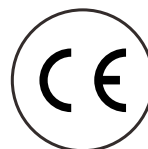


LED Stadium Light

A series
SPECIFICATION



SHENZHEN SUNPER OPTO CO., LTD.





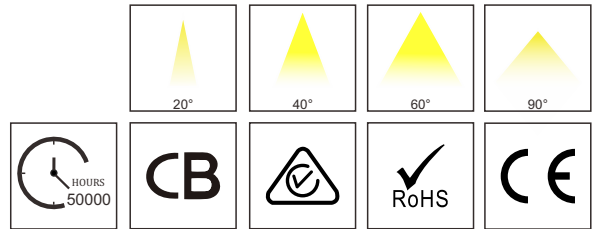
Features

1. Waterproof level IP66;
2. Each module can be rotated by 30° sideways;
3. Bracket can be rotated by 240° to each the various heights of pole;
4. 20°/40°/60°/90°/140°*100° beam angle for option;
5. 0-10V dimming / non-dimming available;
6. CB, RCM, CE, RoHS, LCP, TM21, LM79, IP66, IES test reports.

Application Areas

Applied in large sports field lighting, golf and tennis court, racetrack, badminton, roads, football, basketball, tower lights, etc. Can also be applied in large square, airport, commercial building, construction engineering, farm, amusement parks, parking lots, harbor, industrial buildings, and other special lighting environment.





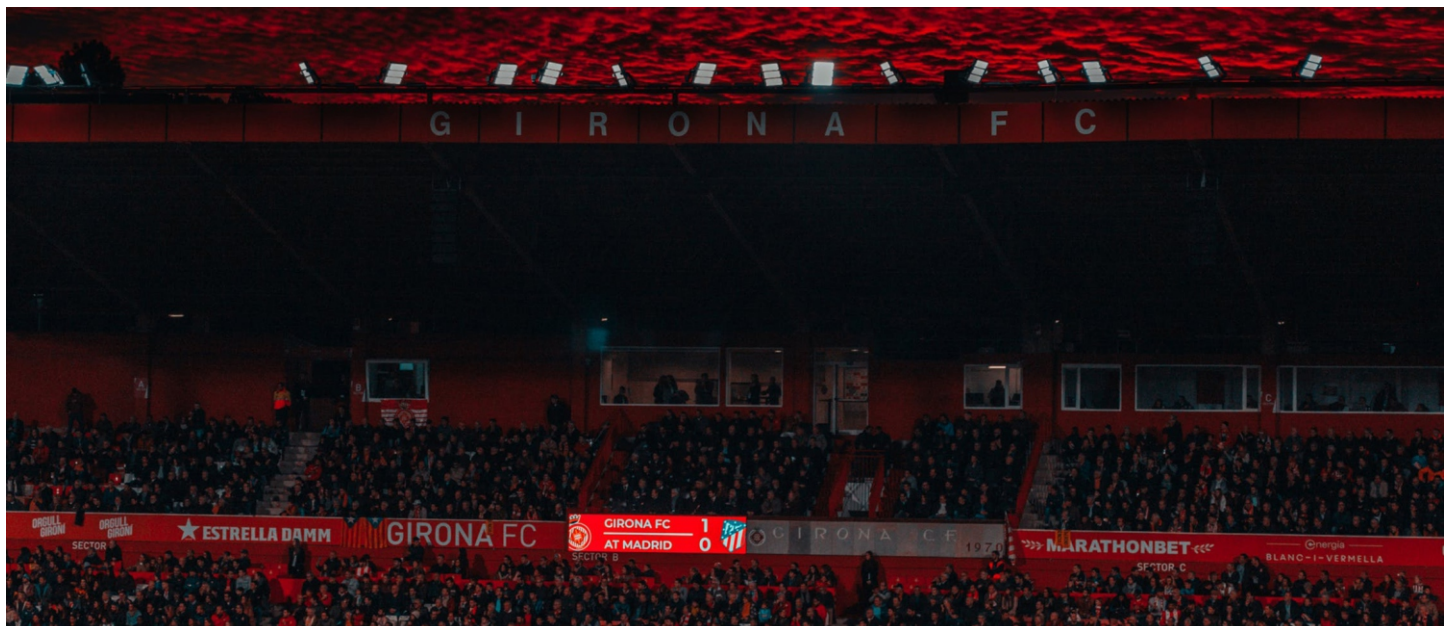
Model	Dimension(mm)				Size(mm)	Product Weight(Kg)		Package Weight(Kg)		Carton Size(mm)	Qty/CTN	20GP (pcs)	40HQ (pcs)
	A	B	C	D		N.W/pcs	G.W/pcs	N.W/CTN	G.W/CTN				
120W	116	312	230	213	312*230*110	2.54	2.76	2.54	2.76	365*273*171	1	1260	3612
240W	266	382	342	247	382*342*132	5.8	6.78	5.8	6.78	424*387*180	1	840	2275
300W	398	382	475	247	382*475*132	7.06	9.1	7.06	9.1	519*424*180	1	624	1650
360W	398	382	475	247	382*475*132	8.1	10.2	8.1	10.2	519*424*180	1	624	1650
480W-A	530	382	597	369	382*597*132	9.1	10.4	9.3	10.5	647*424*180	1	480	1350
480W-B	266	669	342	247	669*342*132	9.5	10.8	9.5	10.8	712*387*180	1	465	1232
720W-A	794	382	861	369	382*342*138	13.8	15.4	14.1	15.6	911*424*180	1	360	900
720W-B	398	669	475	247	669*475*132	14.4	15.8	14.5	15.8	712*519*180	1	372	960
960W	530	669	597	369	669*597*132	17.8	20.2	18.4	20.2	712*651*180	1	279	720
1200W	662	669	729	369	669*729*138	21.9	24.1	22.3	24.1	783*712*180	1	231	528
1440W	794	669	861	369	669*342*138	27.1	29.6	27.4	30.9	915*1712*180	1	198	480

Technical Data Sheet-1

Model No.		SP-SL-120WA	SP-SL-240WA	SP-SL-300WA	SP-SL-360WA	SP-SL-480WA-A	SP-SL-480WA-B
Watt(W)		120W	240W	300W	360W	480W	480W
Dimension(mm)		312*230*110	382*342*132	382*475*132	382*475*132	382*597*132	669*342*132
Rated Input Voltage(V)		AC100-277V	AC100-277V	AC100-277V	AC100-277V	AC100-277V	AC100-277V
LED		SMD3030/5050	SMD3030/5050	SMD3030/5050	SMD3030/5050	SMD3030/5050	SMD3030/5050
CCT(K)		2700K - 6500K	2700K - 6500K	2700K - 6500K	2700K - 6500K	2700K - 6500K	2700K - 6500K
Luminous Flux (lm) ±5%	Non-DIM	15,000-18,000	30,000-36,000	37,500-45,000	45,000-54,000	60,000-72,000	60,000-72,000
	DIM	_____	_____	_____	_____	_____	_____
Beam Angle(°)		20°/40°/60°/90°/140°*100°					
CRI		Ra>70	Ra>70	Ra>70	Ra>70	Ra>70	Ra>70
DIM		0-10V DC dimmable/PWM signal dimmable/resistance dimmable					
Protection Class		Class I	Class I	Class I	Class I	Class I	Class I
IP Rating		IP66	IP66	IP66	IP66	IP66	IP66
Wind Rating		51.0-56.0m/s	51.0-56.0m/s	51.0-56.0m/s	51.0-56.0m/s	51.0-56.0m/s	51.0-56.0m/s
Finishing Color		Oxidation	Oxidation	Oxidation	Oxidation	Oxidation	Oxidation
Material		AL1070	AL1070	AL1070	AL1070	AL1070	AL1070
Lifetime (hr)		>54,000	>54,000	>54,000	>54,000	>54,000	>54,000
Glow Wire Test (°C)		650°C	650°C	650°C	650°C	650°C	650°C
Ambient Temp.(°C)		-20°C ~ 45°C	-20°C ~ 45°C	-20°C ~ 45°C	-20°C ~ 45°C	-20°C ~ 45°C	-20°C ~ 45°C
Storage Temp.(°C)		-20°C ~ 65°C	-20°C ~ 65°C	-20°C ~ 65°C	-20°C ~ 65°C	-20°C ~ 65°C	-20°C ~ 65°C
Installation		Bracket	Bracket	Bracket	Bracket	Bracket	Bracket
Brand Driver Option		Meanwell/Sosen	Meanwell/Sosen	Meanwell/Sosen	Meanwell/Sosen	Meanwell/Sosen	Meanwell/Sosen
IK		Ik08	Ik08	Ik08	Ik08	Ik08	Ik08

Technical Data Sheet-2

Model No.		SP-SL-720WA	SP-SL-720WB	SP-SL-960WA	SP-SL-1200WA	SP-SL-1440WA
Watt(W)		720W	720W	960W	1200W	1440W
Dimension(mm)		382*861*138	669*475*132	669*597*132	669*729*138	669*861*138
Rated Input Voltage(V)		AC100-277V	AC100-277V	AC100-277V	AC100-277V	AC100-277V
LED		3030/5050	3030/5050	3030/5050	3030/5050	3030/5050
CCT(K)		2700K – 6500K	2700K – 6500K	2700K – 6500K	2700K – 6500K	2700K – 6500K
Luminous Flux (lm) ±5%	Non-DIM	90,000-108,000	90,000-108,000	120,000-144,000	150,000-180,000	180,000-216,000
	DIM	———	———	———	———	———
Beam Angle(°)		20°/40°/60°/90°/140°100°	20°/40°/60°/90°/140°100°	20°/40°/60°/90°/140°100°	20°/40°/60°/90°/140°100°	20°/40°/60°/90°/140°100°
CRI		Ra>70	Ra>70	Ra>70	Ra>70	Ra>70
DIM		0-10V DC dimmable/PWM singal dimmable/resistance dimmable				
Protection Class		Class I	Class I	Class I	Class I	Class I
IP Rating		IP66	IP66	IP66	Ip66	IP66
IK Rating		/	/	/	/	/
Finishing Color		Oxidation	Oxidation	Oxidation	Oxidation	Oxidation
Material		AL1070	AL1070	AL1070	AL1070	AL1070
Lifetime (hr)		>54,000	>54,000	>54,000	>54,000	>54,000
Glow Wire Test (°C)		650°C	650°C	650°C	650°C	650°C
Ambient Temp.(°C)		-20°C ~ 45°C	-20°C ~ 45°C	-20°C ~ 45°C	-20°C ~ 45°C	-20°C ~ 45°C
Storage Temp.(°C)		-20°C ~ 60°C	-20°C ~ 60°C	-20°C ~ 60°C	-20°C ~ 60°C	-20°C ~ 60°C
Installation		Bracket	Bracket	Bracket	Bracket	Bracket
Brand Driver Option		Meanwell/SOSEN	Meanwell/SOSEN	Meanwell/SOSEN	Meanwell/SOSEN	Meanwell/SOSEN



Driver Datasheet (Non-dimmable)-1

Power	120W	240W	300W	360W	480W-A	480W-B
Rated Input Voltage(V)	AC100-277V	AC100-277V	AC100-277V	AC100-277V	AC100-277V	AC100-277V
Frequency	47-63Hz	47-63Hz	47-63Hz	47-63Hz	47-63Hz	47-63Hz
Input Voltage(V)	AC90-305V	AC90-305V	AC90-305V	AC90-305V	AC90-305V	AC90-305V
Efficiency	90%-95%	90%-95%	90%-95%	90%-95%	90%-95%	90%-95%
Total Load Wattage	120W±5%	240W±5%	300W±5%	360W±5%	480W±5%	480W±5%
Power Factor	PF>0.94	PF>0.94	PF>0.94	PF>0.94	PF>0.94	PF>0.94
Rated Input Current	≤1.5A	≤2.3A	≤3.2A	≤3.8A	≤4.6A	≤4.6A
Full Load Output Voltage	48V	48V	48V	48V	48V	48V
Rated Output Current	2.25A	4.65A	5.78A	6.9A	9.3A	9.3A
Output Voltage Range	24-48V	24-48V	29-58V	24-48V	24-48V	24-48V
Power Tolerance	±5%	±5%	±5%	±5%	±5%	±5%
Current Output Tolerance	±5%	±5%	±5%	±5%	±5%	±5%
Short Circuit Protection	PASS	PASS	PASS	PASS	PASS	PASS
Over Temperature Protection	PASS	PASS	PASS	PASS	PASS	PASS
THD	<20%	<20%	<10%	<20%	<20%	<20%
Withstand Voltage	I/P-O/P:3.75KV I/P-FG:2.0KV O/P-FG:0.5KV					

Driver Datasheet (Non-dimmable)-2

Power	720W-A	720W-B	960W	1200W	1440W
Rated Input Voltage(V)	AC100-277V	AC100-277V	AC100-277V	AC100-277V	AC100-277V
Frequency	47-63Hz	47-63Hz	47-63Hz	47-63Hz	47-63Hz
Input Voltage(V)	AC90-305V	AC90-305V	AC90-305V	AC90-305V	AC90-305V
Efficiency	90%-95%	90%-95%	90%-95%	90%-95%	90%-95%
Total Load Wattage	720W±5%	720W±5%	960W±5%	1200W±5%	1440W±5%
Power Factor	PF>0.94	PF>0.94	PF>0.94	PF>0.94	PF>0.94
Rated Input Current	≤6.9A	≤6.9A	≤9.2A	≤11.5A	≤13.8A
Full Load Output Voltage	48V	48V	48V	48V	48V
Rated Output Current	13.95A	13.95A	18.6A	23.25A	27.9A
Output Voltage Range	24-48V	24-48V	29-58V	24-48V	24-48V
Power Tolerance	±5%	±5%	±5%	±5%	±5%
Current Output Tolerance	±5%	±5%	±5%	±5%	±5%
Short Circuit Protection	PASS	PASS	PASS	PASS	PASS
Over Temperature Protection	PASS	PASS	PASS	PASS	PASS
THD	<20%	<20%	<10%	<20%	<20%
Withstand Voltage	I/P-O/P:3.75KV I/P-FG:2.0KV O/P-FG:0.5KV				

Driver Datasheet (Triac dimmable)-1

Power	120W	240W	300W	360W	480W-A	480W-B
Rated Input Voltage(V)	AC100-277V	AC100-277V	AC100-277V	AC100-277V	AC100-277V	AC100-277V
Frequency	47-63Hz	47-63Hz	47-63Hz	47-63Hz	47-63Hz	47-63Hz
Input Voltage(V)	AC90-305V	AC90-305V	AC90-305V	AC90-305V	AC90-305V	AC90-305V
Efficiency	90%-95%	90%-95%	90%-95%	90%-95%	90%-95%	90%-95%
Total Load Wattage	120W±5%	240W±5%	300W±5%	360W±5%	480W±5%	480W±5%
Power Factor	PF>0.94	PF>0.94	PF>0.94	PF>0.94	PF>0.94	PF>0.94
Rated Input Current	≤1.5A	≤2.3A	≤3.2A	≤3.8A	≤4.6A	≤4.6A
Full Load Output Voltage	48V	48V	48V	48V	48V	48V
Rated Output Current	2.25A	4.65A	5.78A	6.9A	9.3A	9.3A
Output Voltage Range	24-48V	24-48V	29-58V	24-48V	24-48V	24-48V
Power Tolerance	±5%	±5%	±5%	±5%	±5%	±5%
Current Output Tolerance	±5%	±5%	±5%	±5%	±5%	±5%
Short Circuit Protection	PASS	PASS	PASS	PASS	PASS	PASS
Over Temperature Protection	PASS	PASS	PASS	PASS	PASS	PASS
Dimming Range	0-100%	0-100%	0-100%	0-100%	0-100%	0-100%
THD	<20%	<20%	<10%	<20%	<20%	<20%
Withstand Voltage	I/P-O/P:3.75KV I/P-FG:2.0KV O/P-FG:0.5KV					

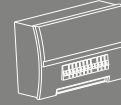
Driver Datasheet (Triac dimmable)-2

Power	720W-A	720W-B	960W	1200W	1440W
Rated Input Voltage(V)	AC100-277V	AC100-277V	AC100-277V	AC100-277V	AC100-277V
Frequency	47-63Hz	47-63Hz	47-63Hz	47-63Hz	47-63Hz
Input Voltage(V)	AC90-305V	AC90-305V	AC90-305V	AC90-305V	AC90-305V
Efficiency	90%-95%	90%-95%	90%-95%	90%-95%	90%-95%
Total Load Wattage	720W±5%	720W±5%	960W±5%	1200W±5%	1440W±5%
Power Factor	PF>0.94	PF>0.94	PF>0.94	PF>0.94	PF>0.94
Rated Input Current	≤6.9A	≤6.9A	≤9.2A	≤11.5A	≤13.8A
Full Load Output Voltage	48V	48V	48V	48V	48V
Rated Output Current	13.95A	13.95A	18.6A	23.25A	27.9A
Output Voltage Range	24-48V	24-48V	29-58V	24-48V	24-48V
Power Tolerance	±5%	±5%	±5%	±5%	±5%
Current Output Tolerance	±5%	±5%	±5%	±5%	±5%
Short Circuit Protection	PASS	PASS	PASS	PASS	PASS
Over Temperature Protection	PASS	PASS	PASS	PASS	PASS
Dimming Range	0-100%	0-100%	0-100%	0-100%	0-100%
THD	<20%	<20%	<20%	<20%	<20%
Withstand Voltage	I/P-O/P:3.75KV I/P-FG:2.0KV O/P-FG:0.5KV				

Installation Procedure

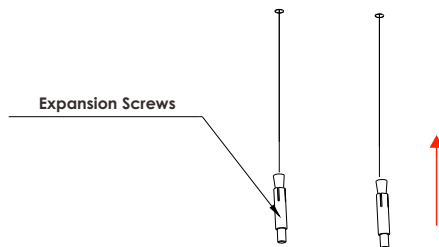
Warning

1. Switch off before installation.
2. Switch on only after complete installation and examination of the circuit.
3. Professional electrician for installation and maintenance only.

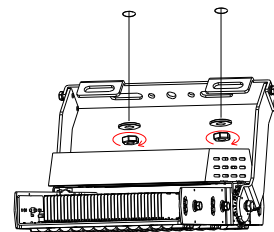


Turn off power supply before starting any installation. Read instructions & check you have all the tools & accessories to complete the installation correctly.

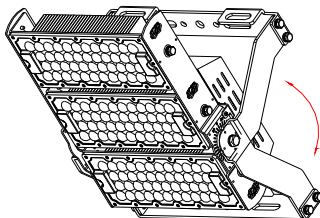
Step 1



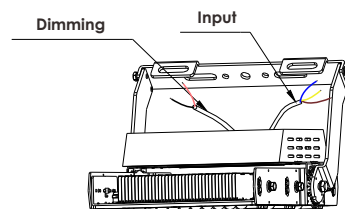
Step 2



Step 3



Step 4



Dimming:

-  DIM+=PURPLE
-  DIM-=WHITE

Input:

American Standard

-  L=Black
-  N=WHITE
-  =Green

European Standard

-  L=Brown
-  N=Blue
-  =Yellow-Green

Step 5

