Up to 175lm/W

IP66

IK08

C4 anti-corrosion

CE

LED SPORTS LIGHT

spectro PROFESSIONAL

SP17

Unique light born for stadiums

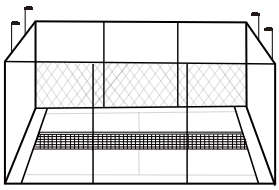
Description

The SP17 Stadium Light is a professional lighting solution for sports field and high mast area lighting. With high lumen output, fewer fixtures are needed to achieve the same lighting effect, reducing your purchase, installation, and commissioning costs. The professionally designed beam angle can target specific areas, minimizing glare and maintaining uniformity.The lamp body is made from low-copper die-cast aluminum, the bracket is made of ZAM/SPCC steel, and the lens is made from high-transmittance PC material. The LED chips are equipped with high-level lightning protection.The installation angle can be infinitely adjusted through a rotatable mechanism. It supports standard bracket installation, as well as horizontal and vertical clamp or sleeve-type pole installations.

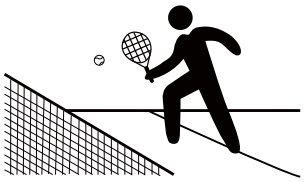
Key Features

- Full range of power options: 400W, 600W, 800W, 1200W. Full range of beam angles: 12°, 17°, 22°, 30°, 45°, 60°.
- High luminous efficacy up to 175 LM/W, with a CRI ≥70.
- IP66 waterproof and IK08 impact-resistant.
- 3-level power adjustment via DIP switch.
- External driver, flicker-free operation.
- Equipped with Zhaga base, compatible with Casambi dimming module.
- Default housing color: gray sand texture (RAL870-3).

Applications



Padel courts



Tennis courts

Recreational sports fields

Warehouse

FUNCTION TABLE

Suffix	3 Power selectable	0-10V dim	DALI / DMX with Zhaga book 18 receptacle	Example 400W
/PT	✓	✓	-	SP17-400W/PT
/DTXJ	-	✓	✓	SP17-400W/DTXJ

GENERAL INFORMATION

Housing materials	Aluminum alloy
Mounting bracket materials	ZAM/SPCC
Housing finish	Powder coating
Mounting bracket finish	Special surface treatment+Powder coating
Optic materials	Polycarbonate
Fixture color	Gray(RAL870-3)
Electrical class	Class I
CCT selection DIP switch	NO
Power selection DIP switch	Yes
Emergency	NO
Sensor	NO
Light source SDCM	<5
Impact resistance	IK08
Ingress protection	IP66
Category of corrosion	C4(ISO 9223:2012)
Certification	CE
Warranty(years)	5

TECHNICAL DATA

3 power select and 0-10V version

Code		SP17-400/PT	SP17-600/PT	SP17-800/PT	SP17-1K2/PT
Nominal wattage ±5%		400/300/200W selectable	600/500/400W selectable	800/600/400W selectable	1200/1000/800W selectable
Driver type		Constant current(CC)			
Control		3-level power adjustment via DIP switch/ 0-10V			
Nominal input voltage(V)		120-240Vac, 50/60Hz			
Power factor(at full load)		>0.97			
Flicker factor		<1%			
THD		<20%			
Surge protection		20KV L-N, 20KV L/N-E			
Light source		LED 3737/LED 5050			
Color rendering inde		Ra70/Ra80			
General luminous efficacy	LED 3737	165lm/W@5000K Ra70			
	LED 5050	175lm/W@5000K Ra70			
Color temperature		5000K(4000K optional)			
Luminous flux ±10% @5000K Ra70 / lm		400W: 63000~77000 300W: 52100~53100 200W: 36600~37700	600W: 94500~115500 500W: 83800~88700 400W: 68800~72700	800W: 126000~154000 600W: 102100~104800 400W: 70400~72300	1200W: 189000~231000 1000W: 169900~176100 800W: 139200~144700
Beam angle		F24001/F24002/ F24023/F24003/ F24004/F24006	F34801/F34802/ F34823/F34803/ F34804/F34806	F43201/F43202/ F43223/F43203/ F43204/F43206	F64801/F64802/ F64823/F64803/ F64804/F64806
Luminaire windage area (SCx)	at 20°	0.077m²	0.097m²	0.120m²	0.155m²
	at 40°	0.102m²	0.131m²	0.174m²	0.227m²
	at 60°	0.120m²	0.157m²	0.214m²	0.281m²
	at 80°	0.128m²	0.167m²	0.228m²	0.305m²
Operating temperature (°F)	120~240Vac	-30 to +45℃		-30 to +40℃	
Lifespan of LED 3737 @Ta=25℃		>100,000hrs-L90B10@led3737			
		>100,000hrs-L80B10@led3737			
		>100,000hrs-L70B10@led3737			
Lifespan of LED 5050 @Ta=25℃		>67,000hrs-L90B10@led5050			
		>165,000hrs-L80B10@led5050			
		>258,000hrs-L70B10@led5050			

TECHNICAL DATA

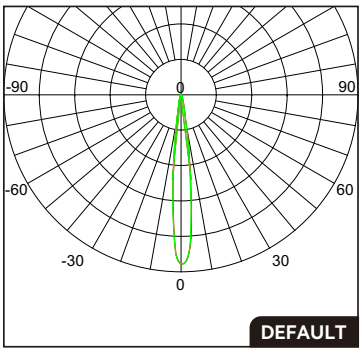
0-10V, DMX, DAL D4i with Zhaga book 18 version

Code		SP17-400/DTXJ	SP17-600/DTXJ	SP17-800/DTXJ	SP17-1K2/DTXJ
Nominal wattage ±5%		400W	600W	800W	1200W
Driver type		Constant current(CC)			
Control		0-10V/DMX / DALI D4i / Zhaga			
Nominal input voltage(V)		200-480Vac, 50/60Hz			
Power factor(at full load)		>0.97			
Flicker factor		<1%			
THD		<20%			
Surge protection		20KV L-N, 20KV L/N-E			
Light source		LED 3737/LED 5050			
Color rendering inde		Ra70/Ra80			
General luminous efficacy	LED 3737	165lm/W@5000K Ra70			
	LED 5050	175lm/W@5000K Ra70			
Color temperature		5000K(4000K optional)			
Luminous flux ±10% @5000K Ra70 / lm		400W: 63000~77000	600W: 94500~115500	800W: 126000~154000	1200W: 189000~231000
Beam angle		F24001/F24002/ F24023/F24003/ F24004/F24006	F34801/F34802/ F34823/F34803/ F34804/F34806	F43201/F43202/ F43223/F43203/ F43204/F43206	F64801/F64802/ F64823/F64803/ F64804/F64806
Luminaire windage area (SCx)	at 20°	0.077m²	0.097m²	0.120m²	0.155m²
	at 40°	0.102m²	0.131m²	0.174m²	0.227m²
	at 60°	0.120m²	0.157m²	0.214m²	0.281m²
	at 80°	0.128m²	0.167m²	0.228m²	0.305m²
Operating temperature (°F)	200-480Vac	-30 to +50℃			-30 to +45℃
Lifespan of LED 3737 @Ta=25℃		>100,000hrs-L90B10@led3737			
		>100,000hrs-L80B10@led3737			
		>100,000hrs-L70B10@led3737			
Lifespan of LED 5050 @Ta=25℃		>67,000hrs-L90B10@led5050			
		>165,000hrs-L80B10@led5050			
		>258,000hrs-L70B10@led5050			

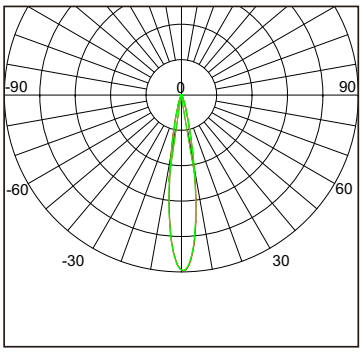
OPTICS

400W

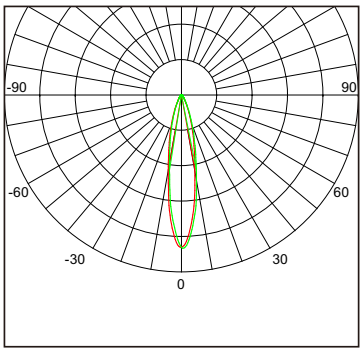
RECOMMENDED



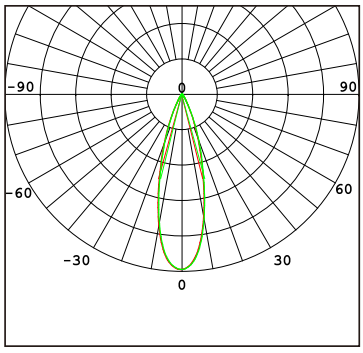
Symmetrical 12° LED3737 optics
F24001



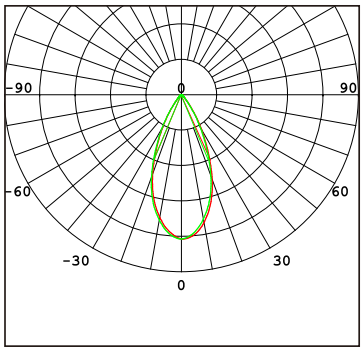
Symmetrical 17° LED3737 optics
F24002



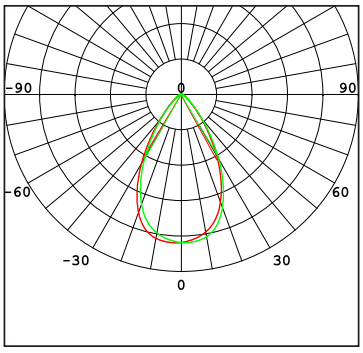
Symmetrical 22° LED5050 optics
F24023



Symmetrical 30° LED5050 optics
F24003



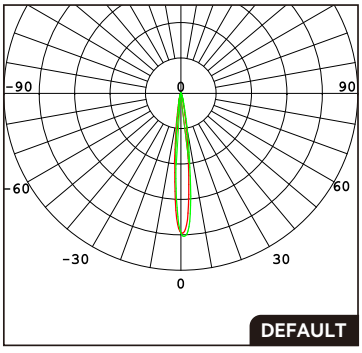
Symmetrical 45° LED5050 optics
F24004



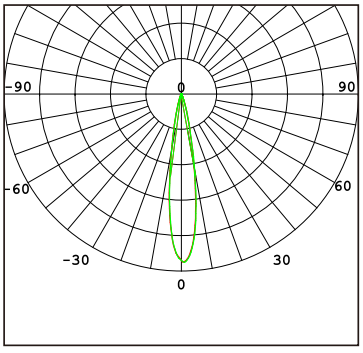
Symmetrical 60° LED5050 optics
F24006

600W

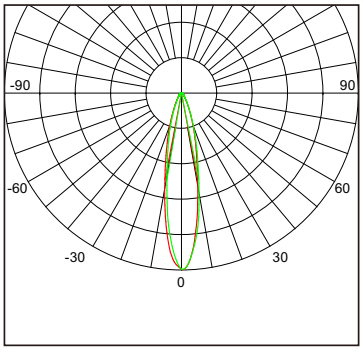
RECOMMENDED



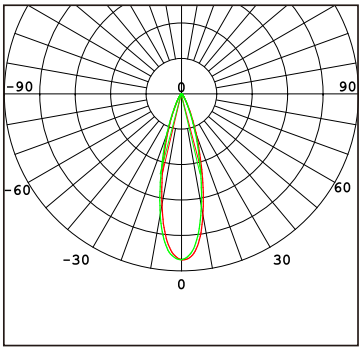
Symmetrical 12° LED3737 optics
F34801



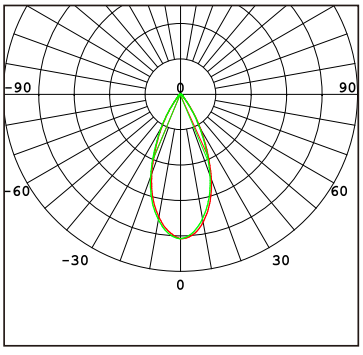
Symmetrical 17° LED3737 optics
F34802



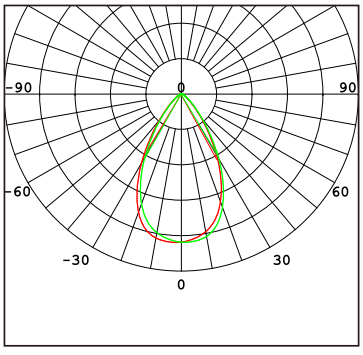
Symmetrical 22° LED5050 optics
F34823



Symmetrical 30° LED5050 optics
F34803



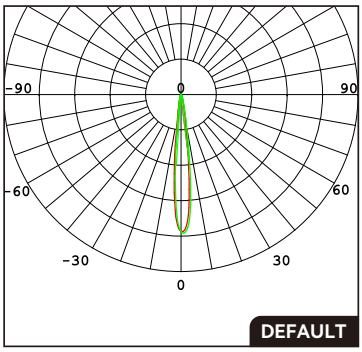
Symmetrical 45° LED5050 optics
F34804



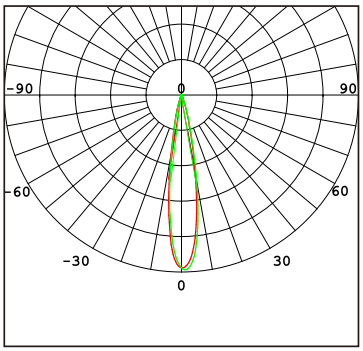
Symmetrical 60° LED5050 optics
F34806

800W

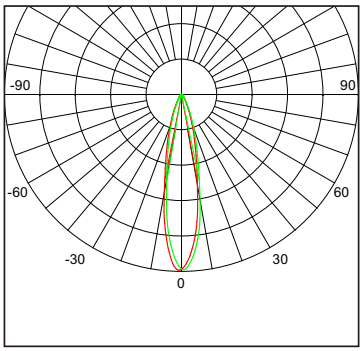
RECOMMENDED



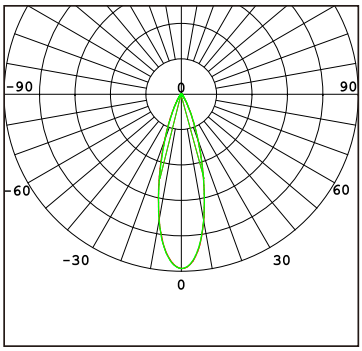
Symmetrical 12° LED3737 optics
F43201



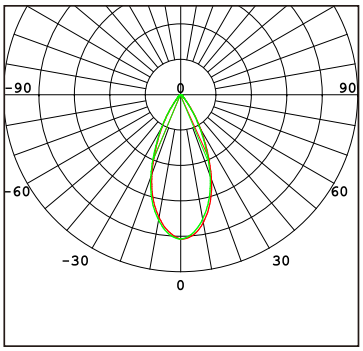
Symmetrical 17° LED3737 optics
F43202



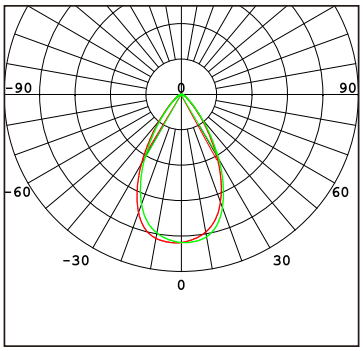
Symmetrical 22° LED5050 optics
F43223



Symmetrical 30° LED5050 optics
F43203



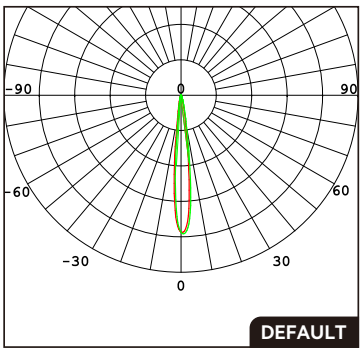
Symmetrical 45° LED5050 optics
F43204



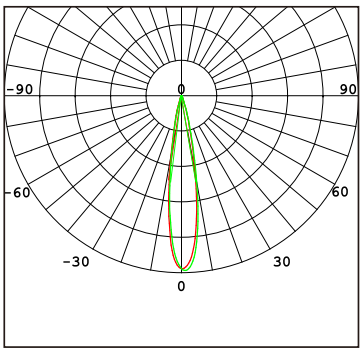
Symmetrical 60° LED5050 optics
F43206

1200W

RECOMMENDED



Symmetrical 12° LED3737 optics
F64801



Symmetrical 17° LED3737 optics
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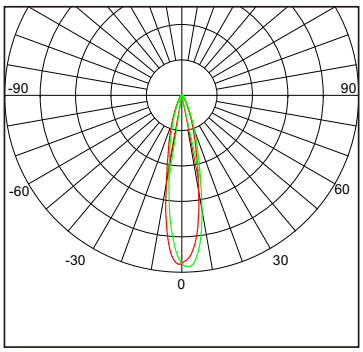
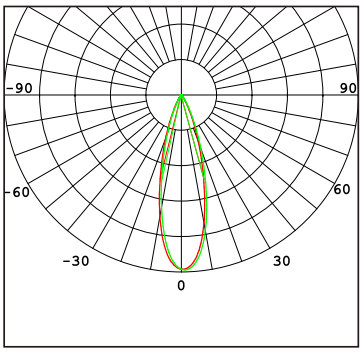


Symmetrical 22° LED5050 optics
F64823



Symmetrical 30° LED5050 optics
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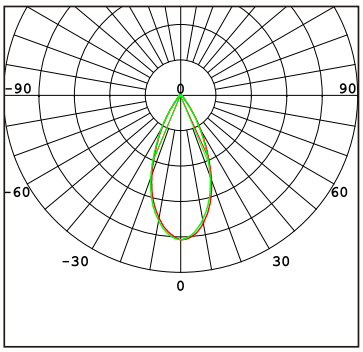

Symmetrical 45° LED5050 optics
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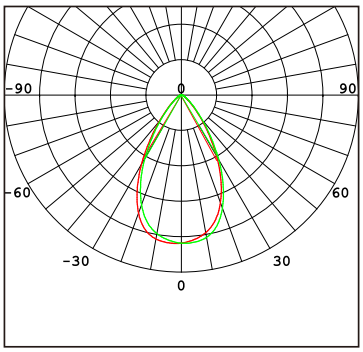
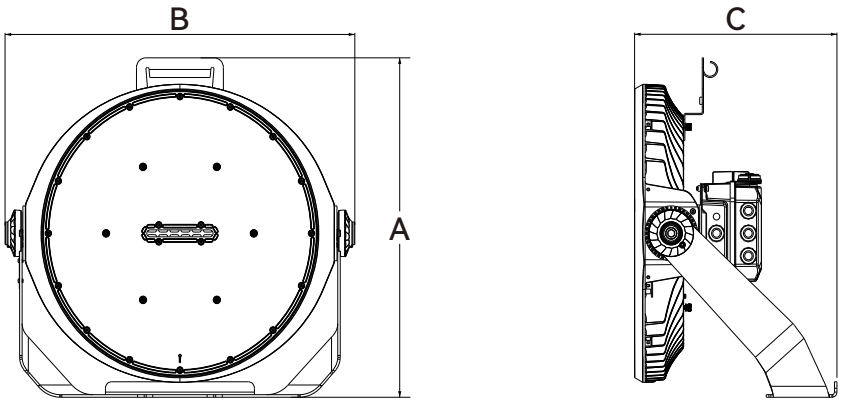


Symmetrical 60° LED5050 optics
F64806

MEASUREMENT



	Product code	Luminaire dimensions AxBxC	Product weight ±6%		Package weight ±6%		Carton size	Qty/CTN
			N.W/PC	G.W/PC	N.W/CTN	G.W/CTN		
120~240Vac	SP17-400	400x429x246mm	9.90kg	11.59kg	9.90kg	11.59kg	500x485x235mm	1
	SP17-600	426x490x291mm	12.96kg	15.09kg	12.96kg	15.09kg	570x520x235mm	
	SP17-800	526x564x326mm	17.41kg	20.88kg	17.41kg	20.88kg	670x610x240mm	
	SP17-1K2	581x648x332mm	25.14kg	28.88kg	25.14kg	28.88kg	755x695x275mm	
200~480Vac	SP17-400	400x429x246mm	10.83kg	12.52kg	10.83kg	12.52kg	500x485x235mm	
	SP17-600	426x490x291mm	12.96kg	15.09kg	12.96kg	15.09kg	570x520x235mm	
	SP17-800	526x564x326mm	17.60kg	21.07kg	17.60kg	21.07kg	670x610x240mm	
	SP17-1K2	581x648x332mm	25.14kg	28.88kg	25.14kg	28.88kg	755x695x275mm	

MOUNTING OPTIONS

Bracket mounting

Slipfitter

Quick Clamp adapter

ACCESSORIES

Precision aiming device

Code	Product weight±6%		Package weight±6%		Carton size	Qty/ CTN
	N.W/PC	G.W/PC	N.W/CTN	G.W/CTN		
BC-S17-04	0.68kg	0.78kg	0.68kg	0.78kg	210x105x130mm	1

Slipfitter

Code	Product weight±6%		Package weight±6%		Carton size	Qty/ CTN
	N.W/PC	G.W/PC	N.W/CTN	G.W/CTN		
SP-S17-01	1.48kg	1.68kg	14.80kg	17.8kg	690x280x220mm	10

Quick Clamp adapter

Code	Product weight±6%		Package weight±6%		Carton size	Qty/ CTN
	N.W/PC	G.W/PC	N.W/CTN	G.W/CTN		
BC-S17-01	3.40kg	3.50kg	20.40kg	21.00kg	460x340x315mm	6

SP17 400W Visor

Code	Product weight±6%		Package weight±6%		Carton size	Qty/ CTN
	N.W/PC	G.W/PC	N.W/CTN	G.W/CTN		
SP17-L205	1.00kg	1.08kg	5.00kg	5.40kg	640x405x155mm	5

SP17 600W Visor

Code	Product weight±6%		Package weight±6%		Carton size	Qty/ CTN
	N.W/PC	G.W/PC	N.W/CTN	G.W/CTN		
SP17-L235	1.30kg	1.38kg	6.50kg	6.90kg	720x460x175mm	5

SP17 800W Visor

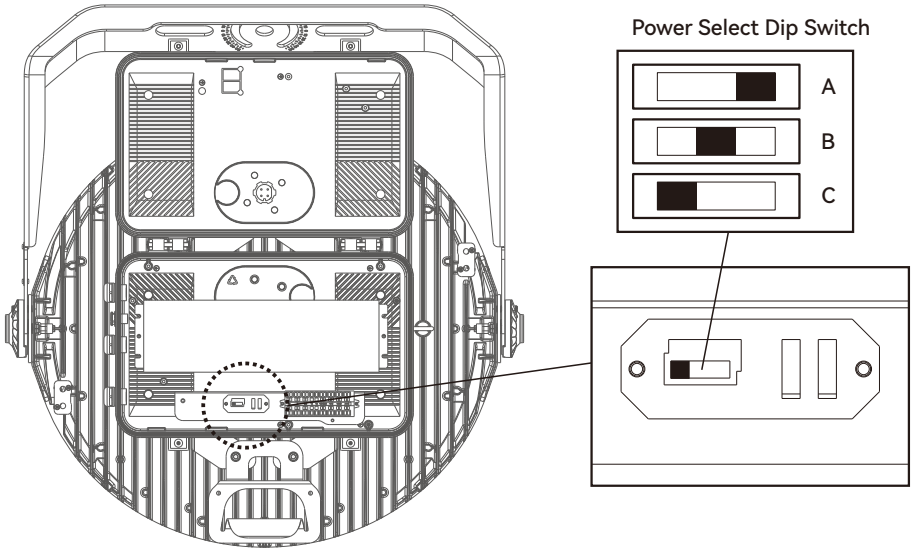
Code	Product weight±6%		Package weight±6%		Carton size	Qty/ CTN
	N.W/PC	G.W/PC	N.W/CTN	G.W/CTN		
SP17-L275	1.78kg	1.88kg	8.90kg	9.40kg	770x530x200mm	5

SP17 1200W Visor

Code	Product weight±6%		Package weight±6%		Carton size	Qty/ CTN
	N.W/PC	G.W/PC	N.W/CTN	G.W/CTN		
SP17-L325	2.35kg	2.46kg	11.75kg	12.30kg	835x615x235mm	5

POWER SELECTABLE (3 power select and 0-10V version)

Factory set:
100% brightness



Power / Percentage	400W	600W	800W	1200W
A	400W	600W	800W	1200W
B	300W	500W	600W	1000W
C	200W	400W	400W	800W