



SHANGHAI CHZ LIGHTING CO.,LTD

No.518, Xiangjiang Road, Shanghai, China

T/W +34 615 743 994

T/W +86 133 9137 5176

T/W +86 159 2122 3752

M sales@chz-lighting.com

WWW.CHZ-LIGHTING.COM



**FERNANDO NAVARRETE
GONZALO DE ANDRÉS**



OFFICIAL PARTNER



CHZ-LIGHTING

STADIUM LIGHTING

(2024-2025)

Creative Lighting, Healthy Living

Profile

SHANGHAI CHZ LIGHTING CO.,LTD., established in 2013, is one of the leading manufacturers of LED lighting products in China. Our headquarter is located at Jiading of Shanghai, we have three production bases in Shanghai, Hangzhou and Ningbo city, with a total of 12,000m² plant area and 1.0M sets of LED lights' production per year.

We adhere to the idea of "technology first", and cooperate with Fudan University to continuously develop new products. Our products have covered office lighting, industrial lighting, flood lighting, stadium lighting, road lighting, and solar lighting. We offer, not only qualified lights, but also complete intelligent lighting solutions.

By continuous high investment on management and R&D, we has passed ISO9001, ISO14001, ISO45001 and ISO50001 system certifications. Meanwhile, we have got ENEC, ENEC++, CE, CB and ETL quality certifications proved by famous labs, such as TUV. Moreover, we have been rewarded lots of honors by the government, such as "National High-tech Enterprise", "Shanghai Technological Enterprise" and etc.

Our products have been exported to over 80 countries around the world and used for thousands of public projects. By high quality and excellent service, "CHZ LIGHTING" has won very good reputation in those markets. We will continue to work hard and tirelessly strive to build "CHZ LIGHTING" as one globally renowned brand.

Awards



Qualification



ISO9001



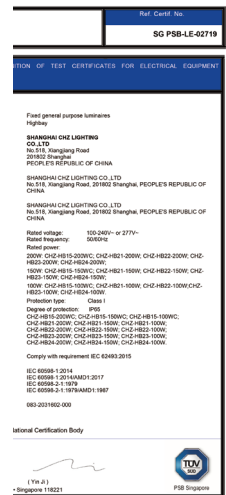
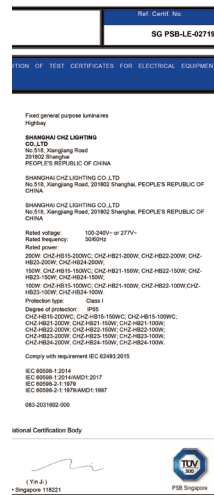
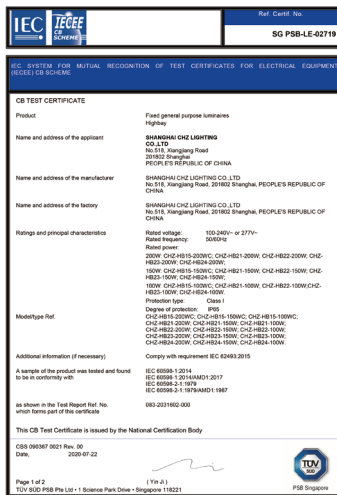
ISO14001



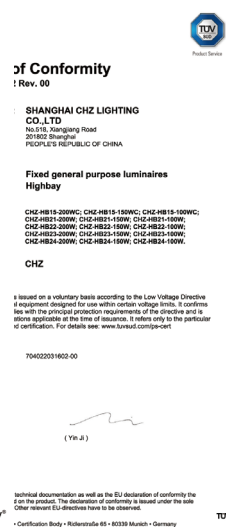
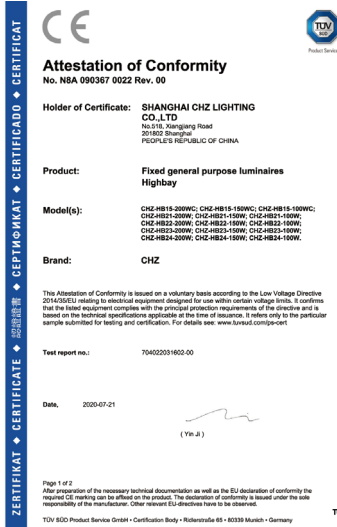
ISO45001



ISO50001



CB Certification



CE Certification

◆ Company Image



Shanghai Headquator



Europe Company



Spain Warehouse



Marketing Department



R&D Department



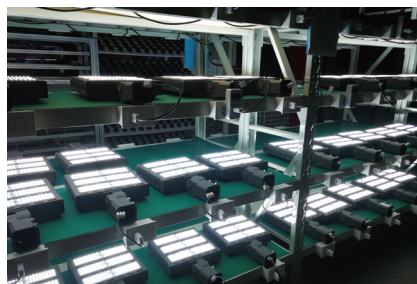
Training Meeting



Assembling line



Testing Line



Old Aging



Outdoor Development



Argentina team



Team action



Spain Team



Spain Team



Shareholder Dinner

STADIUM LIGHTING

150W-4500W



CHz[®]**Stadium Lighting**

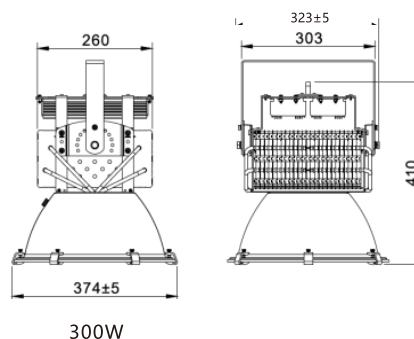
CE CB ROHS



◆ FL08 Series

Product Feature:

- A. Using high-quality LED light source and the constant current drive, high efficiency, stable performance;
- B. Fins plus innovative heat pipe cooling method, and the whole smoky, fast heat dissipation;
- C. Overall design fashion texture, angle adjustable bracket, irradiation range, distance;
- D. Degree of protection up to IP66, suitable for outdoor harsh environments, a wide range of applications;
- E. Whole lifetime of 50,000 hours, more than 50% energy saving compared to HID, low maintenance costs;

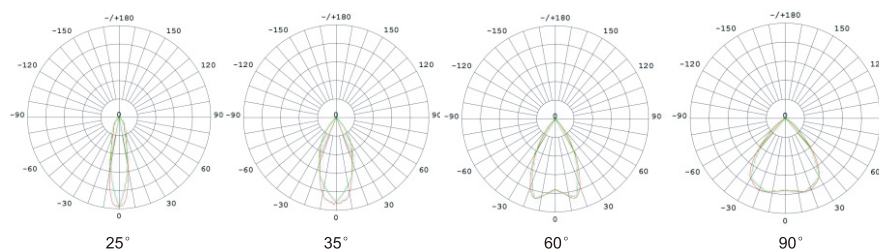


Application:

Widely used in exhibition centers, large warehouses, factories, stadia, building facades, bridges, cranes and other large space lighting.

Technical Parameters:

Model No.	Power (W)	LED TYPE	Input volt (V)	PF	Lumen (LM/W)	Beam Angle	CCT (K)	IP	Product Size(mm)	
									D	H
FL08-200W	200	SMD5050	100-277	>0.95	>130	25°/45°/60°/90°	3000-6500	IP66	375	470
FL08-300W	300	SMD5050	100-277	>0.95	>130	25°/45°/60°/90°	3000-6500	IP66	375	470
FL08-400W	400	SMD5050	100-277	>0.95	>130	25°/45°/60°/90°	3000-6500	IP66	375	500
FL08-500W	500	SMD5050	100-277	>0.95	>130	25°/45°/60°/90°	3000-6500	IP66	375	500



ROHS CB CE

CH₂[®]

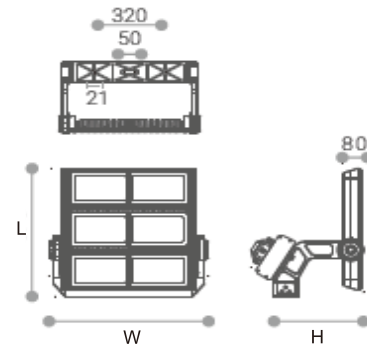
Stadium Lighting



◆ FL21 Series

Product Feature:

- A. Adjustable projecting direction to get precious aiming
- B. Beam angle 50°, 60°, 90°, TYPE II, TYPE III, TYPE IV, TYPE V for option, deliver precise circular pattern into center of sports lighting field from corner high mast, which offers solution especially for soccer/hockey/football field.
- C. Use ultra-high brightness SMD3030 chips which can be up to 145LM/W.
- D. Each module can be angle adjustable flexibly, so it can be used for more applications.
- E. Stainless steel wireguard is designed to protect the fixture from hitting by high-speed objects.
- F. With 10KV surge protection and stainless steel chain for further protection on request.

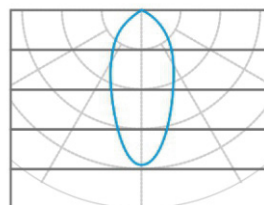


Application:

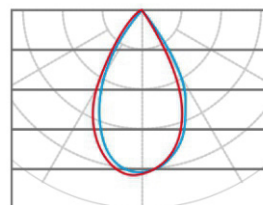
Widely used in large space lighting places exhibition center, large warehouses, soccer or football field, indoor stadiums and etc.

Technical Parameters:

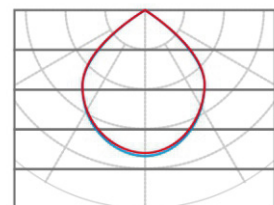
Model No.	Power (W)	LED TYPE	LED's (PCS)	Input volt (V)	PF	CRI	Lumen (LM/W)	Beam Angle	CCT (K)	IP	Product Size(mm)		
											L	W	H
FL21-150W	150	SMD3030	2×99	220-240	0.95	70	>145	50°	3000-6500	IP66	341	286	185
FL21-220W	220	SMD3030	3×99	220-240	0.95	70	>145	/60° /90°	3000-6500	IP66	346	380	227
FL21-300W	300	SMD3030	4×99	220-240	0.95	70	>145	TYPE II	3000-6500	IP66	613	286	185
FL21-450W	450	SMD3030	6×99	220-240	0.95	70	>145	TYPE III	3000-6500	IP66	618	384	227
FL21-600W	600	SMD3030	8×99	220-240	0.95	70	>145	TYPE IV TYPE V	3000-6500	IP66	646	553	233



45 deg



60 deg



90 deg

CHz[®]**Stadium Lighting**

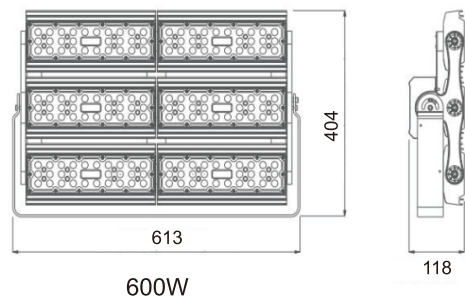
CE CB ROHS



◆ FL21A Series

Product Feature:

- A. Adjustable projecting direction;
- B. With die-casting ADC-12 material, the new Agility flood light has a superb heat dissipation and long lifespan;
- C. VDE/UL listed 3*1.0mm² rubber cable with cold-pressed terminal;
- D. Wide range of lumen output package from 11,000lm up to 130,500lm, 50% less power consumption than traditional light;
- E. The combinations of different drivers, mounting brackets, modules and baffles allows the quick assembly at customers' request;
- F. With different LED chips for option, SMD3030/ SMD5050/ SMD3737, to reach various optic system, such 30°/60°/90°/Asy60°, TYPE II/ III / IV/ V to match with different applications.

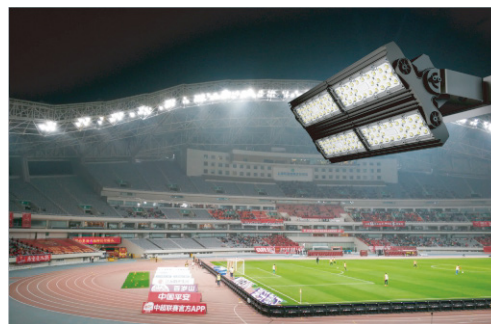
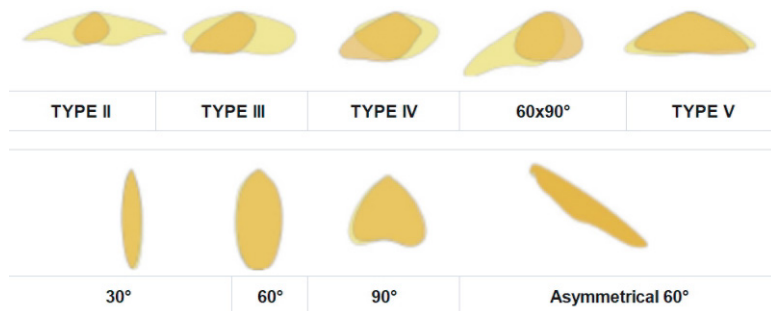


Application:

Widely used for big areas like square, warehouse, workshop, shelf, supermarket, seaport, indoor or outdoor stadium field and etc.

Technical Parameters:

Model No.	Power (W)	LED TYPE	Input volt (V)	PF	CRI	Lumen (LM/W)	Beam Angle	CCT (K)	IP/IK	Product Size(mm)		
FL21A-100W	100	SMD3030 SMD5050 SMD3737 for option	100-277	0.95	70	>120LM/W @SMD3030 >145LM/W @SMD5050 >120LM/W @SMD3737	30°/60°/90°	4000-6500	IP66/IK08	298	145	94
FL21A-200W	200		100-277	0.95	70		TYPE II	4000-6500	IP66/IK08	326	277	118
FL21A-300W	300		100-277	0.95	70		TYPE III	4000-6500	IP66/IK08	326	402	118
FL21A-400W	400		100-277	0.95	70		TYPE IV	4000-6500	IP66/IK08	613	279	118
FL21A-480W	480		100-277	0.95	70		TYPE V	4000-6500	IP66/IK08	613	279	118
FL21A-600W	600		100-277	0.95	70		@SMD3030	4000-6500	IP66/IK08	613	404	118
FL21A-800W	800		100-277	0.95	70		@SMD5050;	4000-6500	IP66/IK08	613	535	156
FL21A-900W	900		100-277	0.95	70		@SMD3737	4000-6500	IP66/IK08	896	405	156
							Asymmetric 60°					
							@SMD3737					





ROHS CB CE

CH₂[®]

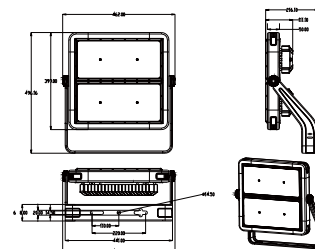
Stadium Lighting



FL32 Series

Product Feature:

- A. Very innovative design style, realize the assembly of 1 to 5 modules, the assembly and maintenance process is simple.
- B. The radiator is made of 6063 aviation aluminum material with good heat dissipation effect.
- C. The module can be rotated from 0 to 180°, and the irradiation angle can be adjusted at will.
- D. Special spray treatment on the surface of the lamp, strong resistance to salt spray corrosion, suitable for harsh environments.
- E. Adapt to high-quality SMD3737 or SMD3030 lamp beads, and high-quality constant current drive, stable performance and long life; the overall protection level reaches IP66.
- F. Adopt high transmittance PC lens, 10°/25°/40°/60°/90° and other light distribution angles are optional, suitable for different application scenarios.



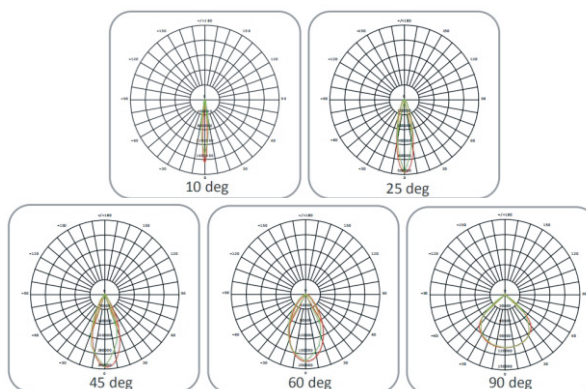
500W

Application:

Widely used in large space lighting places exhibition center, large warehouses, soccer or football field, indoor stadia and etc.

Technical Parameters:

Model No.	Power (W)	Power (W)	LED's (PCS)	Input volt (V)	PF	CRI	Lumen (LM/W)	Beam Angle	CCT (K)	IP	Product Size(mm)		
											L	W	H
FL32-250W	250	SMD3737	126	100-277	>0.95	70	>160	10°	3000-6500	IP66	462	283	172
FL32-500W	500	SMD3737	252	100-277	>0.95	70	>160		3000-6500	IP66	462	496	216
FL32-750W	750	SMD3737	378	100-277	>0.95	70	>160		3000-6500	IP66	462	677	216
FL32-1000W	1000	SMD3737	504	100-277	>0.95	70	>160		3000-6500	IP66	462	854	216
FL32-1250W	1250	SMD3737	630	100-277	>0.95	70	>160		3000-6500	IP66	462	1072	216
FL32-250W	250	SMD3030	336	100-277	>0.95	70	>160	25°/45°/60°/90°	3000-6500	IP66	462	283	172
FL32-500W	500	SMD3030	672	100-277	>0.95	70	>160		3000-6500	IP66	462	496	216
FL32-750W	750	SMD3030	1008	100-277	>0.95	70	>160		3000-6500	IP66	462	677	216
FL32-1000W	1000	SMD3030	1344	100-277	>0.95	70	>160		3000-6500	IP66	462	854	216
FL32-1250W	1250	SMD3030	1680	100-277	>0.95	70	>160		3000-6500	IP66	462	1072	216



CHz[®]

Stadium Lighting

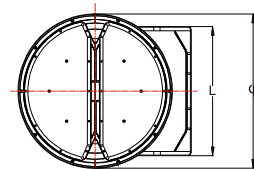
CE CB ROHS



FL38 Series

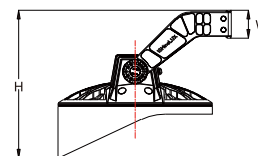
Product Feature:

- A. Compressed by 1070 aluminum type and cold forging process, with good heat dissipation effect.
- B. Using special technology optical lens, strong UV resistance, light transmittance of more than 94%.
- C. Using high-quality SMD3030 or SMD3737 LED light source chips, the overall lighting effect reaches 140LM/W or more; and high-quality constant current drive, stable and reliable performance, long life.
- D. Adopt double waterproof design, the protection grade of the whole lamp reaches IP66, and the safety performance is good.
- E. Professional light distribution, 10°/25°/45°/60°/90°, multiple beam angle optional.



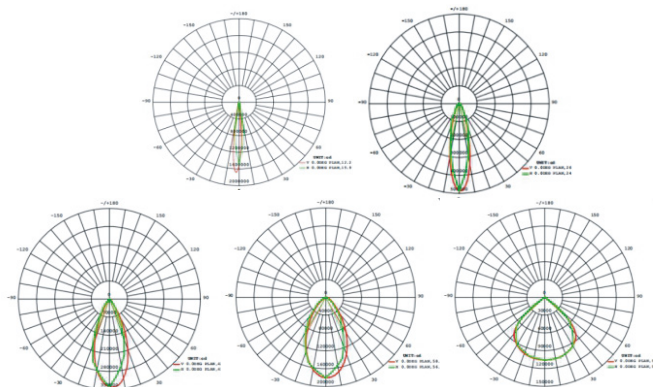
Application:

Widely used in the lighting of stadiums such as tunnels, ports, tower cranes, outdoor parking lots, football fields, basketball courts, tennis courts and golf courses.



Technical Parameters:

Model No.	Power (W)	Power (W)	LED's (PCS)	Input volt (V)	PF	CRI	Lumen (LM/W)	Beam Angle	CCT (K)	IP	Product Size(mm)			
											Φ	L	H	W
FL38-400W	400	SMD3737	252	100-277	>0.95	80	>150	10°	3000-6500	IP66	439	368	421	80
FL38-500W	500	SMD3737	252	100-277	>0.95	80	>150		3000-6500	IP66	439	368	421	80
FL38-800W	800	SMD3737	504	100-277	>0.95	80	>150		3000-6500	IP66	586	473	511	80
FL38-1000W	1000	SMD3737	504	100-277	>0.95	80	>150		3000-6500	IP66	586	473	511	80
FL38-400W	400	SMD3030	770	100-277	>0.95	80	>140	25°/45° /60°/90°	3000-6500	IP66	439	368	421	80
FL38-500W	500	SMD3030	770	100-277	>0.95	80	>140		3000-6500	IP66	439	368	421	80
FL38-800W	800	SMD3030	1540	100-277	>0.95	80	>140		3000-6500	IP66	586	473	511	80
FL38-1000W	1000	SMD3030	1540	100-277	>0.95	80	>140		3000-6500	IP66	586	473	511	80





ROHS CB CE

CH₂[®]

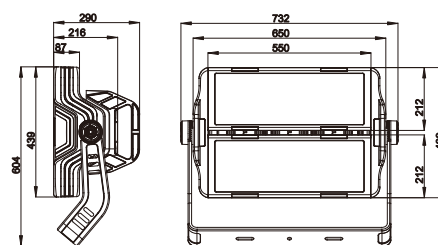
Stadium Lighting



◆ FL41 Series

Product Feature:

- A. Adjustable projecting direction.
- B. With die-casting ADC-12 material, the new Agility flood light has a superb heat dissipation and long lifespan.
- C. VDE/UL listed 3*1.0mm² rubber cable with cold-pressed terminal.
- D. SMD3030 or SMD3737 chips for option, with efficacy 150lm/W or above, 50% less power consumption than traditional light.
- E. The combinations of different drivers, mounting brackets, modules and baffles allow the quickly assembly at customers' request.
- F. With different LED chips for option, SMD3030 or SMD3737, to reach various optic system, such sym10°/25°/45°/60°/90° or asym 60°, to match with different applications.



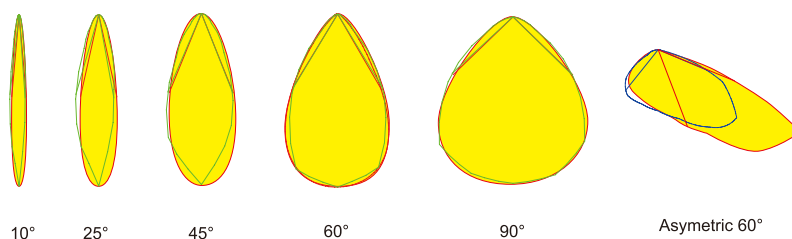
2 Module

Application:

Widely used for big areas like square, warehouse, workshop, shelf, supermarket, seaport, indoor or outdoor stadium field and etc.

Technical Parameters:

Model No.	Power (W)	LED type	Input volt (V)	PF	CRI	Lumen (LM/W)	Beam Angle	CCT (K)	IP	Product Size(mm)		
										L	W	H
FL41-400W	400	SMD3030 or SMD3737	100-277	>0.95	70	>150LM/W @SMD3030 >160LM/W @SMD3737	25°/45°/60°/90° Asy60°@SMD3030 Sym10°@SMD3737	3000-6500	IP66	718	422	350
FL41-500W	500		100-277	>0.95	70			3000-6500	IP66	718	422	350
FL41-600W	600		100-277	>0.95	70			3000-6500	IP66	718	422	350
FL41-800W	800		100-277	>0.95	70			3000-6500	IP66	732	290	604
FL41-1000W	1000		100-277	>0.95	70			3000-6500	IP66	732	290	604
FL41-1200W	1200		100-277	>0.95	70			3000-6500	IP66	732	290	604
FL41-1500W	1500		100-277	>0.95	70			3000-6500	IP66	732	290	839
FL41-1800W	1800		100-277	>0.95	70			3000-6500	IP66	732	290	839



CHz[®]

Stadium Lighting

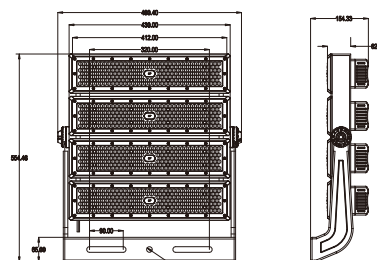
CE CB ROHS



◆ FL42 Series

Product Feature:

- A. Adjustable projecting direction.
- B. With die-casting ADC-12 material, the new Agility flood light has a superb heat dissipation and long lifespan;
- C. VDE/UL listed 3*1.0mm² rubber cable with cold-pressed terminal.
- D. SMD3030 or SMD5050 chips for option, with efficacy 150lm/W or above, 50% less power consumption than traditional light.
- E. The combinations of different drivers, mounting brackets, modules and baffles allow the quickly assembly at customers' request.
- F. With different LED chips and lens, to reach various optic system, such 30°/45°/60°/90°/80x140° or Asymmetric 60°, to match with different applications.



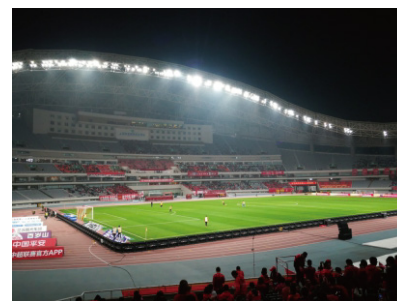
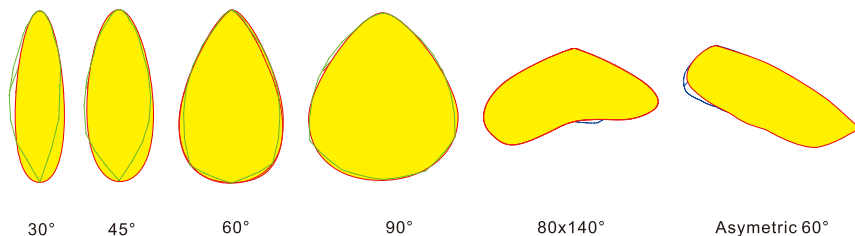
1000W

Application:

Widely used for big areas like square, warehouse, workshop, shelf, supermarket, seaport, indoor or outdoor stadium field and etc.

Technical Parameters:

Model No.	Power (W)	LED type	Input volt (V)	PF	CRI	Lumen (LM/W)	Beam Angle	CCT (K)	IP	Product Size(mm)		
FL42-200W	200	SMD3030 or SMD3737	100-277	>0.95	70	>140LM/W @SMD3030 >150LM/W @SMD3737	30°/45°/60°/90°/80°×140° or Asymmetric 60°	3000-6500	IP66	490	150	141
FL42-400W	400		100-277	>0.95	70			3000-6500	IP66	490	315	154
FL42-600W	600		100-277	>0.95	70			3000-6500	IP66	490	428	154
FL42-800W	800		100-277	>0.95	70			3000-6500	IP66	490	554	154
FL42-1000W	1000		100-277	>0.95	70			3000-6500	IP66	490	667	154
FL42-1200W	1200		100-277	>0.95	70			3000-6500	IP66	520	776	154
FL42-1400W	1400		100-277	>0.95	70			3000-6500	IP66	520	886	154
FL42-1600W	1600		100-277	>0.95	70			3000-6500	IP66	520	1002	154

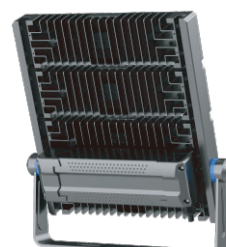




ROHS CB CE

CH₂[®]

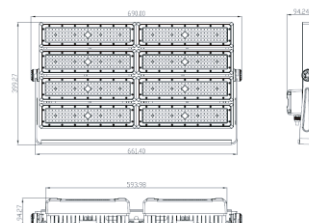
Stadium Lighting



◆ FL43 Series

Product Feature:

- A. Adjustable projecting direction.
- B. With die-casting ADC-12 material, the new Agility flood light has a superb heat dissipation and long lifespan.
- C. VDE/UL listed 3*1.0mm² rubber cable with cold-pressed terminal.
- D. Take SMD2835 chips, with efficacy 150lm/W or above, 50% less power consumption than traditional light.
- E. The combinations of different drivers, mounting brackets, modules and baffles allow the quickly assembly at customers' request.
- F. With different LED chips and lens, to reach various optic system, such 25°/45° /60°/90° or Asymetric 80x140° 90x120° to match with different applications.

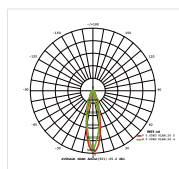


Application:

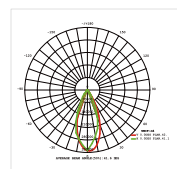
Widely used for big areas like square, warehouse, workshop, shelf, supermarket, seaport, indoor or outdoor stadium field and etc.

Technical Parameters:

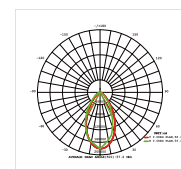
Model No.	Power (W)	LED type	Input volt (V)	PF	CRI	Lumen (LM/W)	Beam Angle	CCT (K)	IP	Product Size(mm)		
										L	W	H
FL43-50W	50-60	SMD2835	100-277	>0.95	70	>150	Symetric 25°/45°/60°/90° Asymetric 80°×140°/90°×120°	3000-6500	IP66	372	133	99
FL43-100W	100-120	SMD2835	100-277	>0.95	70	>150		3000-6500	IP66	372	222	97
FL43-150W	150-180	SMD2835	100-277	>0.95	70	>150		3000-6500	IP66	372	310	97
FL43-200W	200-240	SMD2835	100-277	>0.95	70	>150		3000-6500	IP66	372	398	97
FL43-250W	250-300	SMD2835	100-277	>0.95	70	>150		3000-6500	IP66	372	486	97
FL43-400W	400-480	SMD2835	100-277	>0.95	70	>150		3000-6500	IP66	690	399	94
FL43-500W	500-600	SMD2835	100-277	>0.95	70	>150		3000-6500	IP66	690	487	94



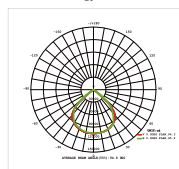
25°



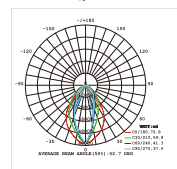
45°



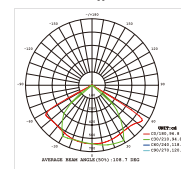
60°



90°



80°140°



90°120°

Lighting design of stadiums:

1- Many competitions are not only on the ground, but also in the space 10-30m from the ground. Therefore, there should be a uniform brightness distribution within a certain height above the playing field;

2- Since outdoor sports use natural sunlight during daytime competitions, artificial lighting is used after dark. In order to make the athletes adapt quickly, the outdoor lighting should adopt a moderately high color temperature, generally about 5000K;

3- Due to the floodlighting of outdoor lighting, the glare problem is more serious, and should be limited in many ways;

4- Not only do athletes and referees need good lighting, but when the athletes compete for every minute, the audience also hopes to appreciate the game more clearly;

5- TV broadcast is also the focus of consideration. How to make clear and real game pictures for people outside the stadium, this also puts requirements on lighting. For example, lighting technology requirements for high-definition color TV broadcasts are:

1) Site size:

2) Lighting method and position

- Lighting method: four towers / side / perimeter;
- the floodlight is mounted on the outermost ceiling;

3) Illumination requirements:

- Horizontal illumination and vertical illumination (four directions)
- Camera position

4) Lighting requirements: DIN, CIE, FIFA,

5) Conversion of functions: TV, emergency TV, competition, training,

6. Illumination level factor and illumination requirements:

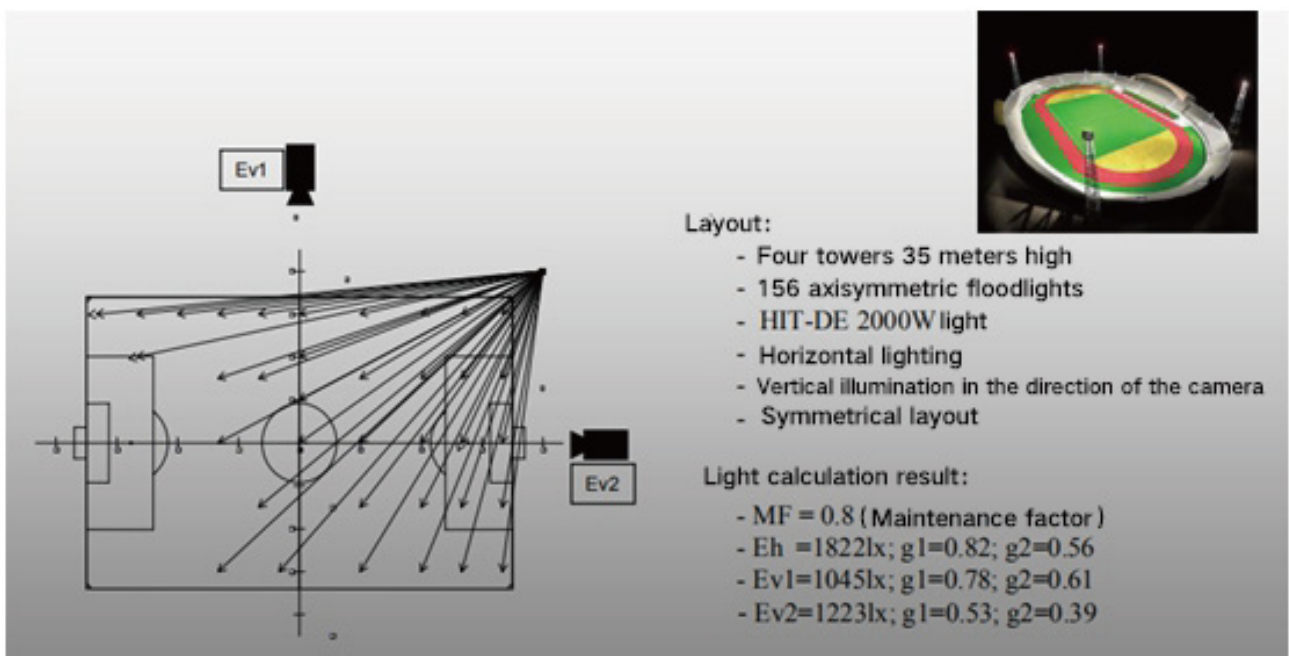
1) Illumination level depends on the factor: the type of movement, the size of the ball, the speed of the game, the distance of the audience, the level of the event;

2) Requirements for illuminance of the venue: illumination level, glare index UGR, uniformity, shadow, color rendering index Ra;

For football, FIFA recommended:

Level	Eh*	UI	U2	Ev1*	Ev2*	U1	U2
Business level:							
- Ball sports training includes sports training	50	0.3	0.5	-	-	-	-
- No competition training	100	0.4	0.6	-	-	-	-
- National competition	200	0.5	0.7	-	-	-	-
Professional Book Review:							
- Ball sports training includes sports training	100	0.4	0.6				
- National competition	500	0.5	0.7				
International (national) competition / conference:							
TV: Country	-	0.5	0.7	1000	700	0.3	0.5
International	-	0.6	0.7	1400	1000	0.4	0.6
HDTV	-	0.7	0.8	2000	1500	0.6	0.7
Emergency TV	-	0.5	0.7	800	500	0.3	0.5

TV broadcast layout case (four-tower distribution of football stadium lights):





CHZ LIGHTING (SPAIN)

Pol. Ind. Trobika. Martintxone Bidea,
1.Mungia, Bilbao

Contact: Mr. Igor
Tel: (0034) 615 743 994
Mail: lgarcia@chzspain.com

CHZ LIGHTING (NIGERIA)

Abuja Office: Mr. Jide
Tel: (00234) 802 705 7715
Mail: jide@chz-lighting.com

Uyo Office: Mr. Francis
Tel: (00234) 808 936 7161
Mail: francis@chz-lighting.com

CHZ LIGHTING S.R.L (Romania)

Add: Fundac Sf. Teodor nr.1, Iasi, Romania

Contact: Mr. Nicolae Dragos
Tel: +40 722 39 66 77
Mail: chz.romania@chz-lighting.com

CHZ LIGHTING (ARGENTINA)

Calle N°38 N°559, Código Postal (6600),
Mercedes, Provincia de Buenos Aires.

Contact: Mr. Fernando
Tel: (0054) 9 2324 435127
Mail: fernando@chz-lighting.com

CHZ LIGHTING (USA)

Fu Rowland Heights Road, Los Angeles

Contact: Ms. Hidy
Tel: (001) 626 629 2217
Mail: hidy@chz-lighting.com

CHZ LIGHTING BURKINA SARL

Add: 08 BP, 11147 Ouaga 08, Burkina Faso

Contact: Mr. Abdoul
Tel: + 226 6610 2186
Mail: martin@chz-lighting.com