

Product Specification

LED Sport Light

AST-SP01B – B Series



Product Image

NOTES:

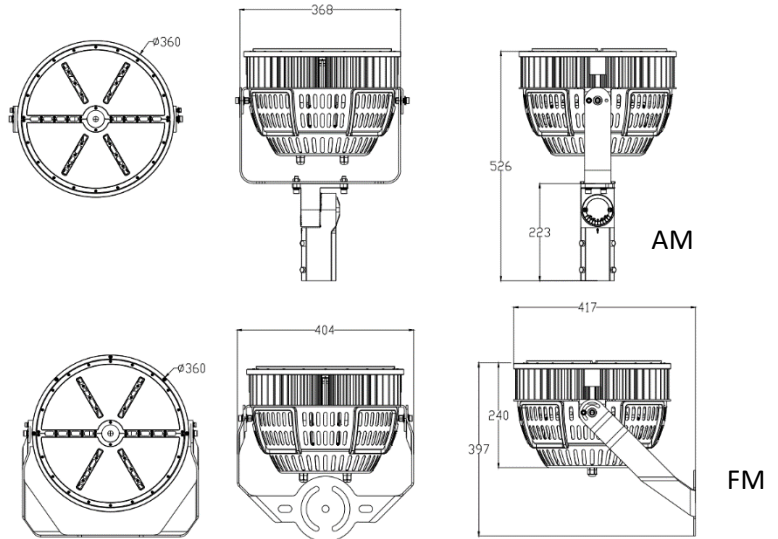
1. This specification is for our regular product specifications.
2. The right of final interpretation of this specification is reserved by International Building Supply Corporation.

1. Description

- ◆ LED Sport Lights
- ◆ Two types of mounting brackets: FM & AM

2. Characteristics

- ◆ UL cUL DLC-V5.1(Premium) certificate.
- ◆ Input voltage 120-277Vac.
- ◆ No UV or IR in the beam.
- ◆ Easy to install and operate.
- ◆ Energy saving, Long lifespan.
- ◆ Instant start, NO flickering, NO humming.
- ◆ Green and eco-friendly without mercury.
- ◆ Output constant current lever can be adjusted through output cable with 1-10V.



3. Application

- ◆ Gymnasium
- ◆ Square plaza
- ◆ Shipyard, Airport, Wharf
- ◆ High mast and Contour lighting, etc.

4. Technical Parameters

Code	AST-SP01B-400WSCS3H1-acdef	AST-SP01B-500WSCS3H1-acdef	AST-SP01B-600WSCS3H1-acdef	AST-SP01B-750WSCS3H1-acdef	AST-SP01B-1000WSCS3H1-acdef	AST-SP01B-1200WSCS3H1-acdef
Power(W)	400W	500W	600W	750W	1000W	1200W
PF	> 0.9					
Input Voltage(V)	AC 277-480V, 50/60Hz					
Efficacy(lm/W)	120-145lm/W					
Lumen Output	48000-58000lm	60000-72500lm	72000-90000lm	90000-109000lm	12000-145000lm	144000-174000lm
CCT(K)	4000K/4500K/5000K/5700K					
Waterproof Rating	IP65					
CRI	>70					
Beam Angle	120 Degree					
Material	Aluminum					
Operating/storage Temperature	Operation: -40°C - 45°C/Storage: -40°C - 80°C					
Operating/Storage Humidity	Operation: 10%- 90% RH/ Storage: 10%- 90% RH					
Environment	Outdoor					
Certification	UL/cUL/DLC					
Warranty	5 years					

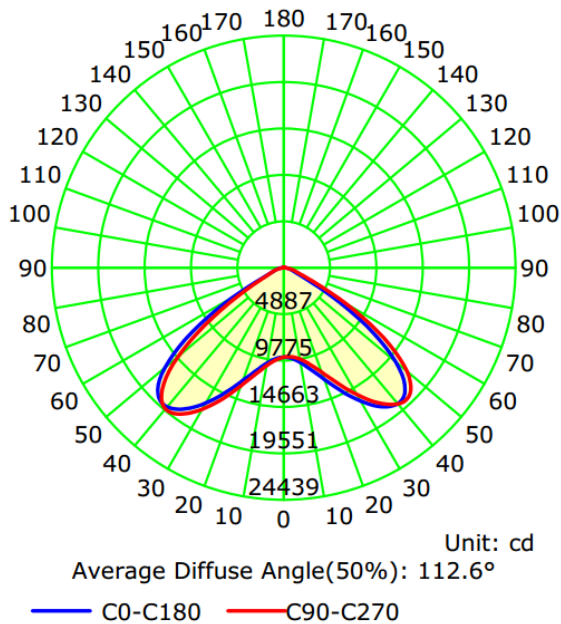
Notes:

- “a” can be any two letters to represent lamp colors: WH=White, BR=Brown, BH=Black or Customized.
- “c” can be S or blank; represent Surge protector or None Surge protector.
- “d” can be “AM” or “FM”, represents different types of bracket.
- “e” can be “B” for connecting box or blank for no connection box.
- “f” can be any two digits to represent CCT, can be 30=3000K, 35=3500K, 40=4000K, 45=4500K, 50=5000K, 57=5700K, 65=6500K.

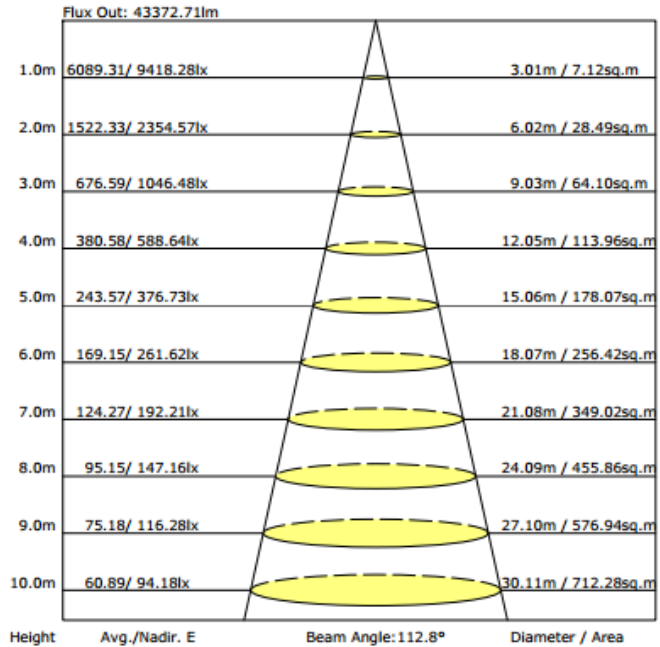
5. Photometric Data

400W

Luminous Intensity Distribution Curve



The Average Illuminance Effective Figure



Luminaire Property

Luminaire Manufacturer:

Voltage: 480.7 V

Power: 377.43 W

Current: 0.8491 A

Power Factor: 0.926

Photometric Results

IES Classification: Type II

Total Rated Lamp Lumens: 50138.5 lm

Efficiency: 100%

Upward Ratio: 0%

Central Intensity: 9418.28 cd

Pos of Max. Intensity: H247.5 V40

Longitudinal Classification: Very Short

Measurement Flux: 50138.5 lm

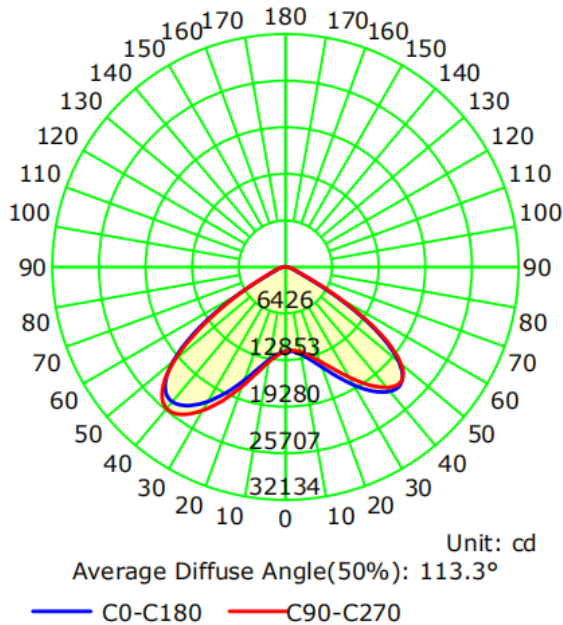
Downward Ratio: 100%

Luminaire Efficacy Rating (LER): 132.84

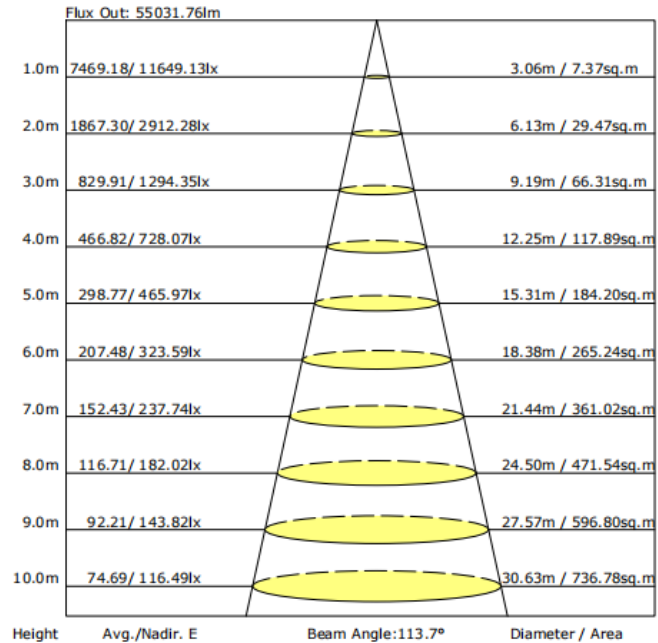
Max. Intensity: 19551.94 cd

500W

Luminous Intensity Distribution Curve



The Average Illuminance Effective Figure



Luminaire Property

Luminaire Manufacturer:

Voltage: 480.5 V

Power: 484.94 W

Current: 1.0579 A

Power Factor: 0.955

Photometric Results

IES Classification: Type II

Total Rated Lamp Lumens: 63181.4 lm

Efficiency: 100%

Upward Ratio: 0%

Central Intensity: 11649.13 cd

Pos of Max. Intensity: H247.5 V39

Longitudinal Classification: Very Short

Measurement Flux: 63181.4 lm

Downward Ratio: 100%

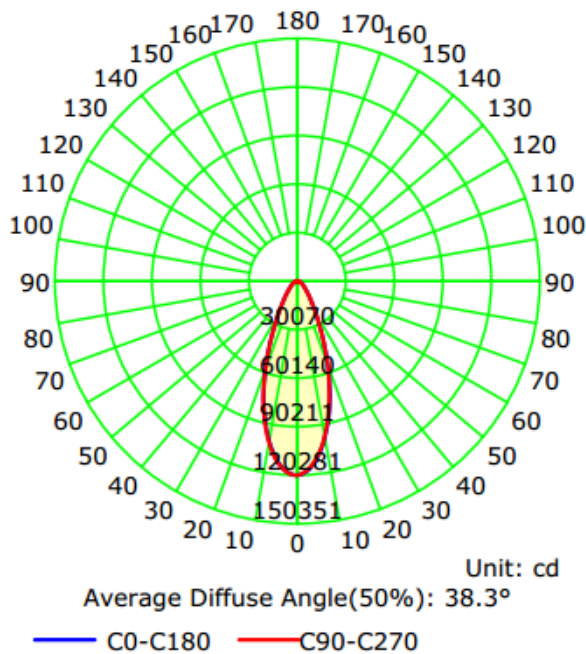
Luminaire Efficacy Rating (LER): 130.29

Max. Intensity: 25707.35 cd

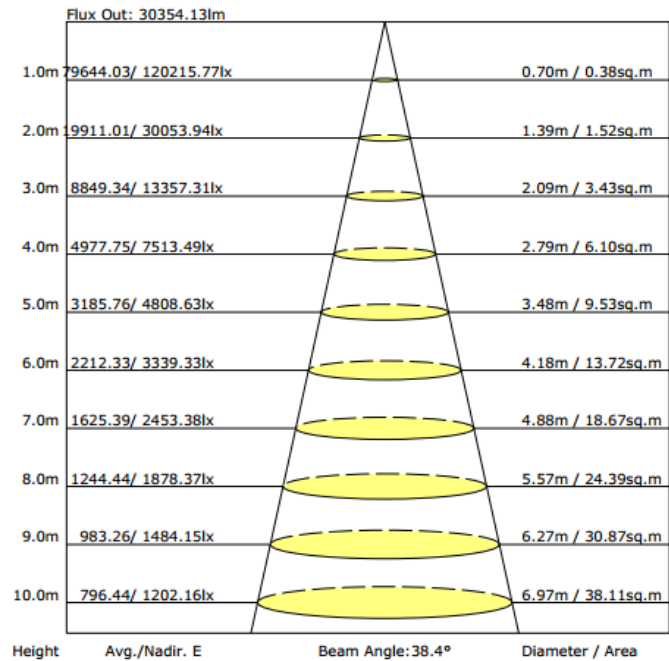
Product Specification

600W

Luminous Intensity Distribution Curve



The Average Illuminance Effective Figure



Luminaire Property

Luminaire Manufacturer:
 Voltage: 480.3 V
 Power: 568.14 W

Current: 1.2755 A
 Power Factor: 0.928

Photometric Results

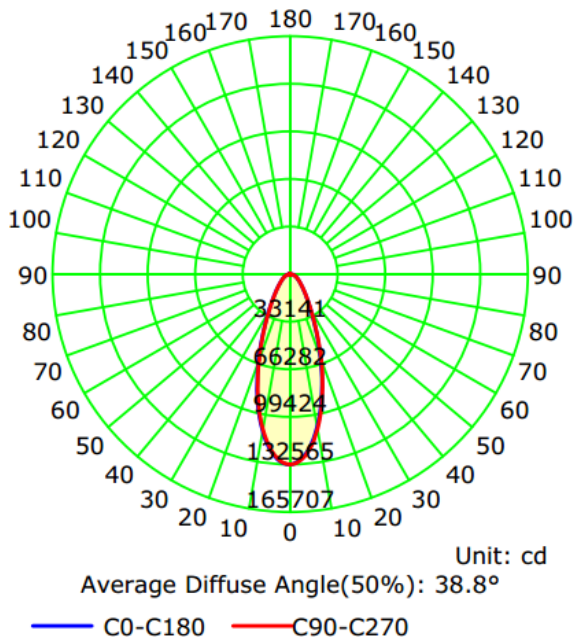
IES Classification: Type I
 Total Rated Lamp Lumens: 74593.0 lm
 Efficiency: 100%
 Upward Ratio: 1%
 Central Intensity: 120215.77 cd
 Pos of Max. Intensity: H225 V1

Longitudinal Classification: Very Short
 Measurement Flux: 74593 lm
 Downward Ratio: 99%
 Luminaire Efficacy Rating (LER): 131.29
 Max. Intensity: 120281.41 cd

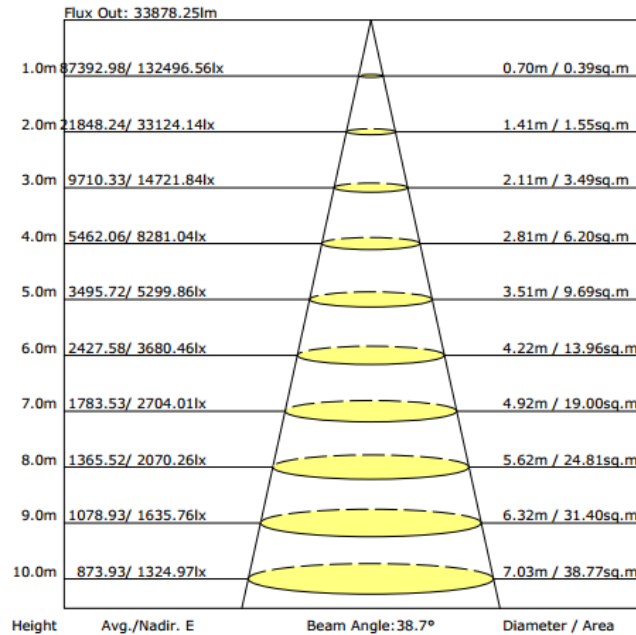
Product Specification

750W

Luminous Intensity Distribution Curve



The Average Illuminance Effective Figure



Luminaire Property

Luminaire Manufacturer:

Voltage: 480.4 V

Power: 720.31 W

Current: 1.5763 A

Power Factor: 0.952

Photometric Results

IES Classification: Type I

Total Rated Lamp Lumens: 92994.3 lm

Efficiency: 100%

Upward Ratio: 1%

Central Intensity: 132496.56 cd

Pos of Max. Intensity: H157.5 V1

Longitudinal Classification: Very Short

Measurement Flux: 92994.3 lm

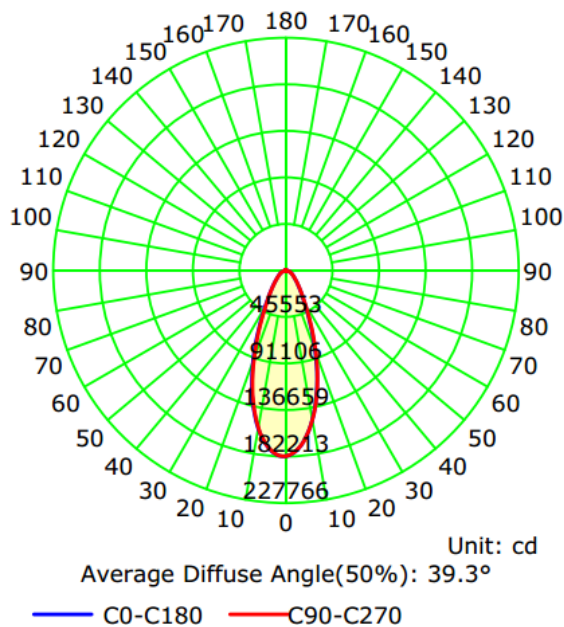
Downward Ratio: 99%

Luminaire Efficacy Rating (LER): 129.10

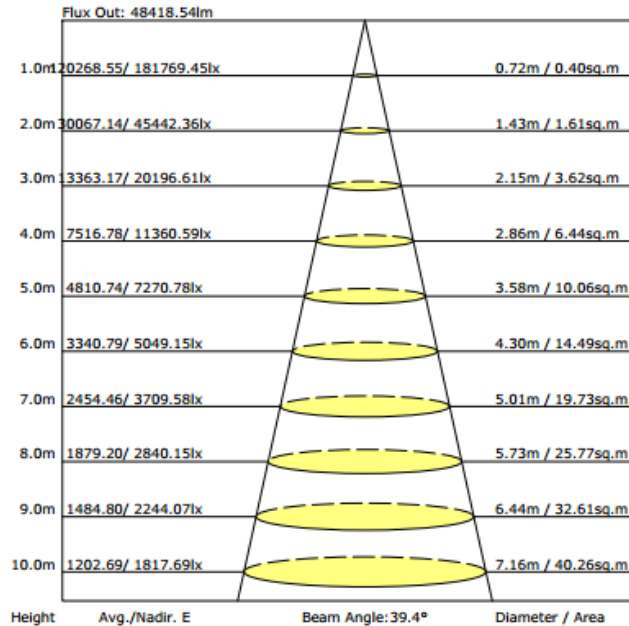
Max. Intensity: 132565.83 cd

1000W

Luminous Intensity Distribution Curve



The Average Illuminance Effective Figure



Luminaire Property

Luminaire Manufacturer:

Voltage: 480.5 V

Power: 962.86 W

Current: 2.1071 A

Power Factor: 0.952

Photometric Results

IES Classification: Type I

Total Rated Lamp Lumens: 123250.9 lm

Efficiency: 100%

Upward Ratio: 1%

Central Intensity: 181769.45 cd

Pos of Max. Intensity: H225 V1

Longitudinal Classification: Very Short

Measurement Flux: 123250.9 lm

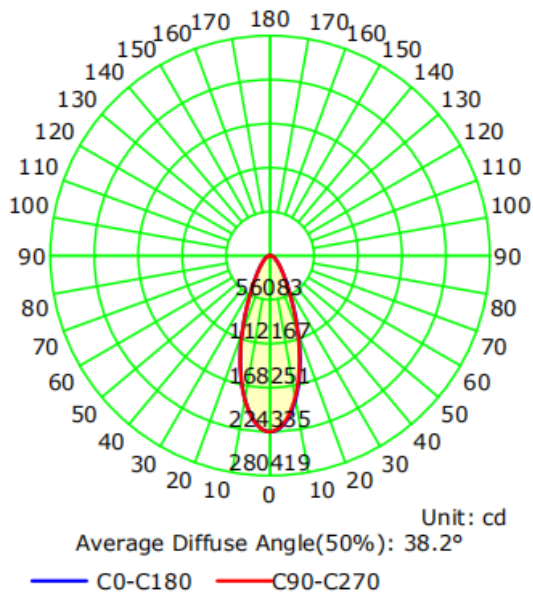
Downward Ratio: 99%

Luminaire Efficacy Rating (LER): 128.01

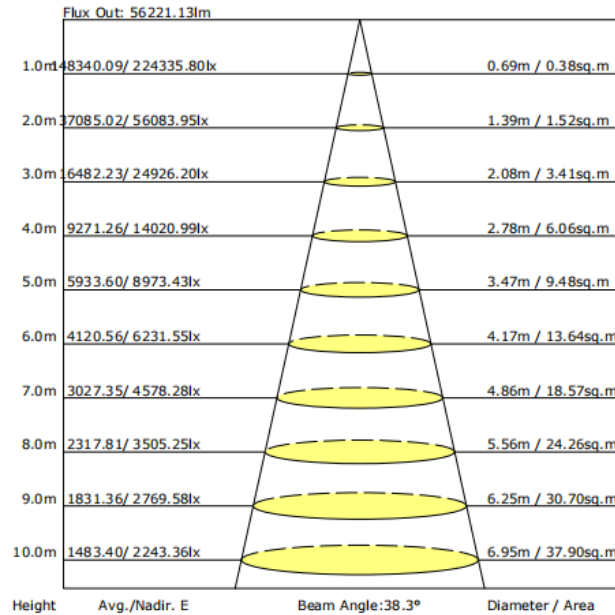
Max. Intensity: 182213.08 cd

1200W

Luminous Intensity Distribution Curve



The Average Illuminance Effective Figure



Luminaire Property

Luminaire Manufacturer:

Voltage: 480.8 V

Power: 1123.36 W

Current: 2.5192 A

Power Factor: 0.929

Photometric Results

IES Classification: Type I

Total Rated Lamp Lumens: 143428.9 lm

Efficiency: 100%

Upward Ratio: 1%

Central Intensity: 224335.8 cd

Pos of Max. Intensity: H0 V0

Longitudinal Classification: Very Short

Measurement Flux: 143428.9 lm

Downward Ratio: 99%

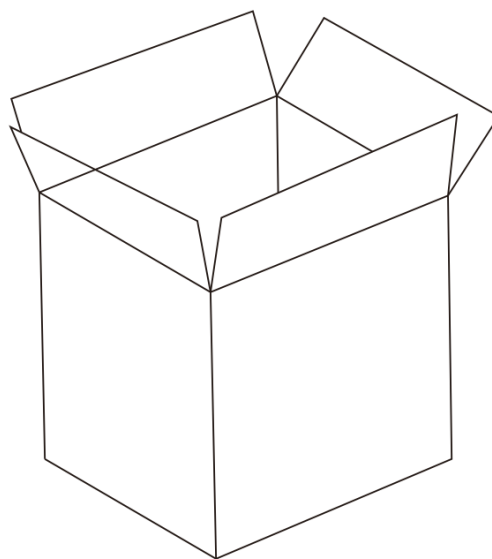
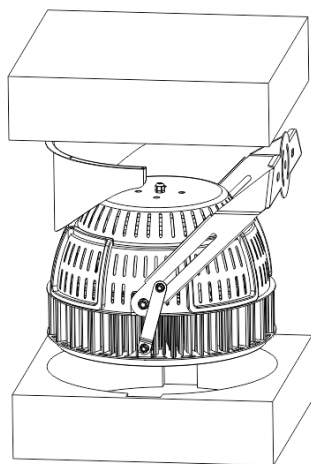
Luminaire Efficacy Rating (LER): 127.68

Max. Intensity: 224335.8 cd

Product Specification

6. Package

	AST-SP01B-400WSCS3B1-acdef	AST-SP01B-500WSCS3B1-acdef	AST-SP01B-600WSCS3B1-acdef	AST-SP01B-750WSCS3B1-acdef	AST-SP01B-1000WSCS3B1-acdef	AST-SP01B-1200WSCS3B1-acdef
Size(mm)	480*480*470		630*570*565		680*630*585	
Weight(kg/pc)	16.6	17.1	32.0	32.5	38.4	40.0



7. Notice for Users

- ◆ Please turn off power before install or change assembly parts.
- ◆ The input voltage and lamps should be matched, after connecting the power line,
- ◆ Please make sure the wiring section is insulated.
- ◆ Non-professionals must not install and disassemble the lamps.

8. Trouble Shootings

Troubles	Check points
Flickering of the light	Turn off the power and turn on again in 3 minutes. If same phenomena occur, then call agencies.
Out of working	Please check the connection.

9. Accessories

Item	Description
Light Shield	For focused effect
Cover	Cover for lighting