

Product Specification

LED Sport Light AST-SP02 – A series

Product Image



Different Types of Mounting Mean:



AM



DM



A&DM

Notes:

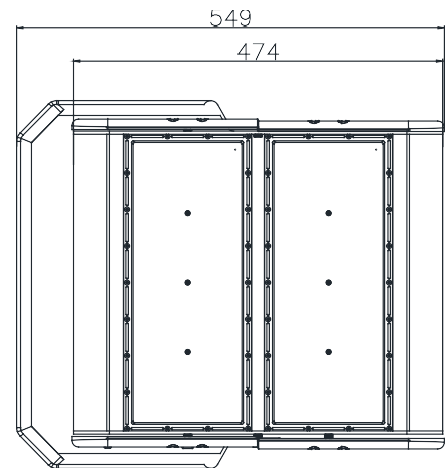
1. This specification is for our regular product specifications.
2. The right of final interpretation of this specification is reserved by International Building Supply Corporation.

1. Description

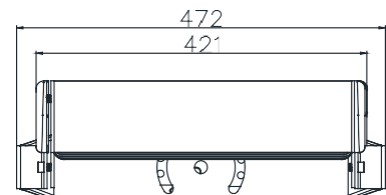
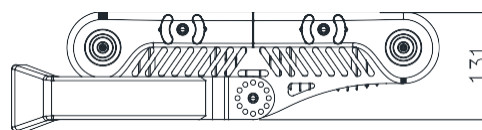
- ◆ LED Sport Lights
- ◆ Comes with brown/black/customized housing color.

2. Characteristics

- ◆ UL cUL DLC certificate.
- ◆ Input voltage AC100-277V/AC277-480V.
- ◆ 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.



Dimensions



3. Application

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

4. Technical Parameters

Code	AST-SP02-500WCS4A1-abcde	AST-SP02-500WCS4H1-abcde	AST-SP02-750WCS4A1-abcde	AST-SP02-750WCS4H1-abcde	AST-SP02-1000WCS4A1-abcde	AST-SP02-1000WCS4H1-abcde
Power(W)	500W		750W		1000W	
PF	≥ 0.9					
Input Voltage(V)	AC100-277V	AC277-480V	AC100-277V	AC277-480V	AC100-277V	AC277-480V
Efficacy(lm/W)	125-135lm/W					
Lumen Output	62500-67500lm		93750-10125lm		125000-135000lm	
CCT(K)	3000K/3500K/4000K/4500K/5000K/5700K					
Dimming	1-10V Dimming Standard					
Waterproof Rating	IP65					
CRI	>70					
Beam Angle	40 Degree					
Material	Aluminum					
Operating/storage Temperature	Operation: -40°C - 45°C/Storage: -40°C - 80°C					
Operating/Storage Humidity	Operation: 20%- 90% RH/ Storage: 10%- 95% RH					
Certification	UL/cUL/DLC					
Warranty	5 years warranty with 24/7 operating hours Luminaire lifetime at 25°C.					

Notes:

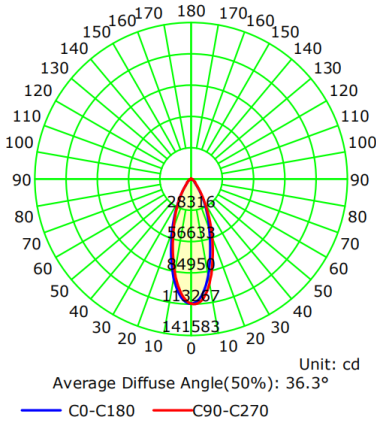
- “a” can be any two letters to represent lamp colors: WH=White, BR=Brown, or Customized ;
- “b” can be “AM”, “DM”, “A&DM”, or “FM”; represent type of Mounting Means
- “c” can be “G” for wire guard or blank for not provided
- “d” can be “10SP” or “20SP” for Surge-Protective Device type provided or blank for not provided
- “e” 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

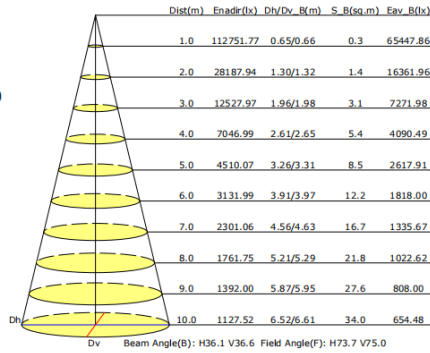
500W

AC 100-277V

Luminous Intensity Distribution Curve



Illuminance at a Distance



Luminaire Property

Luminaire Manufacturer:
Luminaire Category:
Lamp Catalog:
Number of Lamps:
Luminous Length (mm):
Luminous Height (mm):
Current: 4.163 A
Power Factor: 0.998

Luminaire Description:
Lamp Description:
Lumens per Lamp:
Luminous Width (mm):
Voltage: 120.0 V
Power: 498.56 W

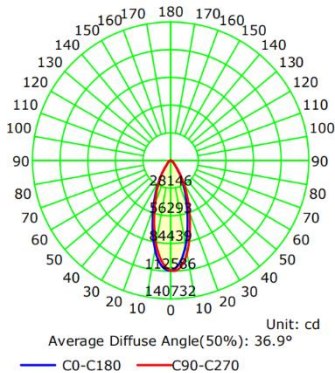
Photometric Results

IES Classification: Type I
Total Rated Lamp Lumens: 67546.6 lm
Efficiency: 100%
Upward Ratio: 3%
C0r0 Intensity: 112751.77 cd
Pos of Max. Intensity: H90 V1

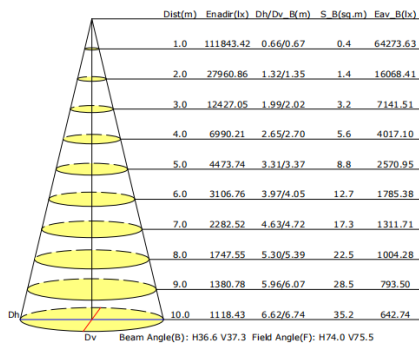
Longitudinal Classification: Very Short
Measurement Flux: 67546.6 lm
Downward Ratio: 97%
Luminaire Efficacy Rating (LER): 135.53
Max. Intensity: 113267.15 cd

AC 277-480V

Luminous Intensity Distribution Curve



Illuminance at a Distance



Luminaire Property

Luminaire Manufacturer:
Luminaire Category:
Lamp Catalog:
Number of Lamps:
Luminous Length (mm):
Luminous Height (mm):
Current: 1.809 A
Power Factor: 0.995

Luminaire Description:
Lamp Description:
Lumens per Lamp:
Luminous Width (mm):
Voltage: 277.0 V
Power: 498.52 W

Photometric Results

IES Classification: Type I
Total Rated Lamp Lumens: 64910.2 lm
Efficiency: 100%
Upward Ratio: 0%
C0r0 Intensity: 111843.42 cd
Pos of Max. Intensity: H112.5 V2

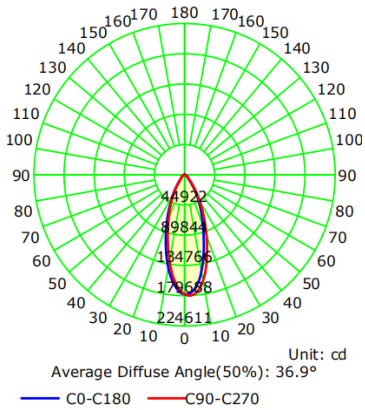
Longitudinal Classification: Very Short
Measurement Flux: 64910.2 lm
Downward Ratio: 100%
Luminaire Efficacy Rating (LER): 130.26
Max. Intensity: 112586.39 cd

Product Specification

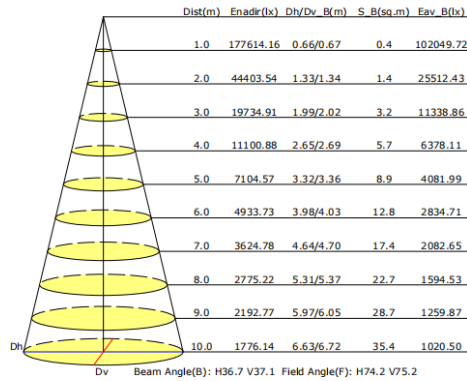
750W

AC 100-277V

Luminous Intensity Distribution Curve



Illuminance at a Distance



Luminaire Property

Luminaire Manufacturer:
Luminaire Category:
Lamp Catalog:
Number of Lamps:
Luminous Length (mm):
Luminous Height (mm):
Current: 6.327 A
Power Factor: 0.997

Luminaire Description:
Lamp Description:
Lumens per Lamp:
Luminous Width (mm):
Voltage: 120.0 V
Power: 756.98 W

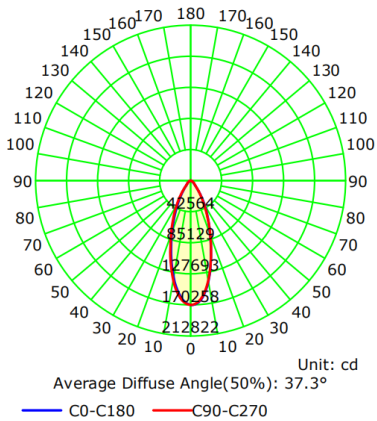
Photometric Results

IES Classification: Type I
Total Rated Lamp Lumens: 102568.7 lm
Efficiency: 100%
Upward Ratio: 0%
C0r0 Intensity: 177614.16 cd
Pos of Max. Intensity: H67.5 V2

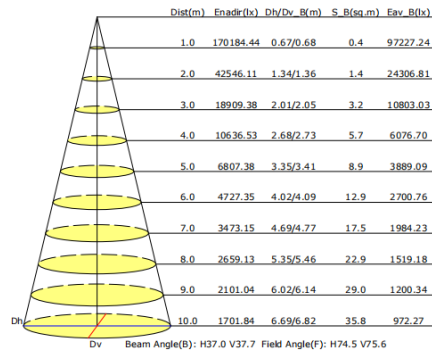
Longitudinal Classification: Very Short
Measurement Flux: 102568.7 lm
Downward Ratio: 100%
Luminaire Efficacy Rating (LER): 135.55
Max. Intensity: 179688.82 cd

AC 277-480V

Luminous Intensity Distribution Curve



Illuminance at a Distance



Luminaire Property

Luminaire Manufacturer:
Luminaire Category:
Lamp Catalog:
Number of Lamps:
Luminous Length (mm):
Luminous Height (mm):
Current: 2.734 A
Power Factor: 0.995

Luminaire Description:
Lamp Description:
Lumens per Lamp:
Luminous Width (mm):
Voltage: 277.0 V
Power: 753.66 W

Photometric Results

IES Classification: Type I
Total Rated Lamp Lumens: 98429.2 lm
Efficiency: 100%
Upward Ratio: 0%
C0r0 Intensity: 170184.44 cd
Pos of Max. Intensity: H22.5 V1

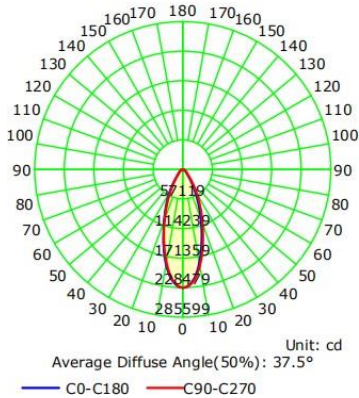
Longitudinal Classification: Very Short
Measurement Flux: 98429.2 lm
Downward Ratio: 100%
Luminaire Efficacy Rating (LER): 130.65
Max. Intensity: 170258.27 cd

Product Specification

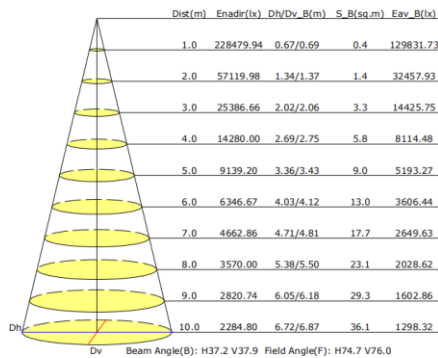
1000W

AC 100-277V

Luminous Intensity Distribution Curve



Illuminance at a Distance



Luminaire Property

Luminaire Manufacturer:
Luminaire Category:
Lamp Catalog:
Number of Lamps:
Luminous Length (mm):
Luminous Height (mm):
Current: 8.405 A
Power Factor: 0.997

Luminaire Description:
Lamp Description:
Lumens per Lamp:
Luminous Width (mm):
Voltage: 120.0 V
Power: 1005.63 W

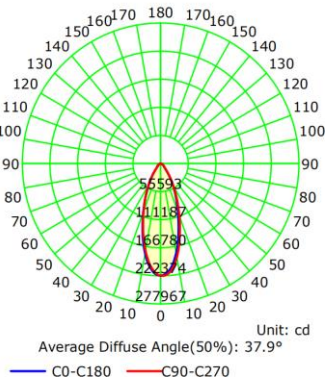
Photometric Results

IES Classification: Type I
Total Rated Lamp Lumens: 135986.1 lm
Efficiency: 100%
Upward Ratio: 0%
C0r0 Intensity: 228479.94 cd
Pos of Max. Intensity: H0 V0

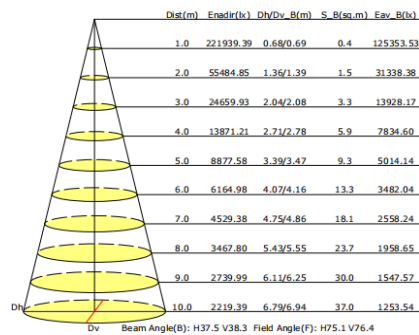
Longitudinal Classification: Very Short
Measurement Flux: 135986.1 lm
Downward Ratio: 100%
Luminaire Efficacy Rating (LER): 135.27
Max. Intensity: 228479.94 cd

AC 277-480V

Luminous Intensity Distribution Curve



Illuminance at a Distance



Luminaire Property

Luminaire Manufacturer:
Luminaire Category:
Lamp Catalog:
Number of Lamps:
Luminous Length (mm):
Luminous Height (mm):
Current: 3.660 A
Power Factor: 0.995

Luminaire Description:
Lamp Description:
Lumens per Lamp:
Luminous Width (mm):
Voltage: 277.0 V
Power: 1008.78 W

Photometric Results

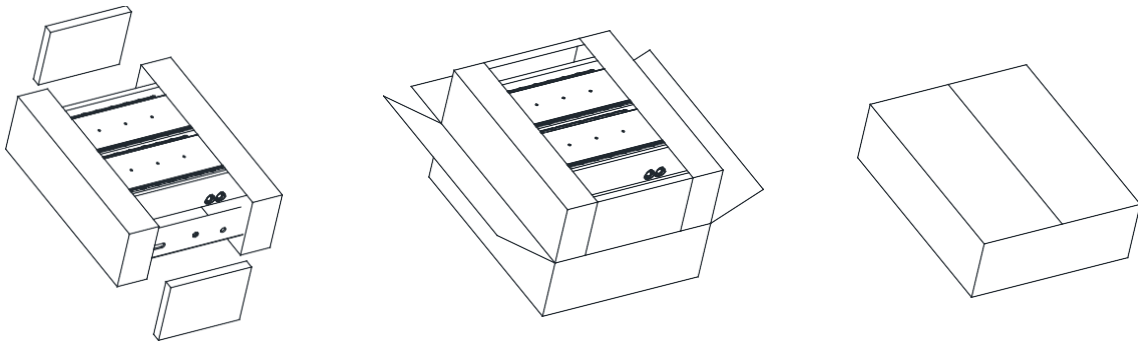
IES Classification: Type I
Total Rated Lamp Lumens: 132050.0 lm
Efficiency: 100%
Upward Ratio: 0%
C0r0 Intensity: 221939.39 cd
Pos of Max. Intensity: H90 V1

Longitudinal Classification: Very Short
Measurement Flux: 132050 lm
Downward Ratio: 100%
Luminaire Efficacy Rating (LER): 130.95
Max. Intensity: 222374.32 cd

6. Package

Bracket Type		AST-SP02-500WCS4A1-abcde	AST-SP02-500WCS4H1-abcde	AST-SP02-750WCS4A1-abcde	AST-SP02-750WCS4H1-abcde	AST-SP02-1000WCS4A1-abcde	AST-SP02-1000WCS4H1-abcde
AM	Size	920*542*250		1100*542*250		1280*542*250	
	Net Weight(kg)	20		27		35	
	Total Weight(kg)	22.5		29.5		38.5	
DM	Size	920*542*250		1100*542*250		1280*542*250	
	Net Weight(kg)	20.1		27.1		35.1	
	Total Weight(kg)	22.6		29.6		38.6	
A&DM	Size	920*542*250		1100*542*250		1280*542*250	
	Net Weight(kg)	20.3		27.3		35.3	
	Total Weight(kg)	22.8		29.8		38.8	
FM	Size	760*542*250		940*542*250		1020*542*250	
	Net Weight(kg)	18		26		34	
	Total Weight(kg)	20.5		28.5		37.5	

Note: Tolerance of Carton Size: ± 15 MM, Tolerance of Weight: $\pm 10\%$.



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.