



P/N: AST-S-G14B-300WXYA2-abcdefg

Note:

AST= Company name;

S-G14B = Product series, LED Shoebox Light;

300W = Rating Power;

"X" stands for LED manufactory, could be any letter, "B" for Lumileds;

"Y" represents diffuser light angle type: "T3" for TYPE III, "T4" for TYPE IV, "T5" for TYPE V;

A2=120-277VAC;

"a" can be any two letters to represent lamp colors, BR=Brown, BH=Black, or Customized;

"b" can be "3RP", "3NP", "5RP", "5NP", "7RP" or "7NP" for Photocontrol type provided or blank for no Photocontrol provided;

"c" can be "10SP" or "20SP" for Surge-protective Device type provided or blank for no Surge-Protective Device provided;

"d" can be "DM", "DP", "Z", "ZM", "ZP" or blank for DC sensor type provided or not;

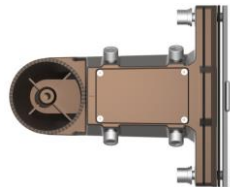
"e" can be "AM", "DM", "A&D", or "FM" to represent mounting bracket types;

"f" can be "W" or blank for Power Control provided or not;

"g" can be any two digits to represent CCT;

AM

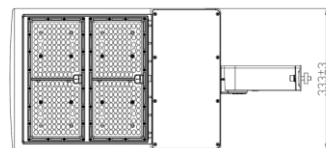
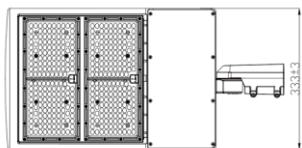
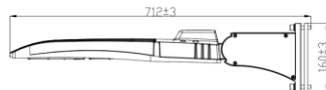
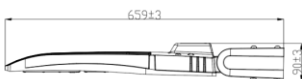
DM



FM

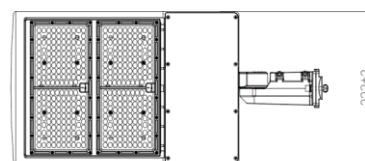
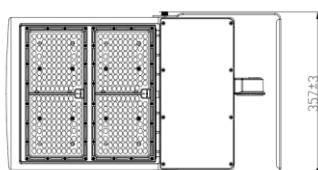
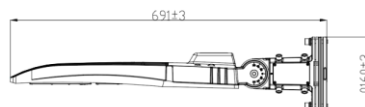
A&D

## DIMENSIONS



AM

DM



## ADVANTAGE

- UL cUL certificate;
- Lumileds Chip, high CRI;
- Input voltage 120-277VAC;
- Output constant current lever can be; adjusted through output cable with 1-10V;
- No UV or IR in the beam;

## APPLICATION

- Outdoor basketball court, tennis court;
- Badminton court, the football field;
- The school playground, stadium;
- Community leisure entertainment plaza, road lamp etc;

FM

A&D

## SPECIFICATIONS

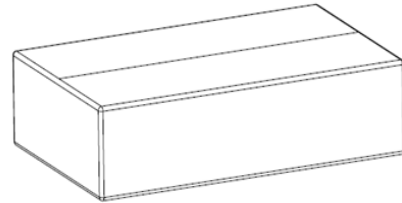
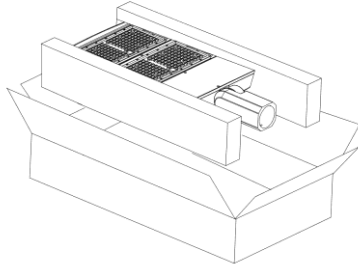
OPTICAL	Input Power (Tolerance : $\pm 10\%$ )	300W (Wattage Tunable: 300W 240W 200W )	
	Color Temperature	2700K-3500K	4000K-6500K
	Lumen (Tolerance : $-10\%$ )	36000-40500 LM	39000-43500 LM
	Efficacy (Tolerance : $-3\%$ )	120-135 LM/W	130-145 LM/W
	CRI	>80	
	Color Consistency	<6 Steps (or <6 SDCM)	
	BUG	B4-U3-G4	
	Distribution Pattern	Type <b>III</b> (Optional: TYPE <b>IV</b> and TYPE <b>V</b> )	
	Beam Angle (50%) (Tolerance : $\pm 15\%$ )	155*90 Degree Type <b>III</b>	
ELECTRICAL	Input Voltage and Frequency	120-277VAC, 50/60Hz	
	PF (Tolerance : $-3\%$ )	$\geq 0.9$	
	THD (Tolerance : $+5\%$ )	$\leq 20\%$	
	Flicker Percent	<70%	
	Driver Brand	Weledpower	
	Driver Model	WP-CNB-150U-1A5SCPO7-ZA double	
	Driver Surge protection	L/N-PE: 4kV, L-N: 4kV	
	Dimming	1-10V dimming standard	
	Sensor Type	Occupancy Sensor, Exterior Photocell, Integral Sensor Receptacle	
	Optional Accessory	Photocontrol, Surge-protective Device, DC Motion Microwave sensor, DC Motion PIR sensor, photocell receptacle, shorting cap	
MATERIALS	LED Brand	Lumileds	
	LED Type	SMD2835	
	LED QTY	374 PCS	
	Housing	Die-cast aluminum	
	Housing Color	Brown, Black, or Customized	
	EPA	2.1 ft <sup>2</sup>	
	Waterproof Rating	WET (IP65)	
OTHERS	Operating Temperature	Motion Sensor: $-40^{\circ}\text{C}$ TO $50^{\circ}\text{C}$ ; With DC Motion Sensor: $-30^{\circ}\text{C}$ TO $50^{\circ}\text{C}$	
	Storage Temperature	$-40^{\circ}\text{C}$ TO $85^{\circ}\text{C}$	
	Operating Humidity	10% - 90% RH	
	Storage Humidity	5% - 95% RH	
	Warranty	5 years warranty with 24/7 operating hours Luminaire lifetime at $25^{\circ}\text{C}$ .	

## PACKAGE

Bracket Type	Carton Size	Qty / Carton	Net Weight / Carton	Gross Weight / Carton
AM	750*385*155 MM	1 PC	6.2Kg	7.5Kg
DM	750*385*155 MM	1 PC	6.4Kg	7.7Kg

FM	765*395*170 MM	1 PC	7.4Kg	8.7Kg
A&D	750*385*155 MM	1 PC	6.5Kg	7.8Kg

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



## LIGHT DISTRIBUTION TESTING PARAMETERS < Type III >

### Luminaire Property

Luminaire Manufacturer:  
Luminaire Category:  
Lamp Catalog:  
Number of Lamps:  
Luminous Length (mm):  
Luminous Height (mm):  
Current: 2.501 A  
Power Factor: 0.999

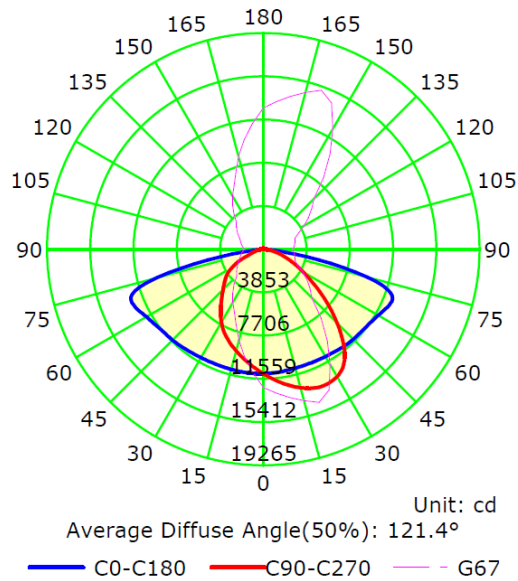
Luminaire Description:  
Lamp Description:  
Lumens per Lamp:  
Luminous Width (mm):  
Voltage: 120.0 V  
Power: 299.85 W

### Photometric Results

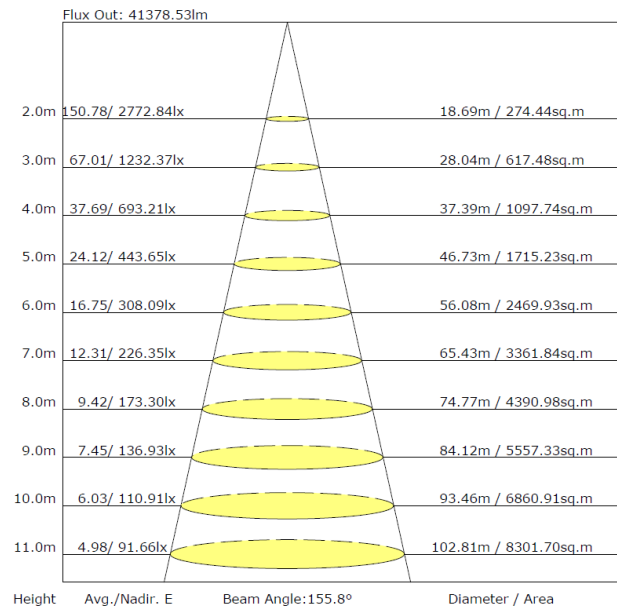
IES Classification: Type III  
Total Rated Lamp Lumens: 39808.1 lm  
Efficiency: 100%  
Upward Ratio: 0%  
C0r0 Intensity: 10602.1 cd  
Pos of Max. Intensity: H157.5 V68

Longitudinal Classification: Medium  
Measurement Flux: 39808.1 lm  
Downward Ratio: 100%  
Luminaire Efficacy Rating (LER): 132.81  
Max. Intensity: 14047.44 cd

Luminous Intensity Distribution Curve



The Average Illuminance Effective Figure



## NOTICE FOR USER

- 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.
- No-professionals, must not install and disassemble the lamps.

## 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.