



**AM**



**DM**



**YM**

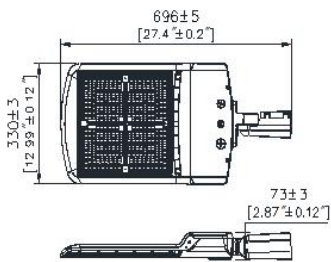


**A&D**

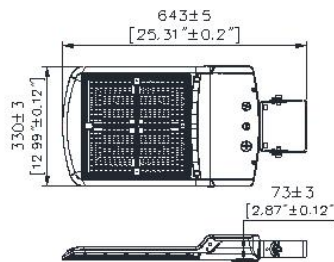


**FM**

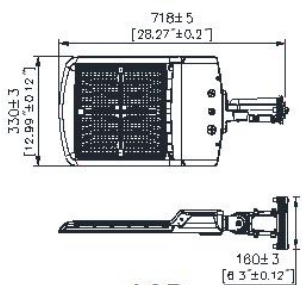
## DIMENSIONS



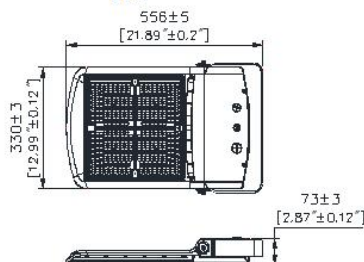
**AM**



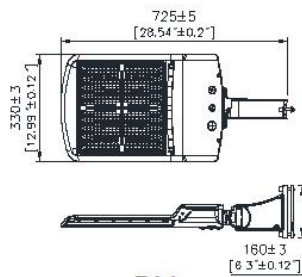
**YM**



**A&D**



**FM**



**DM**

P/N: AST-S-G12C-300WBT3SH3-abcdef

Note:

AST= Company name;

S-G12C= Product series, LED Shoebox Light;

300W = Rating Power;

B = LED manufacturer, Lumileds 2835;

T3 = Diffuser light angle type, TYPE III;

S=Color Non-tunable;

H3= 277-480VAC

“a” can be any two letters for lamp colors;BR=Brown, BH=Black, or Customized;

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

“c” can be “10SP”, “20SP” for Surge-Protective Device type provided or blank for no Surge-Protective Device provided;

“d” can be “DM”, “DM1”, “DP”, “DP1” or blank for DC Motion Sensor, DC PIR Sensor provided or not;

“e” can be “AM”, “DM”, “DM1”, “DM2”, “YM”, “A&D”, “FM” for mounting bracket type;

“f” can be any digits for CCT;

## ADVANTAGE

- UL cUL DLC5.1 premium certificate;
- Lumileds Chip, high CRI.
- Input voltage 277-480VAC;
- Output constant current lever can be; adjusted through output cable with 0-10V;
- No UV or IR in the beam;
- Easy to install and operate;
- Energy saving, long lifespan;
- Light is soft and uniform, safe to eyes;
- Instant start, NO flickering, NO humming;
- Green and eco-friendly without mercury;

## APPLICATION

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



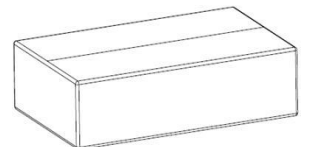
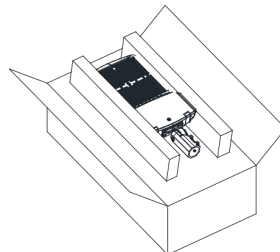
## SPECIFICATIONS

<b>OPTICAL</b>	Input Power (Tolerance : ±10%)	300W/240W/200W Adjustable		
	Color Temperature	4000K	5000K	6500K
	Lumen (Tolerance : ±10%)	45000 LM	45000LM	45000 LM
	Efficacy (Tolerance : ±3%)	150 LM/W	150 LM/W	150LM/W
	CRI	>80		
	Color Consistency	<6 Steps (or <6 SDCM)		
	BUG	B5-U0-G5		
	Distribution Pattern	Type III		
Beam Angle (50%) (Tolerance : ±10%)	90*60 Degree			
<b>ELECTRICAL</b>	Input Voltage and Frequency	277-480VAC, 50/60Hz		
	PF (Tolerance : -3%)	≥0.9		
	THD (Tolerance : +5%)	≤20%		
	Flicker Percent	<5%		
	Driver Brand	SOSEN		
	Driver Model	SS-320NS-260BH		
	Driver Surge protection	L/N-PE: 6kV, L-N: 6kV		
	Dimming	0-10V dimming standard		
	Sensor Type	Occupancy Sensor, Exterior Photocell, Integral Sensor Receptacle		
	Optional Accessory	Surge-protective Device, DC Motion Microwave sensor, DC Motion PIR sensor, photocell receptacle, shorting cap		
<b>MATERIALS</b>	LED Brand	Lumileds		
	LED Type	2835		
	LED QTY	364 PCS		
	Housing	Die-cast aluminum		
	Housing Color	Brown, Black, or Customized		
	EPA	1.92 ft <sup>2</sup>		
	Waterproof Rating	WET (IP65)		
<b>OTHERS</b>	Operating Temperature	Without Motion Sensor: -40°C TO 45°C; With Motion Sensor: -35°C TO 45°C		
	Storage Temperature	-40°C TO 80°C		
	Operating Humidity	20% - 90% RH		
	Storage Humidity	10% - 95% RH		
	Warranty	5 years		

## PACKAGE

Bracket Type	Carton Size	Qty / Carton	Net Weight / Carton	Gross Weight / Carton
AM	765*380*148mm[30.12*14.96*5.83inch]	1 PC	5.0kg [11.0 LBS]	6.4kg [14.08 LBS]
DM	765*380*148mm[30.12*14.96*5.83inch]	1 PC	5.2kg [11.44 LBS]	6.6kg [14.52 LBS]
YM	700*380*148mm[27.56*14.96*5.83inch]	1 PC	6.0kg [13.2 LBS]	7.3kg [16.06 LBS]
A&D	765*380*148mm[30.12*14.96*5.83inch]	1 PC	5.3kg [11.66 LBS]	6.7kg [14.74 LBS]
FM	700*380*148mm[27.56*14.96*5.83inch]	1 PC	5.9kg [12.98 LBS]	7.2kg [15.84 LBS]

Tolerance of Carton Size: ±15 MM[ ±0.59inch], Tolerance of Weight: ±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: 1.094 A  
Power Factor: 0.998

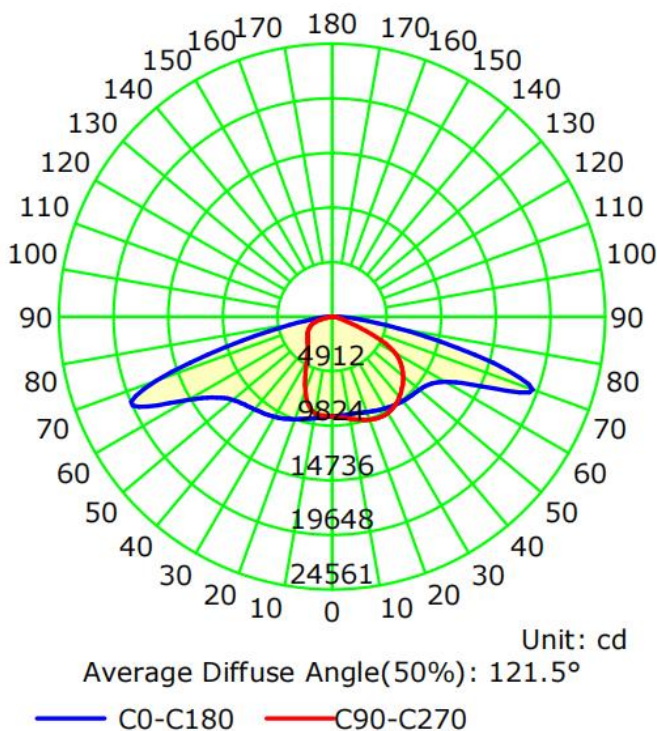
Luminaire Description:  
Lamp Description:  
Lumens per Lamp:  
Luminous Width (mm):  
Voltage: 277.0 V  
Power: 302.51 W

**Photometric Results**

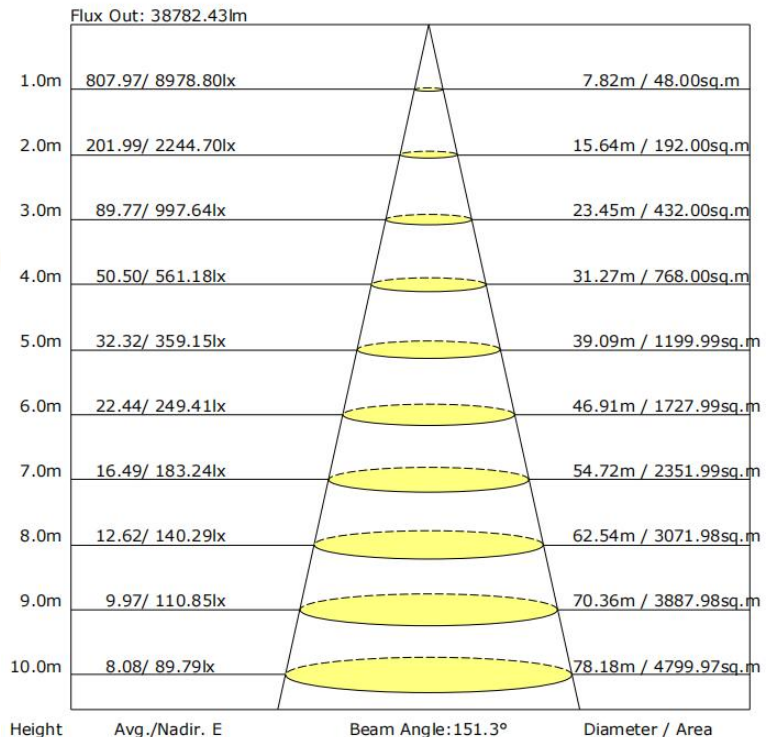
IES Classification: Type III  
Total Rated Lamp Lumens: 41344.5 lm  
Efficiency: 100%  
Upward Ratio: 0%  
C0r0 Intensity: 8978.8 cd  
Pos of Max. Intensity: H180 V67  
Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 151.3, 91.8, 125.1, 115.0

Longitudinal Classification: Medium  
Measurement Flux: 41344.5 lm  
Downward Ratio: 100%  
Luminaire Efficacy Rating (LER): 136.72  
Max. Intensity: 19648.88 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.

