



**AM**



**DM**



**YM**

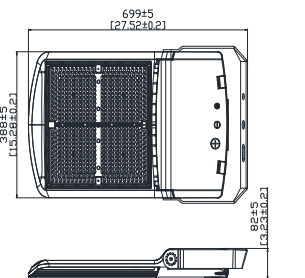
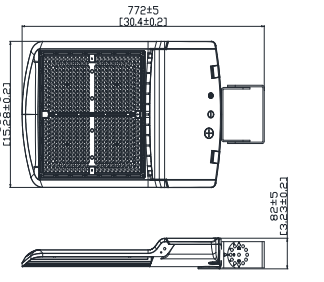
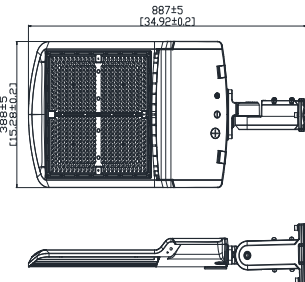
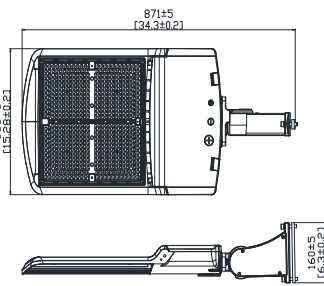
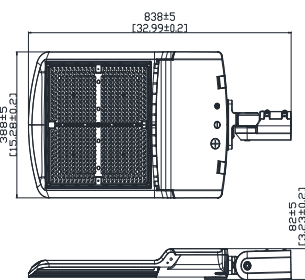


**A&D**



**FM**

## DIMENSIONS



P/N: AST-S-G12C-480WBT3SH3-abcdef

Note:

AST= Company name;

S-G12C= Product series, LED Shoebox Light;

480W = 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;



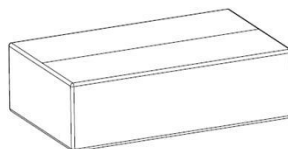
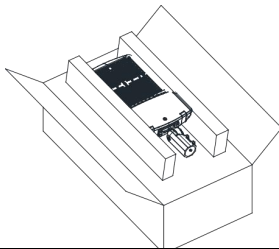
## SPECIFICATIONS

<b>OPTICAL</b>	Input Power (Tolerance : ±10%)	480W					
	Color Temperature	3000K	3500K	4000K	4500K	5000K	5700K
	Lumen (Tolerance : ±10%)	63870 LM	64700 LM	65500 LM	66300 LM	67100 LM	67900 LM
	Efficacy (Tolerance : ±3%)	135 LM/W	137 LM/W	138 LM/W	140 LM/W	141 LM/W	142 LM/W
	CRI	>80					
	Color Consistency	<6 Steps (or <6 SDCM)					
	BUG	B5-U0-G5					
	Distribution Pattern	Type III					
Beam Angle (50%) (Tolerance : ±10%)	90*50 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-240NS-260BH*2					
	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	560 PCS					
	Housing	Die-cast aluminum					
	Housing Color	Brown, Black, or Customized					
	EPA	2.76 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	915*460*160mm[36.02*18.11*6.30inch]	1 PC	10.5kg [23.1LBS]	12kg [26.4 LBS]
DM	915*460*160mm[36.02*18.11*6.30inch]	1 PC	11kg [24.2 LBS]	12.5kg [27.5 LBS]
YM	845*460*160mm[33.27*18.11*5.83inch]	1 PC	10.0kg [22 LBS]	11.6kg [25.52 LBS]
A&D	915*460*160mm[36.02*18.11*6.30inch]	1 PC	10.9kg [23.98 LBS]	12.4kg [27.28 LBS]
FM	845*460*160mm[33.27*18.11*5.83inch]	1 PC	10.5kg [23.1 LBS]	12kg [26.4 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: 1.703 A  
Power Factor: 0.999

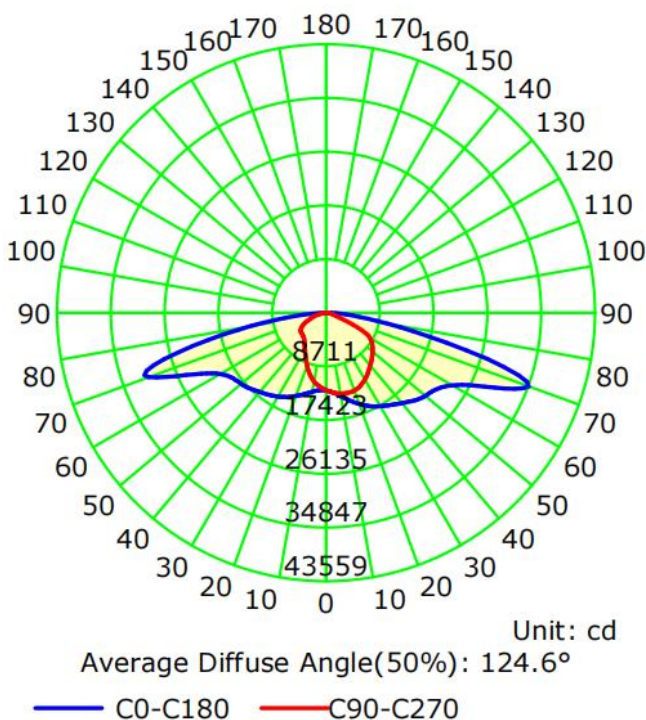
Luminaire Description:  
Lamp Description:  
Lumens per Lamp:  
Luminous Width (mm):  
Voltage: 277.0 V  
Power: 471.19 W

**Photometric Results**

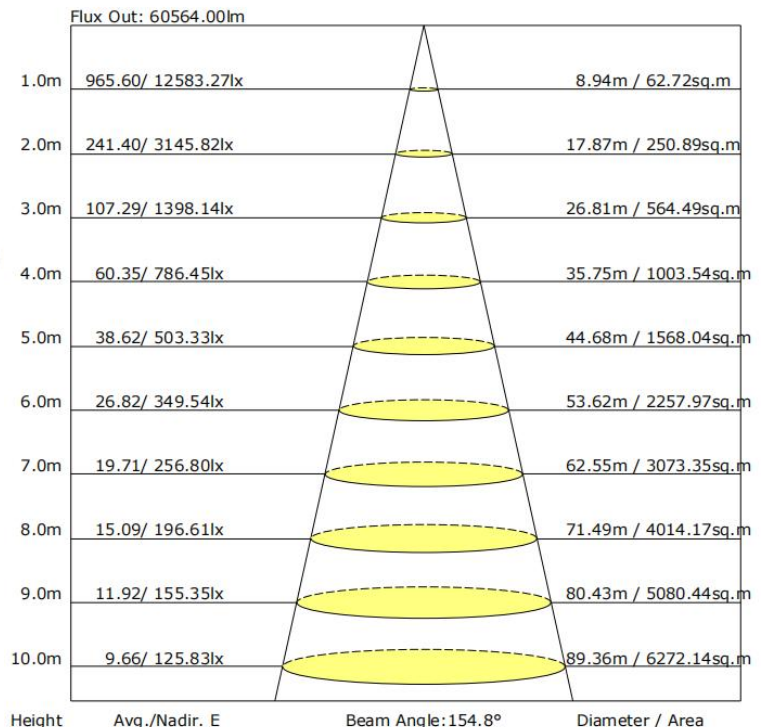
IES Classification: Type III  
Total Rated Lamp Lumens: 63871.0 lm  
Efficiency: 100%  
Upward Ratio: 0%  
C0r0 Intensity: 12583.27 cd  
Pos of Max. Intensity: H0 V70  
Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 154.8, 94.5, 111.9, 127.1

Longitudinal Classification: Medium  
Measurement Flux: 63871 lm  
Downward Ratio: 100%  
Luminaire Efficacy Rating (LER): 135.60  
Max. Intensity: 34847.95 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.

