



AM



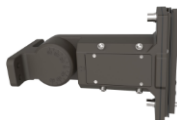
DM



YM1



YM2

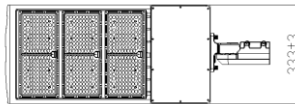


A&D

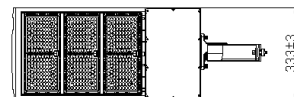
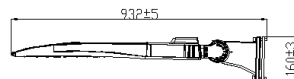


FM

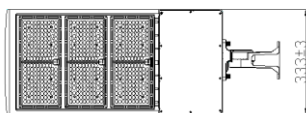
DIMENSIONS



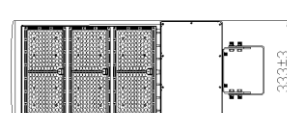
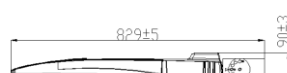
AM



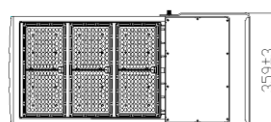
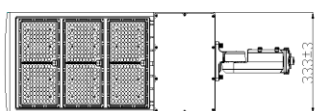
DM



YM1



YM2



P/N: AST-S-G14-450WXYA1-abcdefg

Note:

AST= Company name;

S-G14 = Product series, LED Shoebox Light;

450W = 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;

A1=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" or blank for DC Motion Microwave sensor, DC Motion PIR sensor provided or not;

"e" can be "AM", "DM", "YM1", "YM2", "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;

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;
- Easy to install and operate;
- Energy saving, long lifespan;

APPLICATION

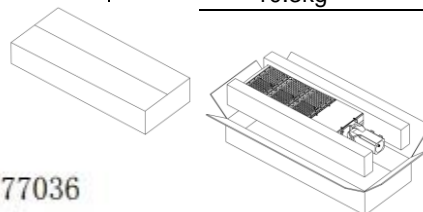
- Outdoor basketball court, tennis court;
- Badminton court, the football field;
- The school playground, stadium;
- Community leisure entertainment plaza, road lamp etc;

SPECIFICATIONS

OPTICAL	Input Power (Tolerance : $\pm 10\%$)	450W (Wattage Tunable: 450W 400W 380W)	
	Color Temperature	2700K-3500K	4000K-6500K
	Lumen (Tolerance : $\pm 10\%$)	54000-60750 LM	58500-65250 LM
	Efficacy (Tolerance : $\pm 3\%$)	120-135 LM/W	130-145 LM/W
	CRI	>80	
	Color Consistency	<6 Steps (or <6 SDCM)	
	BUG	B5-U0-G5	
	Distribution Pattern	Type III (Optional: TYPE IV and TYPE V)	
	Beam Angle (50%) (Tolerance : $\pm 15\%$)	150*95 Degree Type III	
ELECTRICAL	Input Voltage and Frequency	120-277VAC, 50/60Hz	
	PF (Tolerance : -3%)	≥ 0.9	
	THD (Tolerance : +5%)	$\leq 20\%$	
	Flicker Percent	<5%	
	Driver Brand	LIFUD	
	Driver Model	LF-FAA240 double	
	Driver Surge protection	L/N-PE: 6kV, L-N: 6kV	
	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	552 PCS	
	Housing	Die-cast aluminum	
	Housing Color	Brown, Black, or Customized	
	EPA	2.8 ft ²	
	Waterproof Rating	WET (IP65)	
OTHERS	Operating Temperature	-40°C TO 50°C; With Motion Sensor: -30°C TO 50°C	
	Storage Temperature	-40°C TO 80°C	
	Operating Humidity	5% - 95% RH	
	Storage Humidity	5% - 95% RH	
	Warranty	5 years	

PACKAGE

Bracket Type	Carton Size	Qty / Carton	Net Weight / Carton	Gross Weight / Carton
AM	975*395*163MM	1 PC	9.12kg	10.5kg
DM	975*395*163MM	1 PC	8.72kg	10.1kg
YM1	975*395*163MM	1 PC	8.82kg	10.2kg
YM2	905*395*163MM	1 PC	8.52kg	9.9kg
A&D	975*395*163MM	1 PC	9.37kg	10.75kg
FM	905*395*163MM	1 PC	8.92kg	10.3kg

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


LIGHT DISTRIBUTION TESTING PARAMETERS

< Type III >

Luminaire Property

Luminaire Manufacturer:

Voltage: 120.5 V

Power: 460.30 W

Current: 3.828 A

Power Factor: 0.998

Photometric Results

IES Classification: Type III

Total Rated Lamp Lumens: 62641.5 lm

Efficiency: 100%

Upward Ratio: 1%

Central Intensity: 16466.63 cd

Pos of Max. Intensity: H22.5 V63

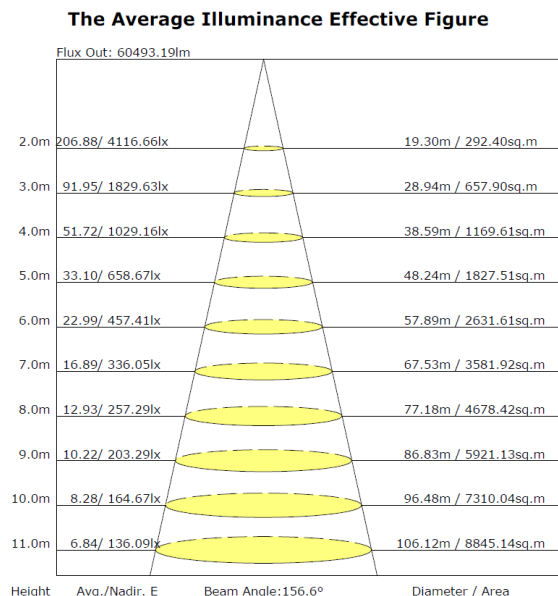
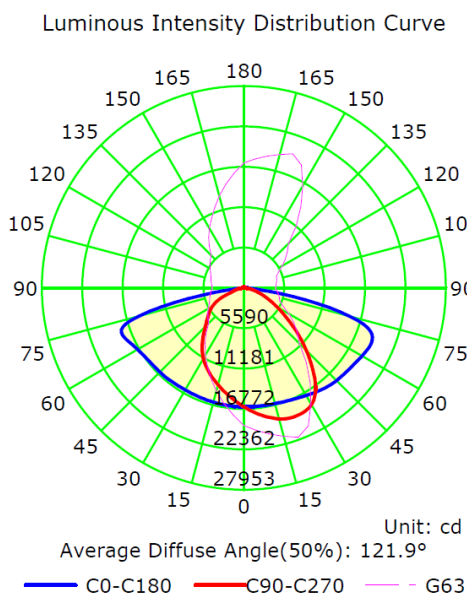
Longitudinal Classification: Short

Measurement Flux: 62641.5 lm

Downward Ratio: 99%

Luminaire Efficacy Rating (LER): 136.14

Max. Intensity: 22362.95 cd



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.