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P/N: AST-S-G12C-480WBT3DA1-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
 D=Color Tunable
 A1 = Version number
 "a" can be any two letters for lamp colors;
 "b" represent Photocell, which can be "3RP", "3NP", "5RP", "5NP", "7RP", "7NP" for Photocell type provided or blank for no Photocell provided;
 "c" can be "10SP", "20SP" or blank for Surge protector type provided or not;
 "d" can be "M", "DM", "DP" or blank for DC Motion Sensor, DC PIR Sensor provided or not;
 "e" represent bracket, can be "AM", "DM", "YM", "A&D" and "FM" or not;
 "f" can be any two digits to represent CCT, Can be **40/50/57K=4000/5000/5700K**;



DM



A&D



AM

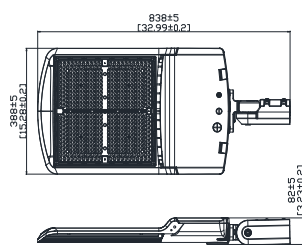


YM

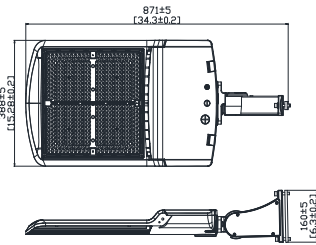


FM

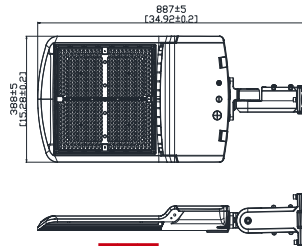
DIMENSIONS



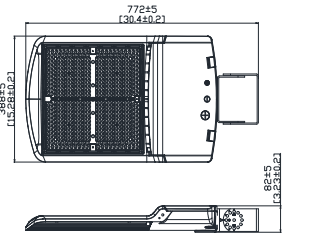
AM



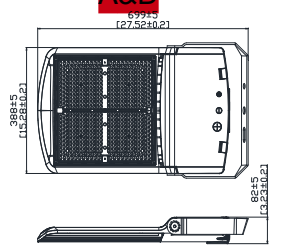
DM



A&D



YM



FM

ADVANTAGE

- UL cUL DLC5.1 premium certificate.
- Lumileds Chip, high CRI.
- Input voltage **120-277VAC**.
- 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 luminaire etc.

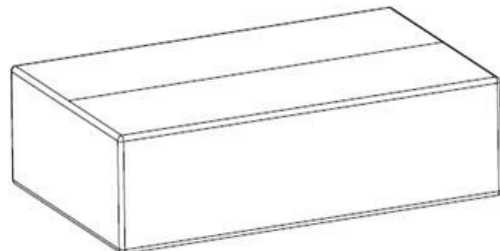
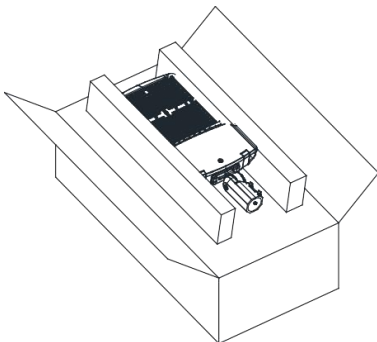
SPECIFICATIONS

OPTICAL	Input Power (Tolerance : $\pm 10\%$)	480W		
	Color Temperature (Color Tunable)	4000K	5000K	5700K
	Lumen (Tolerance : $\pm 10\%$)	64800 LM	72480 LM	65280 LM
	Efficacy (Tolerance : $\pm 3\%$)	135 LM/W	151 LM/W	136 LM/W
	CRI	>80		
	Color Consistency	<7 Steps (or <7 SDCM)		
	BUG	B5-U0-G5		
	Distribution Pattern	Type III		
	Beam Angle (50%) (Tolerance : $\pm 10\%$)	155*100 Degree		
ELECTRICAL	Input Voltage and Frequency	120-277VAC, 50/60Hz		
	PF (Tolerance : -3%)	≥ 0.9		
	THD (Tolerance : +5%)	$\leq 20\%$		
	Flicker Percent	<5%		
	Driver Brand	SOSEN		
	Driver Model	SS-240NH-E260BH*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	Photocontrol, Surge-protective Device, Motion Sensor		
MATERIALS	LED Brand	LUMILEDS		
	LED Type	SMD2835		
	LED QTY	560*2 PCS		
	Housing	Die-cast aluminum		
	Housing Color	Bronze, Black, or Customized		
	Waterproof Rating	WET (IP65)		
OTHERS	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

Stent Type	Lamps Net Weight	Size	Qty/ Carton	Weight/ Carton
AM	10.5 KG (23.15 LBS)	915*460*160 MM (36.02"*18.11"*6.3")	1	12 KG (26.46 LBS)
DM	11 KG (24.25 LBS)	915*460*160 MM (36.02"*18.11"*6.3")	1	12.5 KG (27.56 LBS)
YM	10.1 KG (22.27 LBS)	845*460*160 MM (33.27"*18.11"*6.3")	1	11.6 KG (25.57 LBS)
A&D	10.9 KG (24.03 LBS)	915*460*160 MM (36.02"*18.11"*6.3")	1	12.4 KG (27.34 LBS)
FM	10.5 KG (23.15 LBS)	845*460*160 MM (33.27"*18.11"*6.3")	1	12 KG (26.46 LBS)

Tolerance of Carton Size: ± 15 MM [± 0.59 inch], Tolerance of Weight: $\pm 10\%$.



LIGHT DISTRIBUTION TESTING PARAMETERS

Luminaire Property

Luminaire Manufacturer:
 Luminaire Category:
 Lamp Catalog:
 Number of Lamps:
 Luminous Length (mm):
 Luminous Height (mm):
 Current: 4.003 A
 Power Factor: 0.999

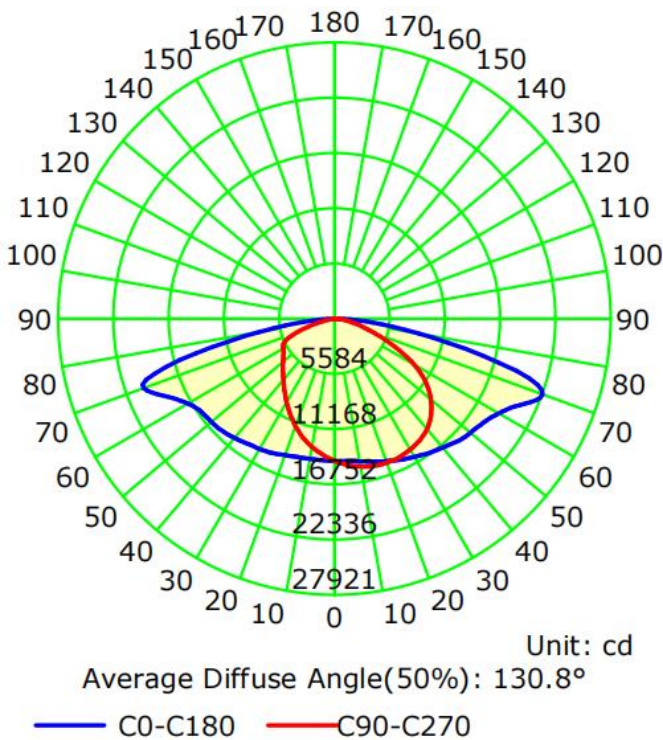
Luminaire Description:
 Lamp Description:
 Lumens per Lamp:
 Luminous Width (mm):
 Voltage: 120.0 V
 Power: 479.85 W

Photometric Results

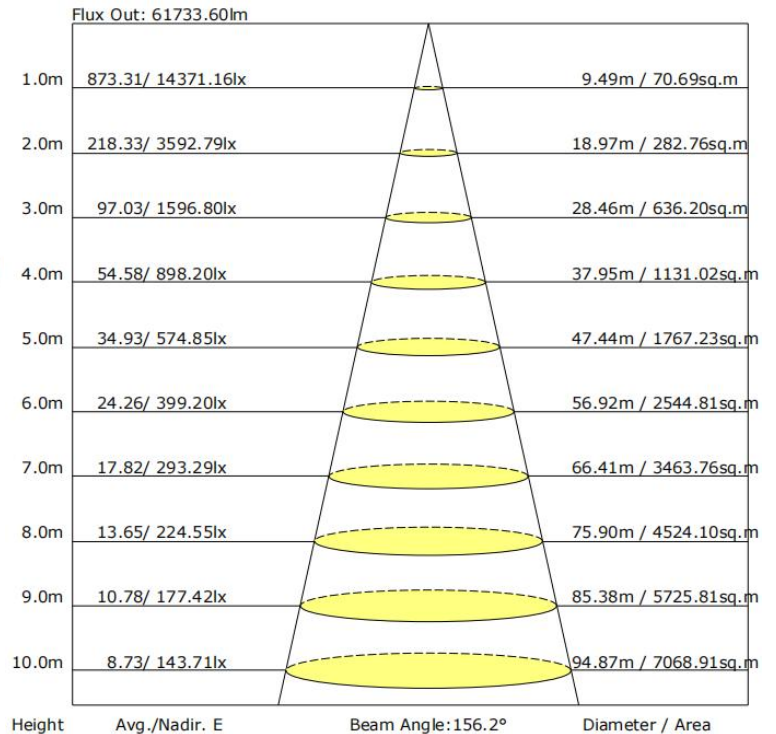
IES Classification: Type III
 Total Rated Lamp Lumens: 65177.3 lm
 Efficiency: 100%
 Upward Ratio: 0%
 C0r0 Intensity: 14371.16 cd
 Pos of Max. Intensity: H0 V70
 Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 156.2, 105.4, 132.8, 138.5

Longitudinal Classification: Medium
 Measurement Flux: 65177.3 lm
 Downward Ratio: 100%
 Luminaire Efficacy Rating (LER): 135.88
 Max. Intensity: 22336.92 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.