

DM



A&D



AM



YM



FM

P/N: AST-S-G12C-300WBT3DA1-BR10SP30/40/50W

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 IE

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.

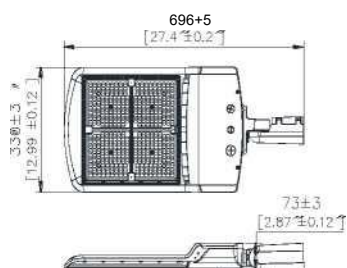
"d" can be "M", "DM", "DP" or blank for DC Motion

Sensor, DC PIR Sensor provided or not "e" represent bracket, can be "AM", "DM", "YM", "A&D" and "FM" or not.

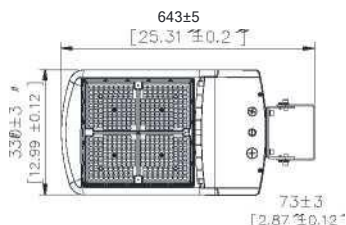
"f" can be any two digits to represent CCT.

"W" for wattage adjustable.

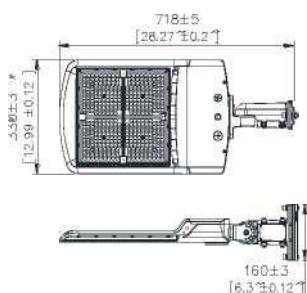
DIMENSIONS



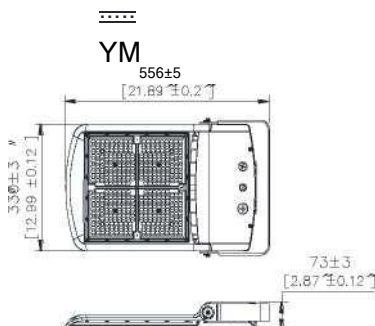
AM



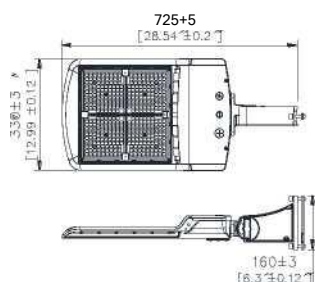
YM



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FM



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ADVANTAGE

- > UL cUL DLC 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.
- > BA & Dinton court, the football field.
- > The school playground, stadium.
- > Community leisure entertainment plaza, road luminaire etc.

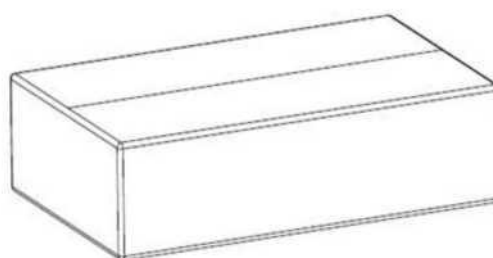
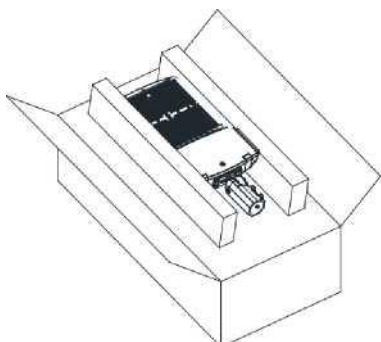
SPECIFICATIONS

OPTICAL	Input Power (Tolerance : $\pm 10\%$)	300W		
	Color Temperature (Color Tunable)	3000K	4000K	5000K
	Lumen (Tolerance : $\pm 10\%$)	458230LM	49500LM	49148LM
	Efficacy (Tolerance : $\pm 3\%$)	151LM/W	165LM/W	161LM/W
	CRI	>80		
	Color Consistency	<7 Steps (or <7 SDCM)		
	BUG	B5-U0-G5		
	Distribution Pattern	Type III		
ELECTRICAL	Beam Angle (50%) (Tolerance : $\pm 15\%$)	150°90 Degree		
	Input Voltage and Frequency	120-277VAC, 50/60Hz		
	PF (Tolerance : -3%)	>0.9		
	THD (Tolerance : +5%)	<20%		
	Flicker Percent	<5%		
	Driver Brand	SOSEN		
	Driver Model	SS-320NH-E260BH		
	Driver Surge protection	L/N- PE: 10kV, L-N: 6kV		
	Dimming	0-10V dimming standard		
	Sensor Type	Occupancy Sensor, Exterior Photocell, Integral Sensor Receptacle		
MATERIALS	Optional Accessory	Photocontrol, Surge-protective Device, Motion Sensor		
	LED Brand	Lumileds		
	LED Type	SMD2835		
	LED QTY	364*2 PCS		
	Housing	Die-cast aluminum		
	Housing Color	Bronze		
OTHERS	Waterproof Rating	WET (IP65)		
	Operating Temperature	Without Motion Sensor: -40°C TO 50°C With Motion Sensor: -35°C TO		
	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	5.0Kg[11.0 LBS]	765*380*148mm[30.12*14.96*5.83 inch]	1	6.4Kg[14.08 LBS]
DM	5.2Kg[11.44 LBS]	765*380*148mm[30.12*14.96*5.83 inch]	1	6.6Kg[14.52 LBS]
YM	6.0Kg[13.2 LBS]	700*380*148mm[27.56*14.96*5.83 inch]	1	7.3Kg[16.06 LBS]
A&D	5.3Kg[11.66 LBS]	765*380*148mm[30.12*14.96*5.83 inch]	1	6.7Kg[14.74 LBS]
FM	5.9Kg[12.98 LBS]	700*380*148mm[27.56*14.96*5.83inch]	1	7.2Kg[15.84 LBS]

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



LIGHT DISTRIBUTION TESTING PARAMETERS

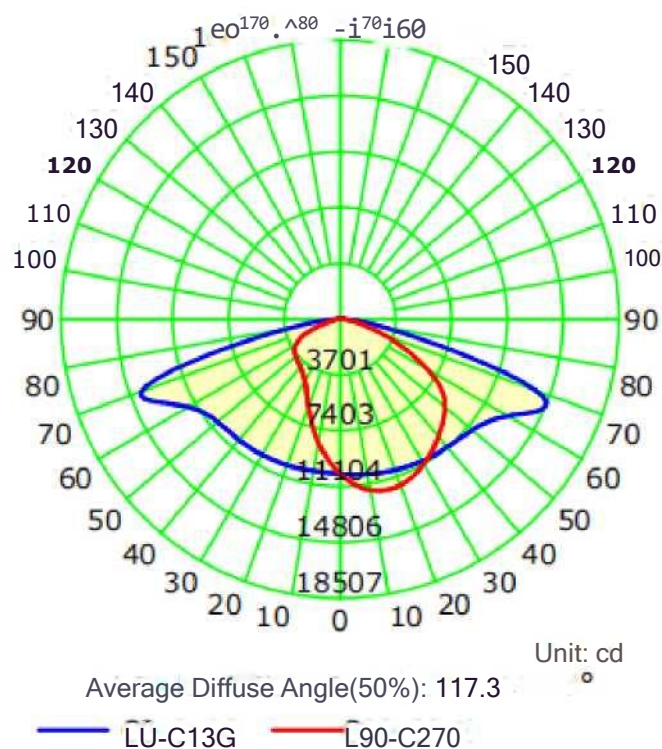
Luminaire Property

Luminaire Manufacturer:	
Luminaire Category:	Luminaire Description:
Lamp Catalog:	Lamp Description:
Number of Lamps:	Lumens per Lamp:
Luminous Length (mm):	Luminous Width (mm):
Luminous Height (mm):	Voltage: 120.0 V
Current: 2.568 A	Power: 306.56 W
Power Factor: 0.995	

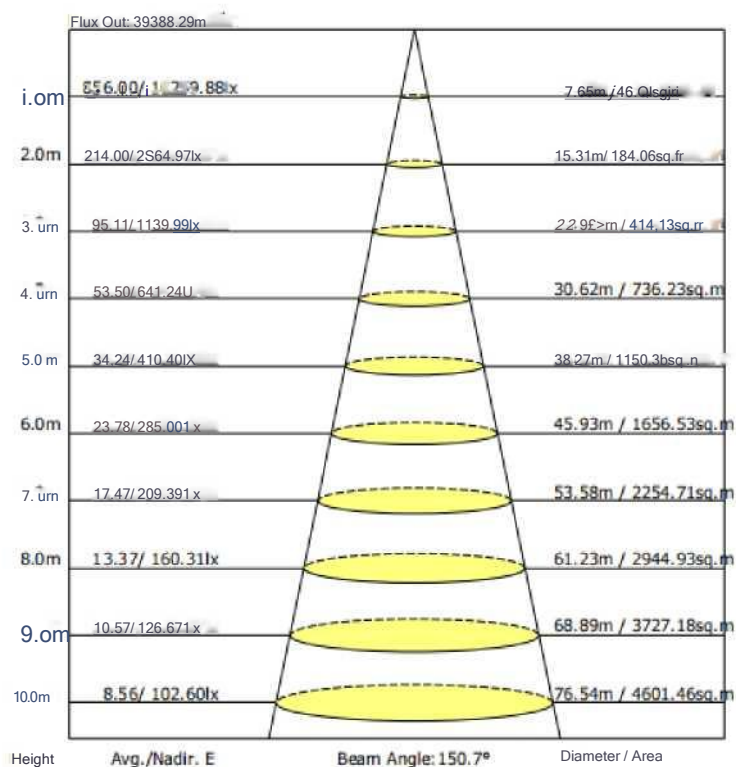
Photometric Results

IES Classification: Type III	Longitudinal Classification: Medium
Total Rated Lamp Lumens: 42087.0 lm	Measurement Flux: 42087 lm
Efficiency: 100%	Downward Ratio: 100%
Upward Ratio: 0%	Luminaire Efficacy Rating (LER): 137.34
COR Intensity: 10259.88 cd	Max. Intensity: 14806.34 cd
Pos of Max. Intensity: HO V67	
Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 150.7, 83.9, 113.6, 129.0	

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.