



AM



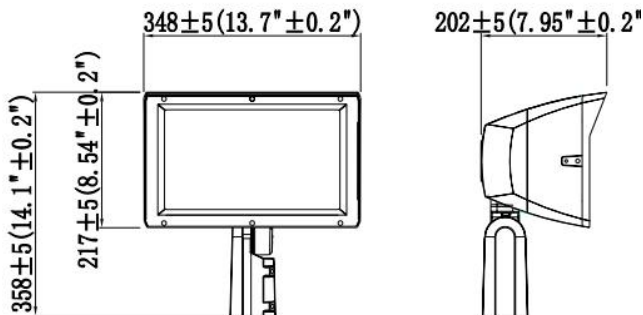
YM



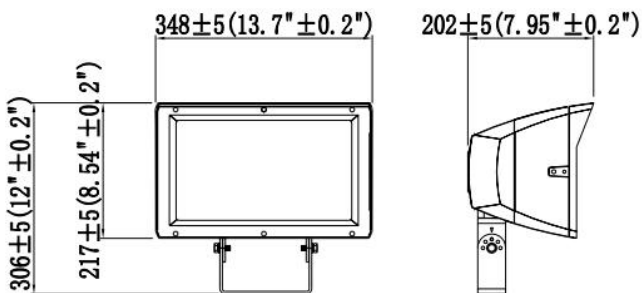
FM

DIMENSIONS

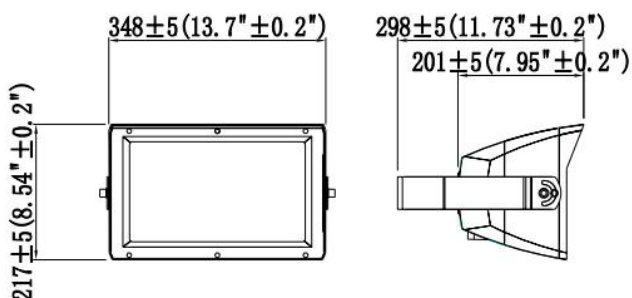
AM



YM



FM



AST-FL21-300WBH8DA1-abcdWfR30/40/50

Note:

AST= Company name;

FL21 = Product series, LED Flood Light;

300W = Rating Power;

B = LED manufacturer, LUMILEDS 2835;

H8 = Diffuser light angle type, 7H6V

D = Color Tunable

A1=InputVoltage,120-277VAC;

“a” can be any two letters for lamp colors;

“b” can be “3RP”, “3NP”, “5RP”, “5NP”, “7RP”, “7NP” for AC photocontrol provided, “P” for DC photocontrol 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 “AM”, “YM”, “FM” for Mounting Means;

“W” can be to indicate adjustable power,

“f” can be “DM”, “DP” or blank for Microwave Motion Sensor, PIR Motion Sensor provided or not;

“R” can be for Reflector provided;

30 / 40 / 50 = 3000K / 4000K / 5000K.

ADVANTAGE

- UL cUL DLC certificate.
- Input voltage 120-277VAC
- 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,
- Warehouse, factory and workshops;
- Highway toll station;
- Meeting room, exhibition hall;
- Gymnasium and supermarkets, etc. plaza,



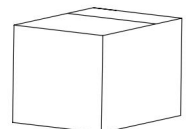
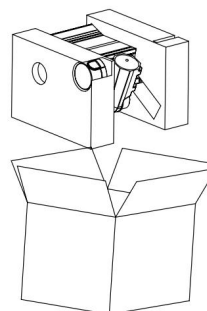
SPECIFICATIONS

OPTICAL	Input Power (Tolerance : ±10%)	300W/240W/200W Adjustable		
	Color Temperature (Color Tunable)	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	<7 Steps (or <7SDCM)		
	BUG	B5-U0-G3		
	Distribution Pattern	7H6V		
	Beam Angle (50%) (Tolerance : ±15%)	108.5*86°		
ELECTRICAL	Input Voltage and Frequency	120-277VAC 50/60Hz		
	PF (Tolerance : -3%)	≥0.9		
	THD (Tolerance : +5%)	≤20%		
	Flicker Percent	<5%		
	Driver Brand	LIFUD		
	Driver Model	LF-FAC320 / LF-FAA320		
	Driver Surge protection	L/N-PE: 6kV, L-N: 6kV		
	Dimming	0-10V dimming standard		
	Sensor Type	Exterior Photocell、Integral Sensor Receptacle		
	Optional Accessory	DC Photocontrol , Photocontrol , shorting cap , Motion Sensor , Surge-protective Device		
MATERIALS	LED Brand	Lumileds		
	LED Type	2835		
	LED QTY	960PCS		
	Housing	Die-cast aluminum		
	Housing Color	Brown, Black, or Customized		
	EPA	0.98ft²		
	Waterproof Rating	WET (IP65)		
OTHERS	Operating Temperature	-40℃ TO 45℃		
	Storage Temperature	-40℃ TO 80℃		
	Operating Humidity	20% - 90% RH		
	Storage Humidity	20% - 90% RH		
	Warranty	5 years warranty		

PACKAGE

Bracket Type	Carton Size	Qty / Carton	Net Weight / Carton	Gross Weight / Carton
AM	390*380*270mm [15.4*15*10.6 inch]	1 PC	6.2Kg [13.64LBS]	7.2Kg [15.84LBS]
YM		1 PC	6.9Kg [15.18LBS]	7.9Kg [17.38LBS]
FM		1 PC	6.4Kg [14.08LBS]	7.6Kg [16.72LBS]

Tolerance of Carton Size:±15mm[±0.59inch], Tolerance of Weight: ±10%.



LIGHT DISTRIBUTION TESTING PARAMETERS

Luminaire Property

Luminaire Manufacturer:
Luminaire Category:
Lamp Catalog:
Number of Lamps:
Luminous Length (mm):
Luminous Height (mm):
Current: 2.461 A
Power Factor: 0.999

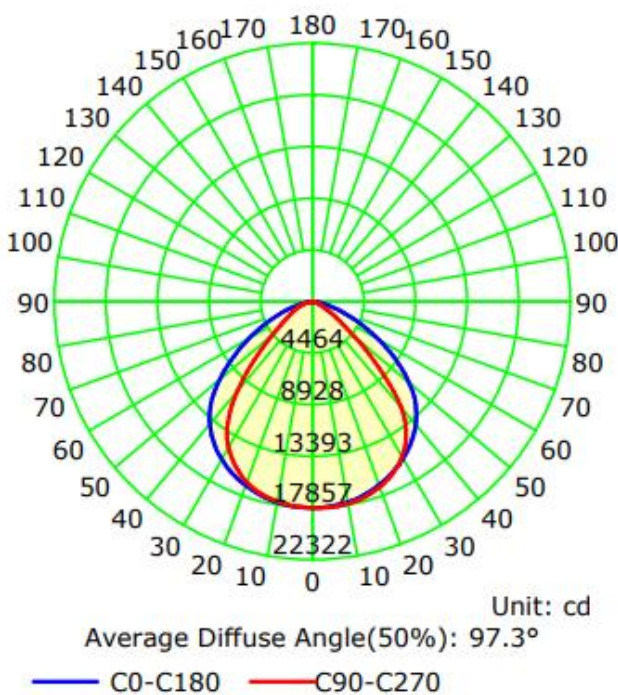
Luminaire Description:
Lamp Description:
Lumens per Lamp:
Luminous Width (mm):
Voltage: 120.0 V
Power: 295.05 W

Photometric Results

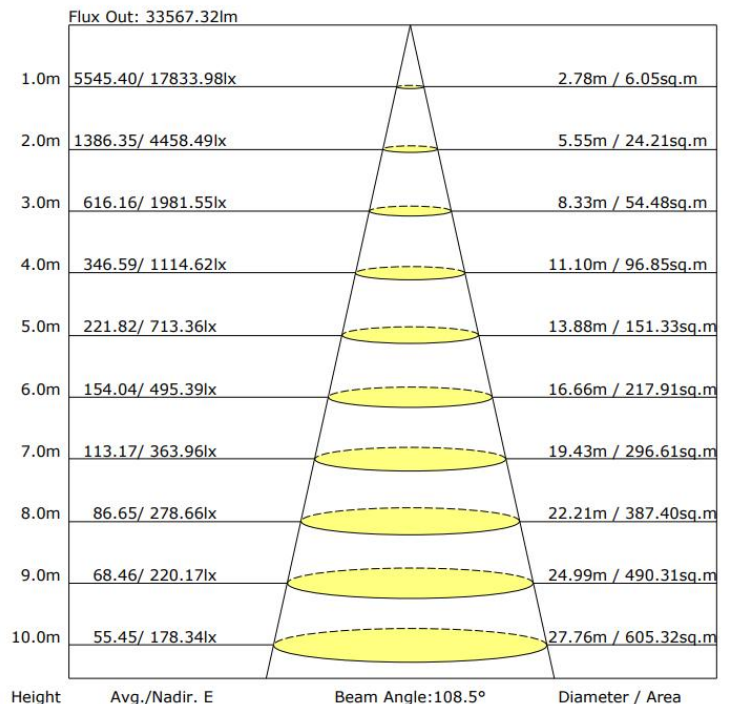
IES Classification: Type I
Total Rated Lamp Lumens: 39167.9 lm
Efficiency: 100%
Upward Ratio: 0%
C0r0 Intensity: 17833.98 cd
Pos of Max. Intensity: H90 V4
Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 108.5, 86.0, 97.7, 97.3

Longitudinal Classification: Very Short
Measurement Flux: 39167.9 lm
Downward Ratio: 100%
Luminaire Efficacy Rating (LER): 132.80
Max. Intensity: 17857.71 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.

