



AM



YM



AM3



FM

P/N: AST-FL19-150WBH8DA1-abcdeg

Note:

AST = Company name

FL19 = Product series, LED Flood Light

150W = Rating Power

B = LED manufacturer, Lumileds 2835

H8 = Diffuser light angle type, 7H7V

D = Double color temperature

A1 = Version number

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

“b” can be “P” or blank for photocontrol type provided or not;

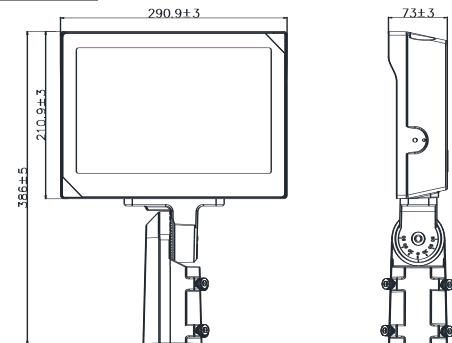
“c” can be “10SP”, “20SP” or blank for Surge protector type provided or not;

“d” can be “M” or blank for sensor type provided or not;

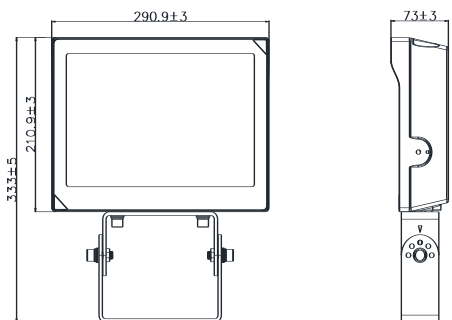
“e” can be “AM”, “AM2”, “AM3”, “DM”, “YM”, “A&DM”, “AF1”, “AF2” or “FM”, for bracket type;

“g” can be any numbers for CCT.30/40/50=3000K/4000K/5000K

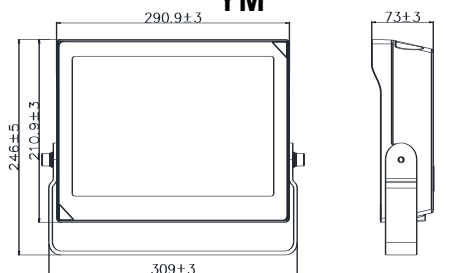
DIMENSIONS



AM



YM



FM

ADVANTAGE

- UL cUL certificate.
- IP65 driver, 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

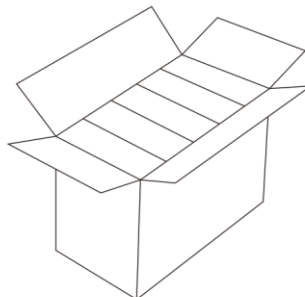
SPECIFICATIONS

OPTICAL	Input Power (Tolerance : $\pm 10\%$)	150W		
	Color Temperature (Color Tunable)	3000K	4000K	5000K
	Lumen (Tolerance : $\pm 10\%$)	19500 LM	21750 LM	21000LM
	Efficacy (Tolerance : $\pm 3\%$)	130 LM/W	145 LM/W	140 LM/W
	CRI	>80		
	Color Consistency	<7 Steps (or <7 SDCM)		
	BUG	B3-U0-G1		
	Distribution Pattern	Clear Tempered Glass		
	Beam Angle (10%) (Tolerance : $\pm 15\%$)	115*100		
ELECTRICAL	Input Voltage and Frequency	120-277VAC,50/60Hz		
	PF (Tolerance : -3%)	≥ 0.9		
	THD (Tolerance : +5%)	$\leq 20\%$		
	Flicker Percent	<55%		
	Driver Brand	BECKY		
	Driver Model	BQE155C-130-PVF-PS		
	Driver Surge protection	L/N-PE: 6.0kV, L-N: 4.0kV		
	Dimming	0-10V dimming standard		
	Optional Accessory	Surge protector Photocontrol,DC Microwave Motion Sensor		
MATERIALS	LED Brand	Lumileds		
	LED Type	SMD2835		
	LED QTY	240*2 PCS		
	Housing	Die-cast aluminum		
	Housing Color	Brown, Black, or Customized		
	EPA	0.6 ft ²		
	Waterproof Rating	WET (IP65)		
OTHERS	Operating Temperature	-30°C TO 50°C		
	Storage Temperature	-40°C TO 80°C		
	Operating Humidity	20% - 90% RH		
	Storage Humidity	10% - 95% RH		
	Warranty	5 years warranty		

PACKAGE

Bracket Type	Carton Size	Qty / Carton	Net Weight / pcs	Gross Weight / Carton
AM	495*447*363mm	5 PCS	4.8KG	26KG
YM	495*447*363mm	5 PCS	4.3KG	23.5KG
FM	470*360*310mm	5 PCS	4.0KG	21.5KG

Tolerance of Carton Size: ± 15 MM, 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: 1.260 A
 Power Factor: 0.994

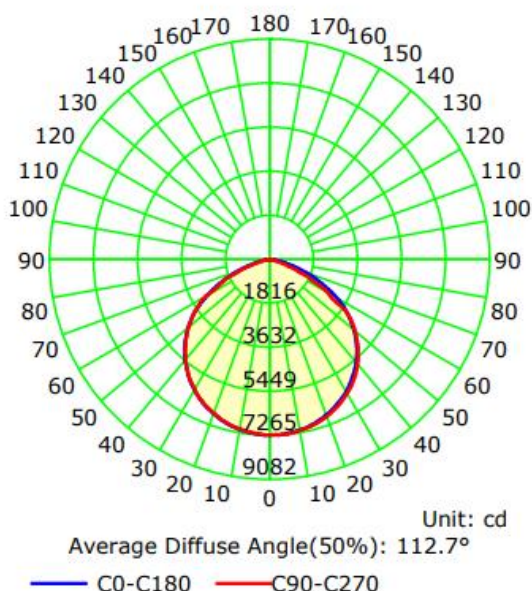
Luminaire Description:
 Lamp Description:
 Lumens per Lamp:
 Luminous Width (mm):
 Voltage: 120.0 V
 Power: 150.26 W

Photometric Results

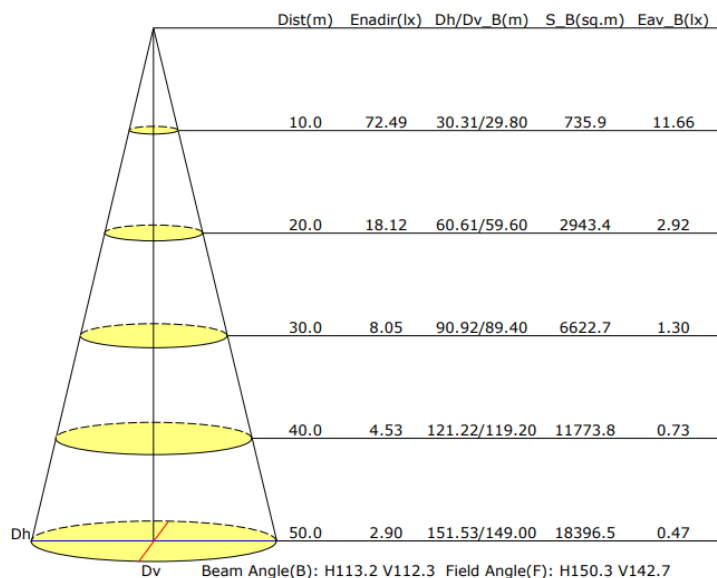
IES Classification: Type II
 Total Rated Lamp Lumens: 19591.7 lm
 Efficiency: 100%
 Upward Ratio: 0%
 C0r0 Intensity: 7249.07 cd
 Pos of Max. Intensity: H157.5 V2
 Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 113.2, 112.3, 114.5, 114.4

Longitudinal Classification: Very Short
 Measurement Flux: 19591.7 lm
 Downward Ratio: 100%
 Luminaire Efficacy Rating (LER): 130.44
 Max. Intensity: 7265.76 cd

Luminous Intensity Distribution Curve



Illuminance at a Distance



NOTICE FOR USER

- Please turn off power before install or change assembly parts.
- The input voltage and luminaire should be matched, after connecting the power line, Please make sure the wiring section is insulated.
- No-professionals, must not install and disassemble the luminaire.

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.