

## ITEM#2199

LED KING LIGHTING DISTRIBUTION

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www.ledkingtx.com

P/N: AST-FLD01-150WXYA3-abcd

Note:

AST= Company name

FLD01 = Product series, LED Flood Light

150W = Rating Power

X= LED manufacturer, Bridgelux2835

Y=Represents mask, CG represents transparent glass, Mg represents frosted

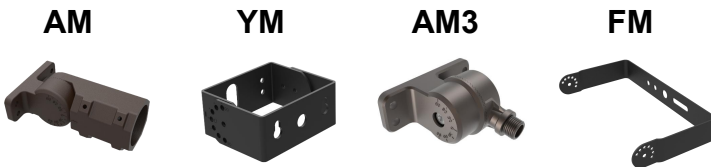
A3 = Version number

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

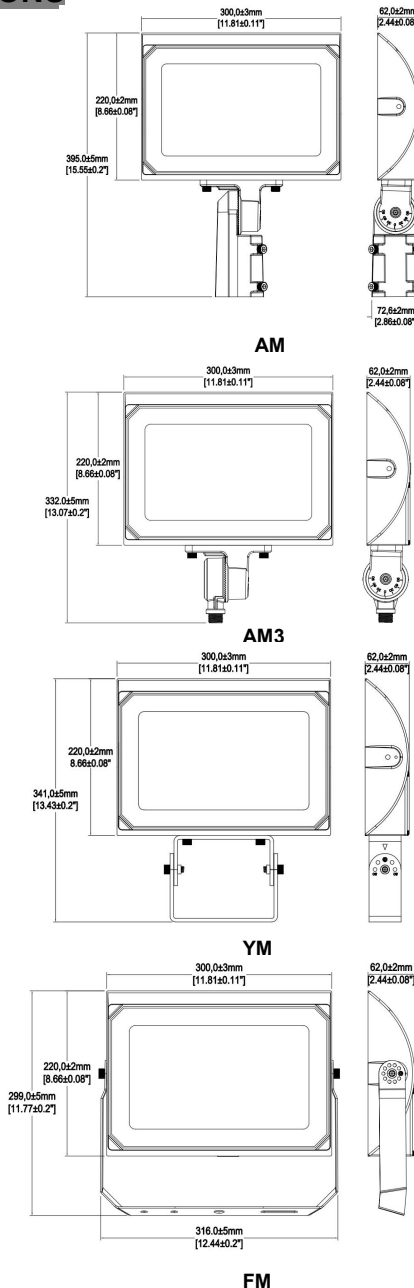
“b” can be “AM”, “AM3”, “YM” or “FM” for Mounting Means;

“c” can be any digits for CCT;

“d” can be “P” or blank for photocontrol provided or not.



### DIMENSIONS



### ADVANTAGE

- UL cUL certificate.
- Lumileds Chip, high CRI.
- Input voltage 120-277VAC.
- No UV or IR in the beam.
- Easy to install and operate.
- Energy saving, long lifespan.
- Instant start, NO flickering, NO humming.
- Green and eco-friendly without mercury.

### APPLICATION

- Factory floor, libraries, square, park;
- Supermarkets, railway stations;
- Advertising lighting, etc.

## SPECIFICATIONS

<b>OPTICAL</b>	Input Power (Tolerance : ±10%)	150W		
	Color Temperature(ColorNon-tu	3000K	4000K	5000K
	Lumen(Tolerance: ±10%)	21300LM	22050LM	22500LM
	Efficacy(Tolerance : ±3%)	142LM/W	147LM/W	150LM/W
	CRI	>80		
	Color Consistency	<7 Steps (or <7 SDCM)		
	Distribution Pattern	Clear Tempered Glass		
	Field Angle (10%) (Tolerance : ±15%)	120 Degree		
<b>ELECTRICAL</b>	Input Voltage and	120-277VAC, 50/60Hz		
	PF (Tolerance : -3%)	≥0.9		
	THD (Tolerance : +5%)	≤20%		
	Flicker Percent	<30%		
	Driver Brand	HBE		
	Driver Model	HB-PM-150W-450V		
	Driver Surge protection	L/N-PE: 6kV, L-N:6kV		
	Dimming	0-10V dimming standard		
	Sensor Type	N/A		
	Optional Accessory	Surge-protective Device		
<b>MATERIALS</b>	LED Brand	Bridgelux		
	LED Type	SMD2835		
	LED QTY	220 PCS		
	Housing	Die-cast aluminum		
	Housing Color	Brown, Black, or Customized		
	EPA	1.2 ft <sup>2</sup>		
	Waterproof Rating	WET (IP65)		
<b>OTHERS</b>	Operating Temperature	-30°C TO 45°C;		
	Storage Temperature	-40°C TO 80°C		
	Operating Humidity	20% - 90% RH		
	Storage Humidity	20% - 95% RH		
	Warranty	5 years warranty with 24/7 operating hours Luminaire lifetime at 25°C		

## PACKAGE

Bracket Type	Carton Size	Qty / Carton	Net Weight / Carton	Gross Weight / Carton
AM3、YM、FM	Outer box:395*325*379 mm [15.55*12.79*14.92 inch]	4PCS	13.4 KG [29.48 LBS]	14.35 KG [31.57 LBS]
	Inner box:360*77*383 mm [14.17*3.03*15.08 inch]	1PCS	2.77 KG [6.09 LBS]	3.35 KG [7.37 LBS]
AM	Outer box:470*385*379 mm [18.50*15.16*14.92 inch]	4PCS	14.96 KG [32.91 LBS]	16.13 KG [35.49 LBS]
	Inner box::360*92*458 mm [14.17*3.62*18.03 inch]	1PCS	3.1 KG [6.82 LBS]	3.74 KG [8.23 LBS]

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

## LIGHT DISTRIBUTION TESTING PARAMETERS

### Luminaire Property

Luminaire Manufacturer:

Voltage: 121.0 V

Power: 147.10 W

Current: 1.225 A

Power Factor: 0.993

### Photometric Results

CIE Class: Direct

Measurement Flux: 22659.4 lm

Downward Ratio: 99%

Horizontal Diffuse Angle(10%,50%): H153.4,H115

Vertical Diffuse Angle(10%,50%): V151.5,V114.6

Luminaire Efficacy Rating (LER): 154.09

Max. Intensity: 7948.07 cd

S/MH(C0/C180): 1.29

Total Rated Lamp Lumens: 22659.4 lm

Efficiency: 100%

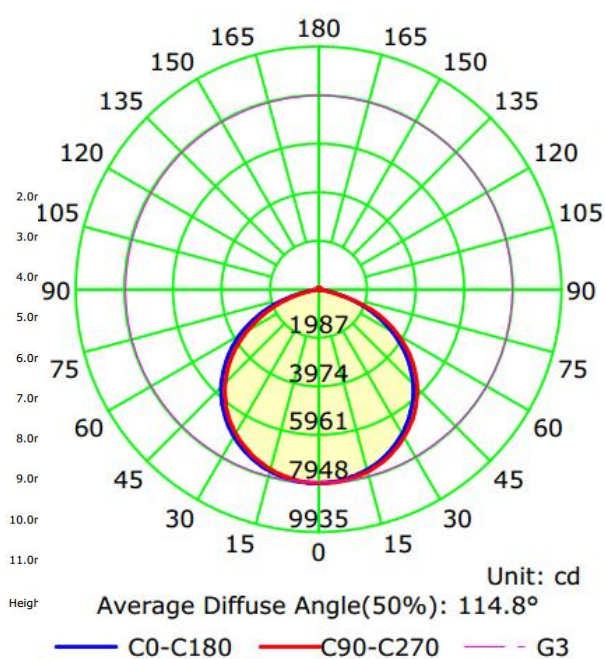
Upward Ratio: 1%

Central Intensity: 7932.35 cd

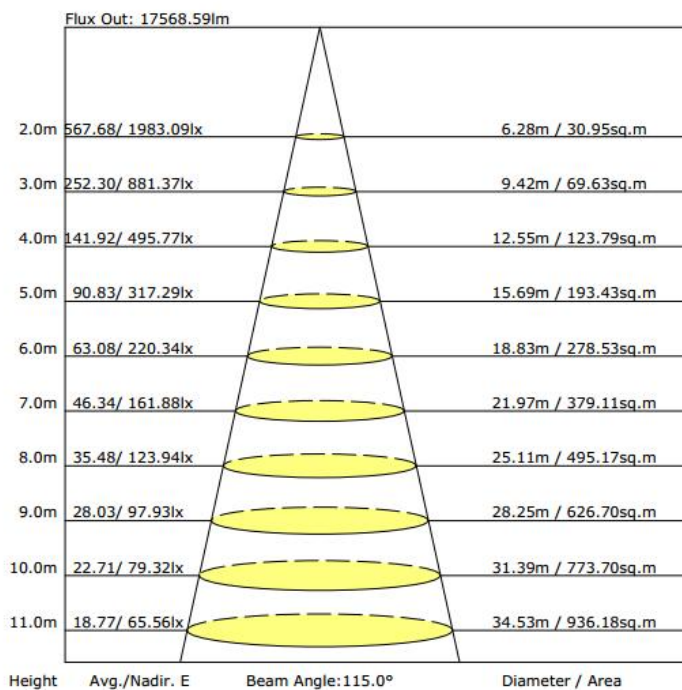
Pos of Max. Intensity: H135 V3

S/MH(C90/C270): 1.29

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.