



## P/N:AST-SB03D-300WJT3A1-abcdef

Where "a" can be any two letters represent lamp colors; P/N: "BH=Black" "AST-" "SB03D" "WH=White"

300WJT3A1, BR=Brown-or "abcdef" Customized"

"b" can be "3RP", "3NP", "5RP", "5NP", "7RP" or "7NP" for Where "a" can be any two letters represent lamp Photocontrol type provided or blank for no Photocontrol colors; "BH = Black, WH=White, BR=Brown or provided; Customized"

"c" can be "10SP" or "20SP" for Surge-Protective Device "b" can be "3RP", "3NP", "5RP", "5NP", "7RP" or type provided or blank for no Surge-Protective Device "7NP" for Photocontrol type provided or blank for provided; no Photocontrol provided;

"d" can be "Z", "ZP", "ZM" or blank; "Z" = DC Sensor Receptacle provided, "ZP" = DC Sensor Receptacle and Device type provided or blank for no DC photocontrol provided, "ZM" = DC Sensor Receptacle Surge-Protective Device provided;

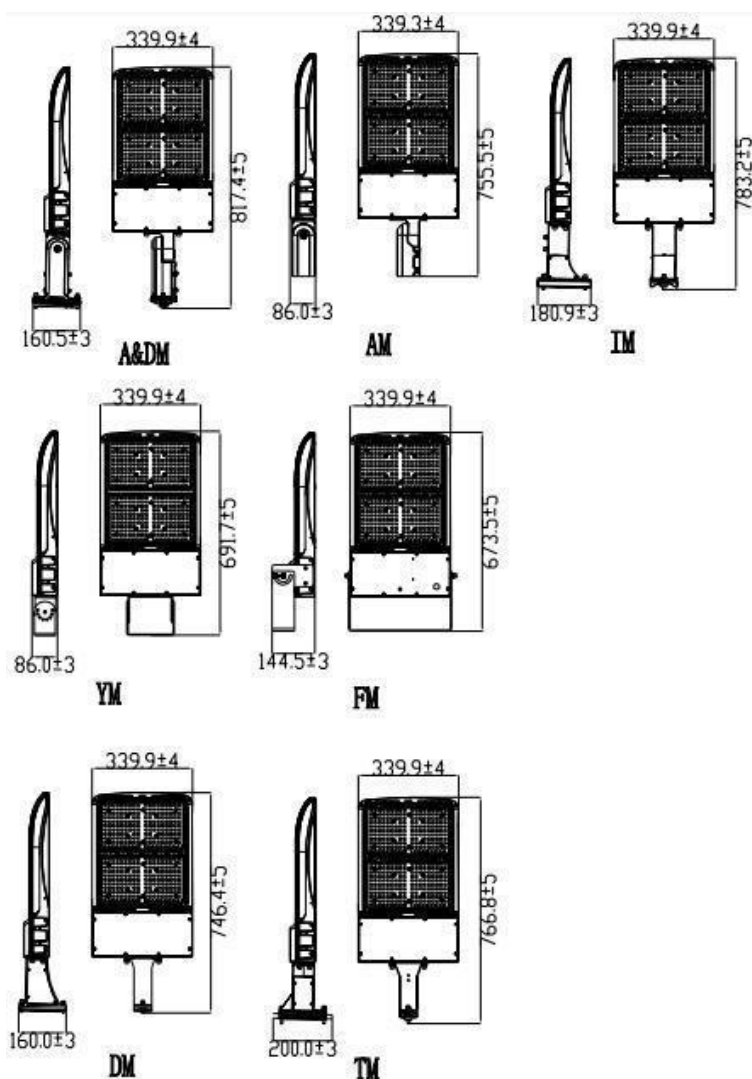
and DC motion sensor provided, blank = no DC Sensor "e" can be "AM", "DM", "YM", "A&D", "TM", "IM" or Receptacle provided;

"FM" to represent mounting bracket types;

"e" can be "AM", "DM", "YM", "A&D", "TM", "IM" or "FM" to "f" can be any two digits to represent CCT.

represent mounting bracket types; "f" can be any two digits to represent CCT.

## DIMENSIONS



## ADVANTAGE

- UL cUL DLC certificate.
- Bridgelux Chip, high CRI.
- IP65 driver, 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

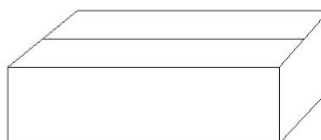
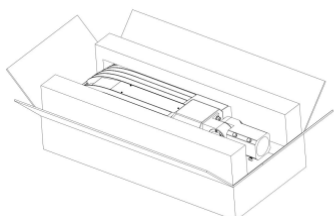
- Outdoor basketball court, tennis court.
- Badminton court, the football field.
- The school playground, stadium.
- Community leisure entertainment plaza,

**SPECIFICATIONS**

<b>OPTICAL</b>	Input Power (Tolerance : $\pm 10\%$ )	300W			
	Color Temperature	4000K	4500K	5000K	5700K
	Lumen (Tolerance : $-10\%$ )	40500 LM	40500 LM	40500 LM	40500 LM
	Efficacy (Tolerance : $-3\%$ )	135 LM/W	135 LM/W	135 LM/W	135 LM/W
	CRI	$>70$			
	Color Consistency	$<6$ Steps (or $<6$ SDCM)			
	BUG	B4-U0-G5			
	Distribution Pattern	Type III			
	Beam Angle (50%) (Tolerance : $\pm 15\%$ )	160*115 Degree			
<b>ELECTRICAL</b>	Input Voltage and Frequency	120-277VAC, 50/60Hz;			
	PF (Tolerance : $-3\%$ )	$\geq 0.9$			
	THD (Tolerance : $+5\%$ )	$\leq 20\%$			
	Flicker Percent	$<50\%$			
	Driver Brand	Daermay			
	Driver Model	MP-150TG-130A*2			
	Driver Surge protection	L/N-PE: 6kV, L-N: 6kV			
	Dimming	0-10V dimming standard			
	Optional Accessory	Photocontrol, Surge-protective Device,Zhaga, Zhaga Motion Sensor,Zhaga photocontrol			
<b>MATERIALS</b>	LED Brand	Bridgelux			
	LED Type	SMD3030			
	LED QTY	340PCS			
	Housing	Die-cast aluminum			
	Housing Color	Brown, Black, or Customized			
	EPA	2.3ft <sup>2</sup>			
	Waterproof Rating	WET (IP65)			
<b>OTHERS</b>	Operating Temperature	Without Motion Sensor: $-30^{\circ}\text{C}$ TO $50^{\circ}\text{C}$ ; With Motion Sensor: $-20^{\circ}\text{C}$ TO $50^{\circ}\text{C}$			
	Storage Temperature	$-40^{\circ}\text{C}$ TO $85^{\circ}\text{C}$			
	Operating Humidity	20% - 90% RH			
	Storage Humidity	20% - 95% RH			
	Warranty	5 years warranty with 24/7 operating hours Luminaire lifetime at $25^{\circ}\text{C}$ .			

**PACKAGE**

Bracket Type	Carton Size	Qty / Carton	Net Weight / Carton	Gross Weight / Carton
AM	820*390*165MM	1 PCS	9.1KG	10.8KG
DM	820*390*165MM	1 PCS	8KG	9.9KG
YM	820*390*165MM	1 PCS	9.1KG	10.8KG
FM	605*390*175MM	1 PCS	8.5KG	10.4KG
A&D	820*390*165MM	1 PCS	9.1KG	10.8KG
TM	820*390*165MM	1 PCS	9.1KG	10.8KG
IM	820*390*165MM	1 PCS	9.1KG	10.8KG



**LIGHT DISTRIBUTION TESTING PARAMETERS****Luminaire Property**

Luminaire Manufacturer:

Luminaire Category:

Lamp Catalog:

Number of Lamps:

Luminous Length (mm):

Luminous Height (mm):

Current: 2.516 A

Power Factor: 0.993

Luminaire Description:

Lamp Description:

Lumens per Lamp:

Luminous Width (mm):

Voltage: 120.0 V

Power: 300.98 W

**Photometric Results**

IES Classification: Type III

Total Rated Lamp Lumens: 40425.2 lm

Efficiency: 100%

Upward Ratio: 0%

C0r0 Intensity: 9933.77 cd

Pos of Max. Intensity: H165 V72

Longitudinal Classification: Medium

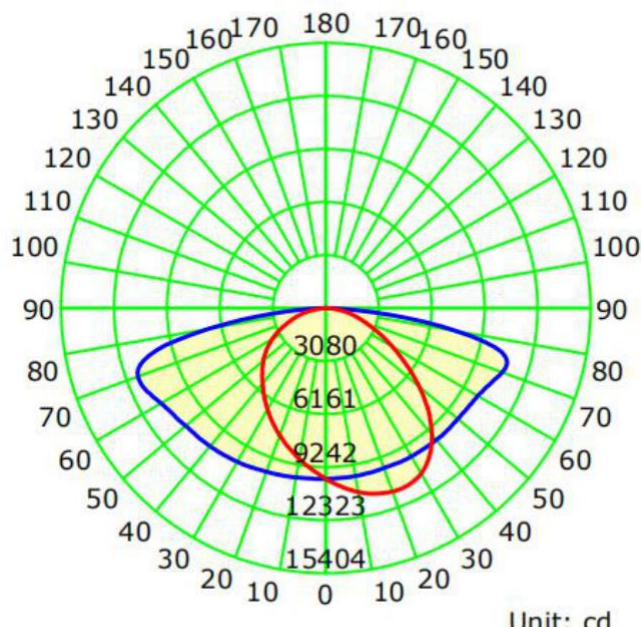
Measurement Flux: 40425.2 lm

Downward Ratio: 100%

Luminaire Efficacy Rating (LER): 134.36

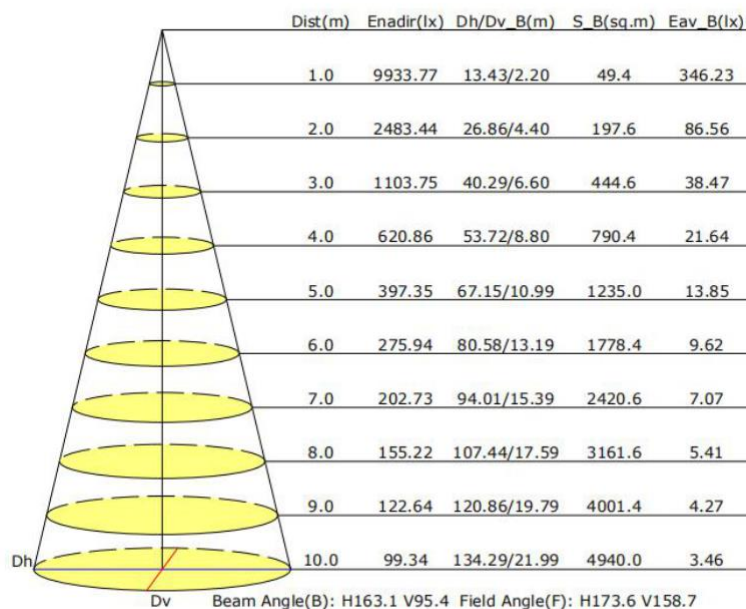
Max. Intensity: 12323.63 cd

Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 129.2°

— C0-C180 — C90-C270



## 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.