



SMART ENERGY SOLUTIONS  
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P/N: AST-S-G14B-150WBT3A2-abcdeg

Note:

AST= Company name;

S-G14B = Product series, LED Flood Light;

150W = Rating Power;

"B" =Lumileds LED;

"T3" =TYPE III;

A2= 120-277VAC;

"a" can be any two letters to represent lamp colors , BR=Brown, BH=Black, or Customized;

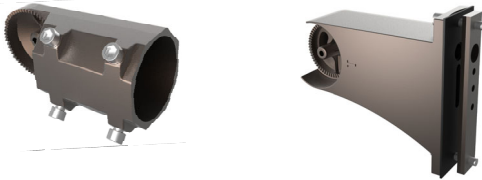
"b" can be "3RP", "3NP", "5RP", "5NP", "7RP" or "7NP" for Photocontrol type provided or blank for no Photocontrol provided;

"c" can be "10SP" or "20SP" for Surge-protective Device type provided or blank for no Surge-Protective Device provided;

"d" can be "DM", "DP", "Z", "ZM", "ZP" or blank for DC sensor type provided or not;

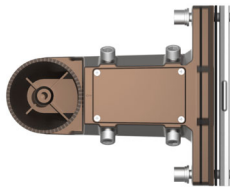
"e" can be "AM", "DM", "A&D" or "FM" to represent mounting bracket types;

"g" can be any two digits to represent CCT,can be 30=3000K, 35=3500K,40=4000K, 45=4500K, 50=5000K, 57=5700K;



AM

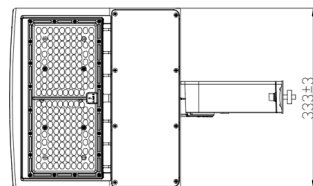
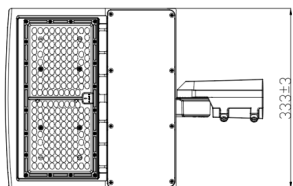
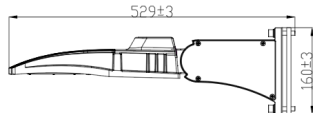
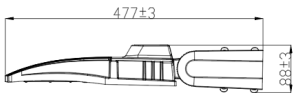
DM



AM

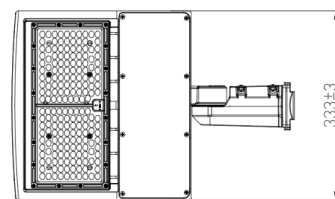
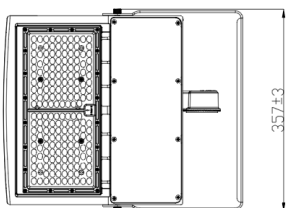
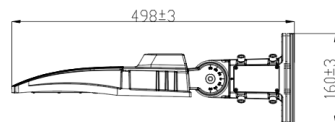
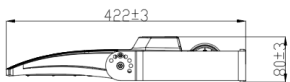
DM

## DIMENSIONS



AM

DM



FM

A&D

## ADVANTAGE

- UL cUL DLC-V5.1(Premium) certificate;
- Lumileds Chip, high CRI;
- Input voltage 120-277VAC;
- Output constant current lever can be: adjusted through output cable with 1-10V;
- 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

- Factory floor, libraries, square, park;
- Supermarkets, railway stations, exhibition hall;
- Convention and exhibition center, warehouse;
- Advertising lighting, etc;

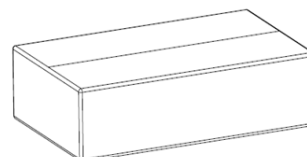
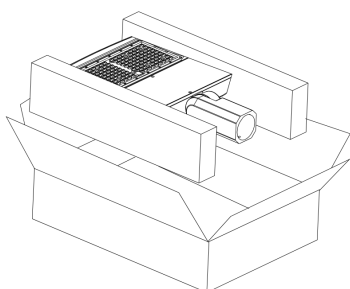
## SPECIFICATIONS

<b>OPTICAL</b>	Input Power (Tolerance : $\pm 10\%$ )	150W
	Color Temperature	3000K    3500K    4000K    4500K    5000K    5700K
	Lumen (Tolerance : $\pm 10\%$ )	19200 LM    19350 LM    19500 LM    19650 LM    19950 LM    21150 LM
	Efficacy (Tolerance : $\pm 3\%$ )	128 LM/W    129 LM/W    130 LM/W    131 LM/W    133 LM/W    141 LM/W
	CRI	>80
	Color Consistency	<6 Steps (or <6 SDCM)
	BUG	B3-U0-G3
	Distribution Pattern	Type III
	Beam Angle (50%) (Tolerance : $\pm 15\%$ )	150*95 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	<70%
	Driver Brand	Weledpower
	Driver Model	WP-CNB-150U-1A5SCPO7-ZA
	Driver Surge protection	L/N-PE: 4kV, L-N: 4kV
	Dimming	1-10V dimming standard
	Sensor Type	Occupancy Sensor, Exterior Photocell, Integral Sensor Receptacle
	Optional Accessory	Photocontrol, Surge-protective Device, DC Motion Microwave sensor, DC Motion PIR sensor, photocell receptacle, shorting cap
<b>MATERIALS</b>	LED Brand	Lumileds
	LED Type	SMD2835
	LED QTY	187 PCS
	Housing	Die-cast aluminum
	Housing Color	Brown, Black, or Customized
	EPA	1.3 ft <sup>2</sup>
	Waterproof Rating	WET (IP65)
<b>OTHERS</b>	Operating Temperature	Motion Sensor: -40°C TO 45°C; With DC Motion Sensor: -30°C TO 45°C
	Storage Temperature	-40°C TO 85°C
	Operating Humidity	10% - 90% RH
	Storage Humidity	5% - 95% RH
	Warranty	5 years

## PACKAGE

Bracket Type	Carton Size	Qty / Carton	Net Weight / Carton	Gross Weight / Carton
AM	565*385*155mm	1 PC	4.3Kg	5.1Kg
DM	565*385*155mm	1 PC	4.5Kg	5.3Kg
FM	565*385*155mm	1 PC	5.3Kg	6.1Kg
A&D	565*385*155mm	1 PC	4.6Kg	5.4Kg

Tolerance of Carton Size:  $\pm 15$  MM, Tolerance of Weight:  $\pm 10\%$ .



## LIGHT DISTRIBUTION TESTING PARAMETERS < Type III >

### Luminaire Property

Luminaire Manufacturer:  
 Luminaire Category:  
 Lamp Catalog:  
 Number of Lamps:  
 Luminous Length (mm):  
 Luminous Height (mm):  
 Current: 1.205 A  
 Power Factor: 0.992

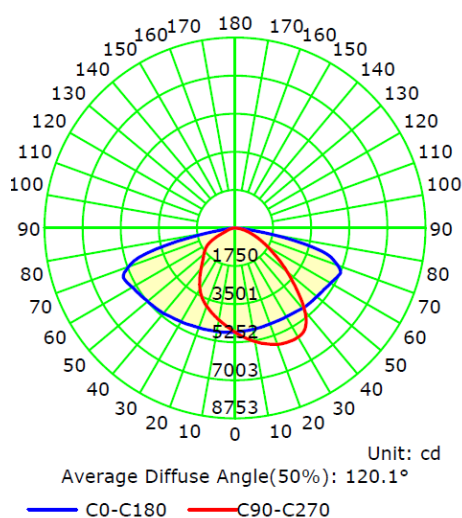
Luminaire Description:  
 Lamp Description:  
 Lumens per Lamp:  
 Luminous Width (mm):  
 Voltage: 120.0 V  
 Power: 143.49 W

### Photometric Results

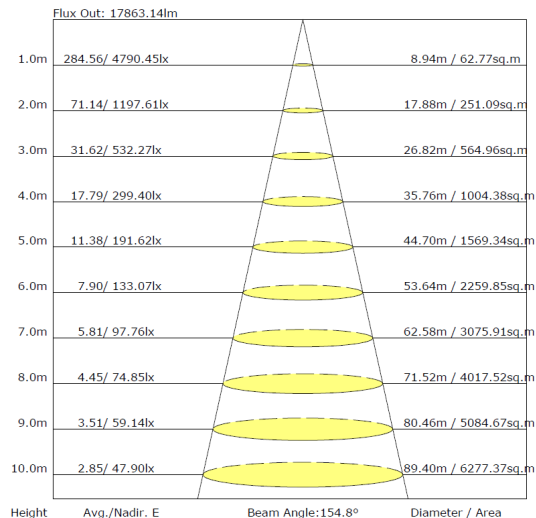
IES Classification: Type III  
 Total Rated Lamp Lumens: 18431.9 lm  
 Efficiency: 100%  
 Upward Ratio: 0%  
 C0r0 Intensity: 4790.45 cd  
 Pos of Max. Intensity: H157.5 V68  
 Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 154.8, 85.4, 111.7, 107.3

Longitudinal Classification: Medium  
 Measurement Flux: 18431.9 lm  
 Downward Ratio: 100%  
 Luminaire Efficacy Rating (LER): 128.50  
 Max. Intensity: 7003.18 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.