

P/N: AST-PHB08A-165WBMP2A3-abf

Note:

AST= Company name;

PHB08A = Product series, LED Linear High Bay Light;

165W= Rating Power;

B= manufacturer of LED, B=Lumileds(2835);

M= Diffuser type, M= Matte;

P2= Driver manufacturer, P2= Class P driver (WeledPower);

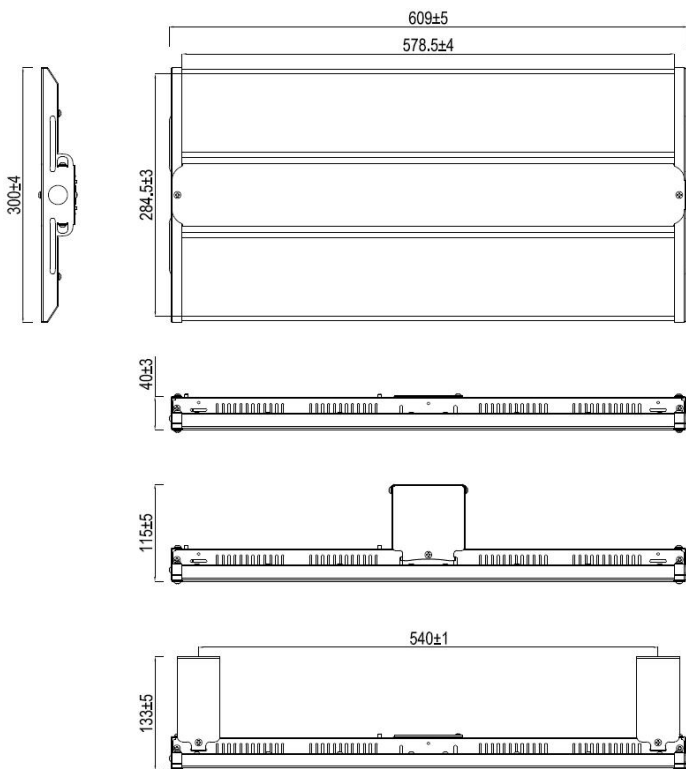
A3= Version number;

a=can be any two letters to represent lamp colors, WH=White, or Customized;

b=can be "AMS" or "APS" or blank for AC Motion Microwave sensor or AC Motion PIR sensor provided or not;

f= can be any digits for CCT, 40-57K(4000K,4500K,5000K,5700K) .

## DIMENSIONS



## ADVANTAGE

- UL cUL DLC certificate.
- Lumileds Chip, high CRI.
- 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

- Warehouse, factory and workshops;
- Exhibition hall and supermarkets, etc.



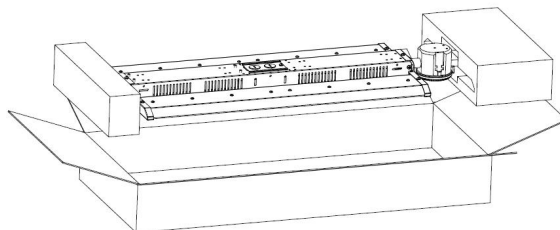
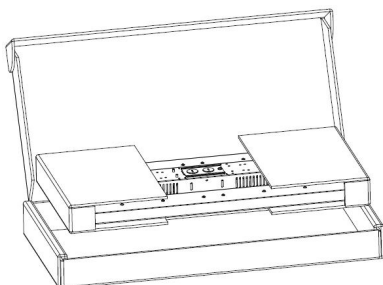
## SPECIFICATIONS

<b>OPTICAL</b>	Input Power (Tolerance : ±10%)	165W			
	Color Temperature	4000K	4500K	5000K	5700K
	Lumen (Tolerance : ± 10%)	22110 LM	22280 LM	22280 LM	22440 LM
	Efficacy (Tolerance : ±3%)	134 LM/W	135 LM/W	135 LM/W	136 LM/W
	CRI	>80			
	Color Consistency	<6 Steps (or <6 SDCM)			
	UGR	<27 (X=4H, Y=8H; S/H=1; Reflectances: 70%/50%/20%)			
	Diffuser Type	Matte Lens			
	Beam Angle (50%) (Tolerance : ±15%)	90 Degree			
<b>ELECTRICAL</b>	Input Voltage and Frequency	120-277VAC, 50/60Hz			
	PF (Tolerance : -3%)	≥0.9			
	THD (Tolerance : +5%)	≤20%			
	Flicker Percent	≤5%			
	Driver Brand	WeledPower			
	Driver Model	WP-CLP-75U-2A0SCPO-Z x 2 pcs			
	Driver Surge protection	L/N-PE: 4kV, L-N: 4kV			
	Dimming	0-10V continuous dimming (min. Dimming range <10%)			
	Sensor Type	Daylight Sensor,Occupancy Sensor,Multifunction Sensor			
	Optional Accessory	AC Motion Microwave sensor, AC Motion PIR sensor			
	<b>MATERIALS</b>	LED Brand	Lumileds		
LED Type		SMD 2835			
LED QTY		330 PCS			
Housing		IRON			
Housing Color		White, or Customized			
Waterproof Rating		DAMP (IP20)			
<b>OTHERS</b>	Operating Temperature	Without Motion Sensor and Emergency Power Supply: -30℃ TO 50℃ With Motion Sensor: -30℃ TO 50℃			
	Storage Temperature	-30℃ TO 80℃			
	Operating Humidity	20% - 90% RH			
	Storage Humidity	10% - 95% RH			
	Warranty	5 years			

## PACKAGE Drop test: ISTA-3B

	Carton Size	Qty / Carton	Net Weight / Carton	Gross Weight / Carton
Outer box (No Sensor)	660*320*65 MM	1 PC	3.0KG/PC	4.0KG
Outer box(AC Sensor)	750*340*100 MM	1 PC	3.3KG/PC	4.8KG

Tolerance of Carton Size: ±15 MM, Tolerance of Weight: ±10%.



## LIGHT DISTRIBUTION TESTING PARAMETERS @Matte Lens 4000K

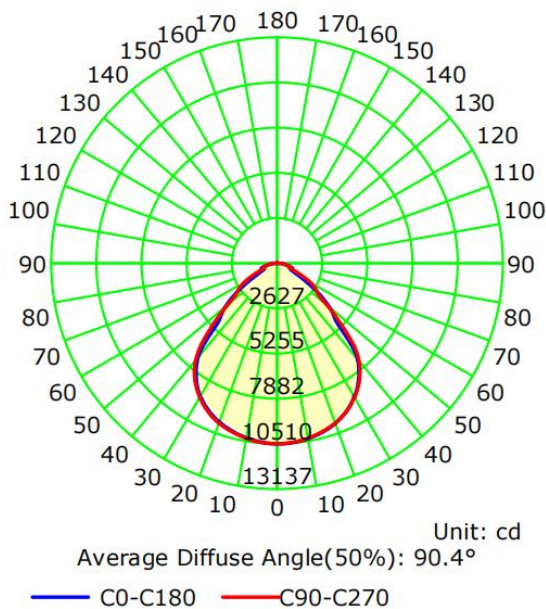
### Luminaire Property

Luminaire Manufacturer:	Luminaire Description:
Luminaire Category:	Lamp Description:
Lamp Catalog:	Lumens per Lamp:
Number of Lamps:	Luminous Width (mm): 285
Luminous Length (mm): 578	Voltage: 120.0 V
Luminous Height (mm):	Power: 167.68 W
Current: 1.400 A	
Power Factor: 0.998	

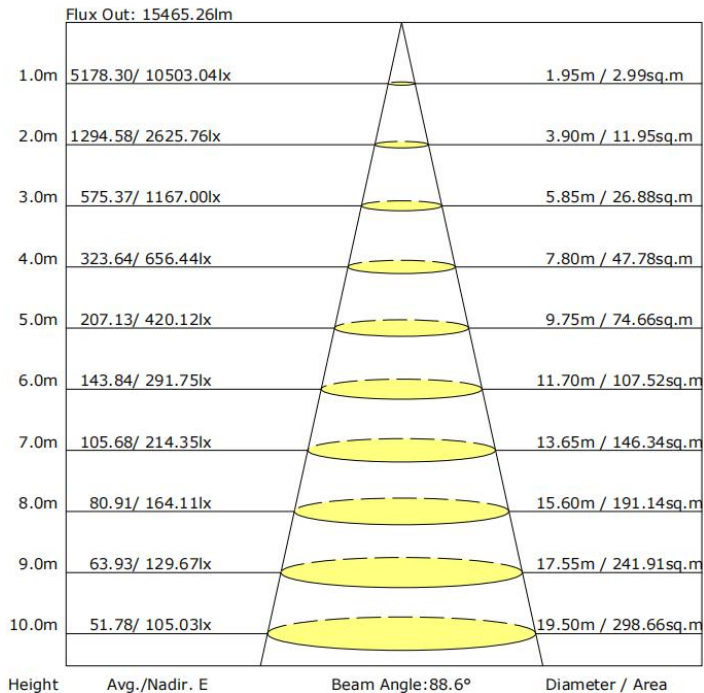
### Photometric Results

CIE Class: Direct	Total Rated Lamp Lumens: 22610.5 lm
Measurement Flux: 22610.5 lm	Efficiency: 100%
Downward Ratio: 100%	Upward Ratio: 0%
Horizontal Diffuse Angle(10%,50%): H125.1,H88.6	
Vertical Diffuse Angle(10%,50%): V133.9,V92.2	
Luminaire Efficacy Rating (LER): 134.89	C0r0 Intensity: 10503.04 cd
Max. Intensity: 10510.01 cd	Pos of Max. Intensity: H337.5 V1
S/MH(C0/C180): 1.26	S/MH(C90/C270): 1.27

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.

