



P/N: AST-PHB08D-255WBMB2A1-abdWf

Note:

AST= Company name;

PHB08D = Product series, LED Linear High Bay Light;

255W= Rating Power;

B= manufacturer of LED, Lumileds(2835);

M= Diffuser type, Matte Lens ;

B2= Driver manufacturer, LIFUD or BECKY;

A1= Version number;

"a" can be any two letters to represent lamp colors,

WH=White, or Customized;

"b" can be "AMS"/ "DMS"or "APS"/ "DPS"or blank for

AC/DC Motion Microwave sensor or AC/DC

Motion PIR sensor provided or not;

"d" can be "EM" or blank for emergency driver provided or

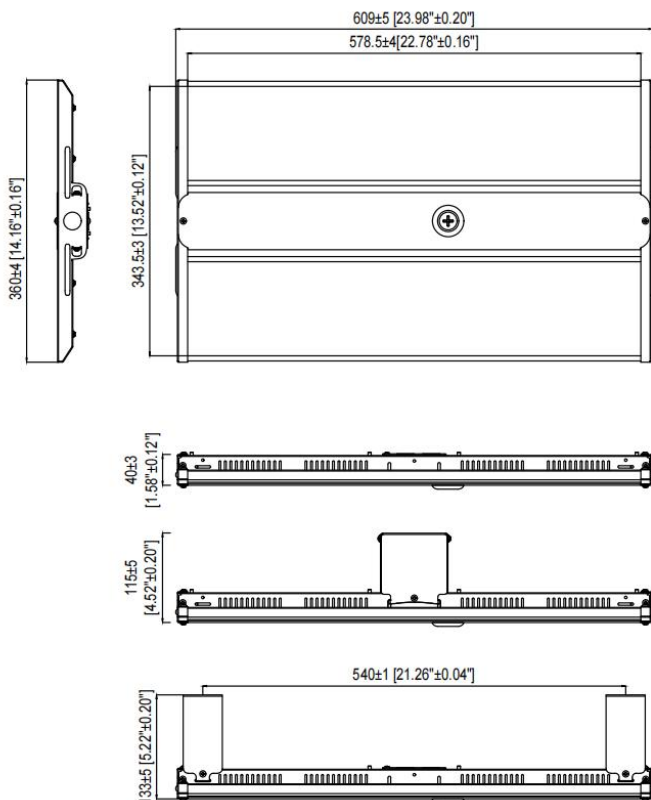
not;

"W" for Wattage adjustable;

"f" can be any digits for CCT, can be

40/50K(40=4000K,50=5000K).

DIMENSIONS



ADVANTAGE

- UL cUL DLC5.1 premium certificate.
- Lumileds Chip, high CRI.
- Input voltage 120-347 VAC.
- Color tunable.
- Wattage adjustable.
- 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

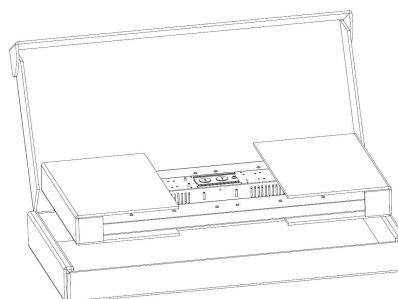
- Warehouse, factory and workshops;
- Exhibition hall and supermarkets, etc.

SPECIFICATIONS

OPTICAL	Input Power (Tolerance : $\pm 10\%$)	255W (Wattage adjustable range: 25%-100%)	
	Color Temperature (Color Tunable)	4000K	5000K
	Lumen (Tolerance : $\pm 10\%$)	36210 LM	36465 LM
	Efficacy (Tolerance : $\pm 3\%$)	142 LM/W	143LM/W
	CRI	>80	
	Color Consistency	<7 Steps (or <7 SDCM)	
	UGR	<28 (X=4H, Y=8H; S/H=1; Reflectances: 70%/50%/20%)	
	Diffuser Type	Matte Lens	
	Beam Angle (50%) (Tolerance : $\pm 15\%$)	90 Degree	
ELECTRICAL	Input Voltage and Frequency	120-347 VAC, 50/60Hz	
	PF (Tolerance : -3%)	≥ 0.9	
	THD (Tolerance : +5%)	$\leq 20\%$	
	Flicker Percent	$\leq 5\%$	
	Driver Brand	LIFUD or BECKY	
	Driver Model	LF-FCA240 or BQE240D-260-PVF-AUX	
	Driver Surge protection	L/N-PE: 6kV, L-N: 6kV or L/N-PE: 6kV, L-N: 4kV	
	Dimming	0-10V dimming	
	Sensor Type	Daylight Sensor, Occupancy Sensor, Multifunction Sensor, Integral Sensor Receptacle	
	Optional Accessory	AC/DC Motion Microwave sensor, AC/DC Motion PIR sensor, Emergency Power Supply	
MATERIALS	LED Brand	Lumileds	
	LED Type	SMD 2835	
	LED QTY	468 PCS*2	
	Housing	IRON + Aluminum	
	Housing Color	White, or Customized	
	Waterproof Rating	DAMP (IP20)	
OTHERS	Operating Temperature	Without Motion Sensor and Emergency Power Supply: -40℃ TO 50℃	
		With Motion Sensor: -30℃ TO 50℃	
		With Emergency Power Supply: 0℃ 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/ DC Sensor)	660*380*65 MM [25.98*14.96*2.56 inch]	1 PC	3.1 KG [6.82 LBS]	4.2 KG [9.24 LBS]

Tolerance of Carton Size: ± 15 MM[0.59 inch], 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: 2.097 A
Power Factor: 0.999

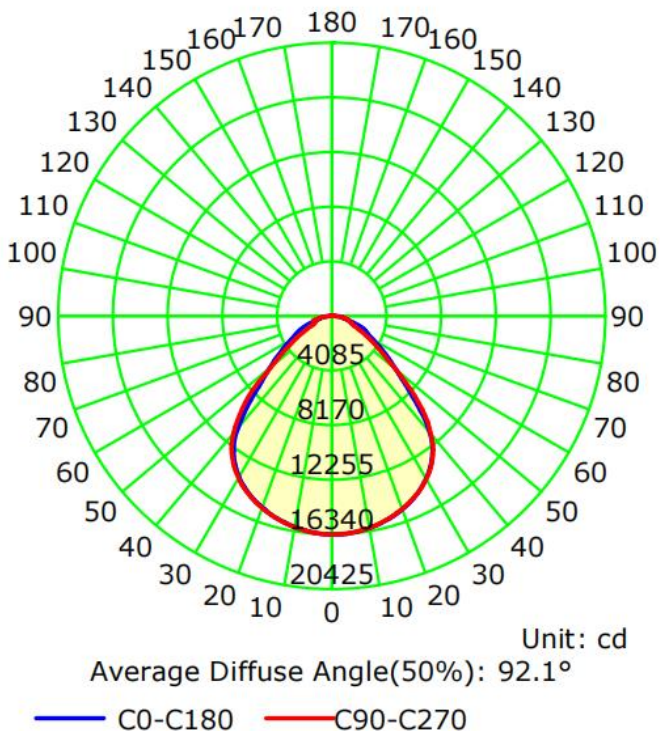
Luminaire Description:
Lamp Description:
Lumens per Lamp:
Luminous Width (mm):
Voltage: 120.0 V
Power: 251.40 W

Photometric Results

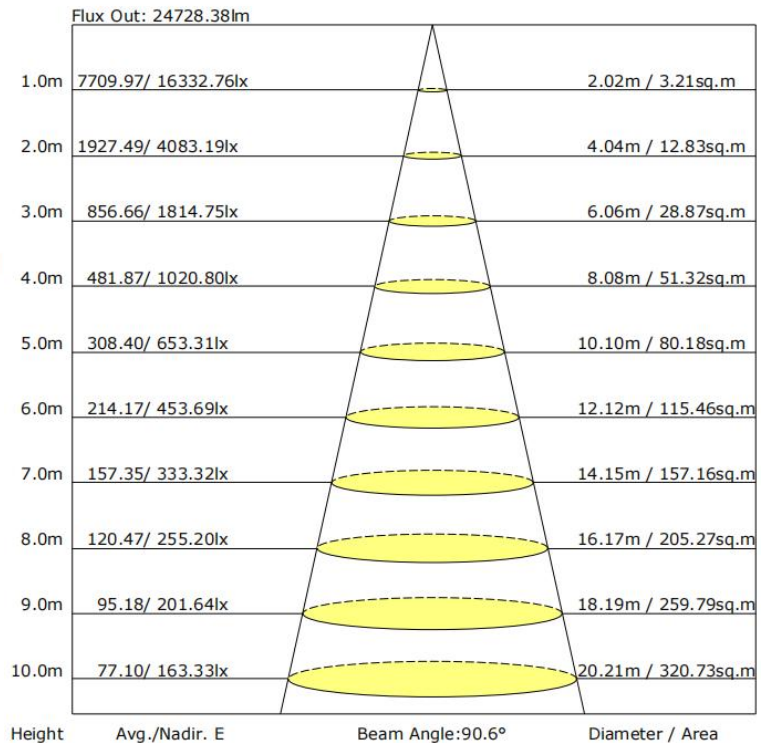
CIE Class: Direct
Measurement Flux: 36132 lm
Downward Ratio: 100%
Horizontal Diffuse Angle(10%,50%): H145,H90.6
Vertical Diffuse Angle(10%,50%): V133.3,V93.7
Luminaire Efficacy Rating (LER): 143.77
Max. Intensity: 16340.23 cd
S/MH(C0/C180): 1.26

Total Rated Lamp Lumens: 36132.0 lm
Efficiency: 100%
Upward Ratio: 0%
C0r0 Intensity: 16332.76 cd
Pos of Max. Intensity: H45 V1
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.