



P/N: AST-HB11-150WH2BT2A1-abcd

Note:

AST= Company name

HB11 = Product series, LED High Bay Light

150 = Rating Power

H2 stand for Driver manufacturer, HBE series;

B= LED manufacturer, Lumileds2835.

T2 = 90° PC lens;

A1=Version number

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

“b” can be "10SP", "20SP", "S" or blank for

Surge-Protective Device provided or not,

“c” can be "M1", "M2", "P" or blank for Motion Sensor, PIR sensor provided or not;

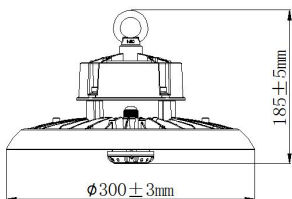
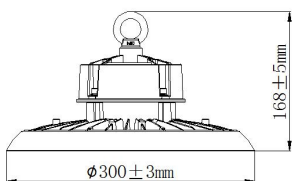
“d” can be any two digits to represent CCT.

35=3500K, 40=4000K, 45=4500K, 50=5000K, 57=5700K.

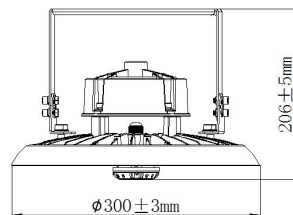
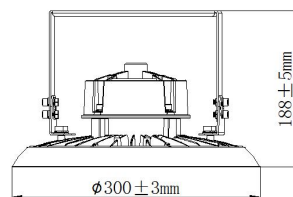


## DIMENSIONS

### Pendent



### Surface-mounted



## 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;
- Highway toll station and gas station;
- Exhibition hall;
- Gymnasium and supermarkets, etc.

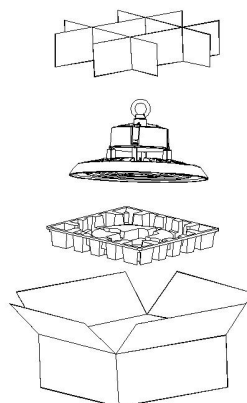
## SPECIFICATIONS

<b>OPTICAL</b>	Input Power (Tolerance : ±10%)	150W				
	Color Temperature	3500K	4000K	4500K	5000K	5700K
	Lumen (Tolerance : -10%)	20297LM	20882LM	20887 LM	20893LM	20899LM
	Efficacy (Tolerance : -3%)	135.1 LM/W	138.4LM/W	138.4LM/W	138.5LM/W	138.5LM/W
	CRI	>80				
	Color Consistency	<5 Steps (or <5 SDCM)				
	UGR	<28 (X=4H, Y=8H; S/H=1; Reflectances: 70%/50%/20%)				
	Diffuser Type	PC Lens				
	Beam Angle (50%) (Tolerance :	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	China Brand Driver (0-10V dimming )				
	Driver Model	HB-150RM-130D				
	Driver Surge protection	L/N-PE: 6kV, L-N: 4kV				
	Dimming	0-10V dimming standard				
	Optional Accessory	Motion Sensor, PIR Sensor , Surge-protective Device				
<b>MATERIALS</b>	LED Brand	Lumileds				
	LED Type	SMD2835				
	LED QTY	440PCS				
	Housing	Die-cast aluminum				
	Housing Color	Black, White, or Customized				
	Waterproof Rating	WET (IP65)				
<b>OTHERS</b>	Operating Temperature	Without Motion Sensor: -40°C TO 50°C				
		With Motion Sensor: -30°C TO 50°C				
	Storage Temperature	-40°C TO 80°C				
	Operating Humidity	20% - 90% RH				
	Storage Humidity	10% - 95% RH				
Warranty	5 years warranty with 24/7 operating hours Luminaire lifetime at 25°C.					

## PACKAGE

Lamp Type	Carton Size	Qty / Carton	Net Weight / Carton	Gross Weight / Carton
Pendent	360*360*195mm	1 PC	2.4KG	3.4KG
Surface-mounted	360*360*195mm	1 PC	2.6 KG	3.6 KG

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



## LIGHT DISTRIBUTION TESTING PARAMETERS

### Luminaire Property

Luminaire Manufacturer:  
 Luminaire Category:  
 Lamp Catalog:  
 Number of Lamps:  
 Luminous Length (mm):  
 Luminous Height (mm):  
 Current: 1.265 A  
 Power Factor: 0.994

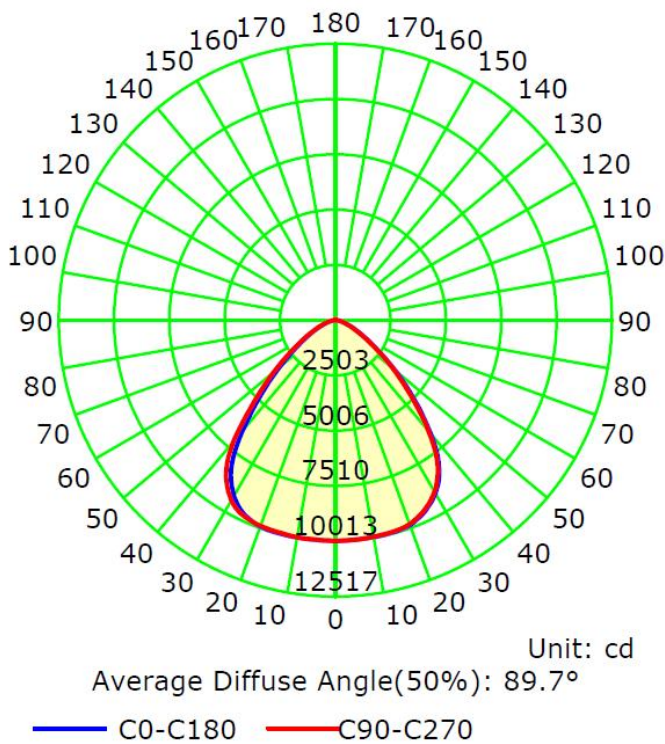
Luminaire Description:  
 Lamp Description:  
 Lumens per Lamp:  
 Luminous Width (mm):  
 Voltage: 120.0 V  
 Power: 150.89 W

### Photometric Results

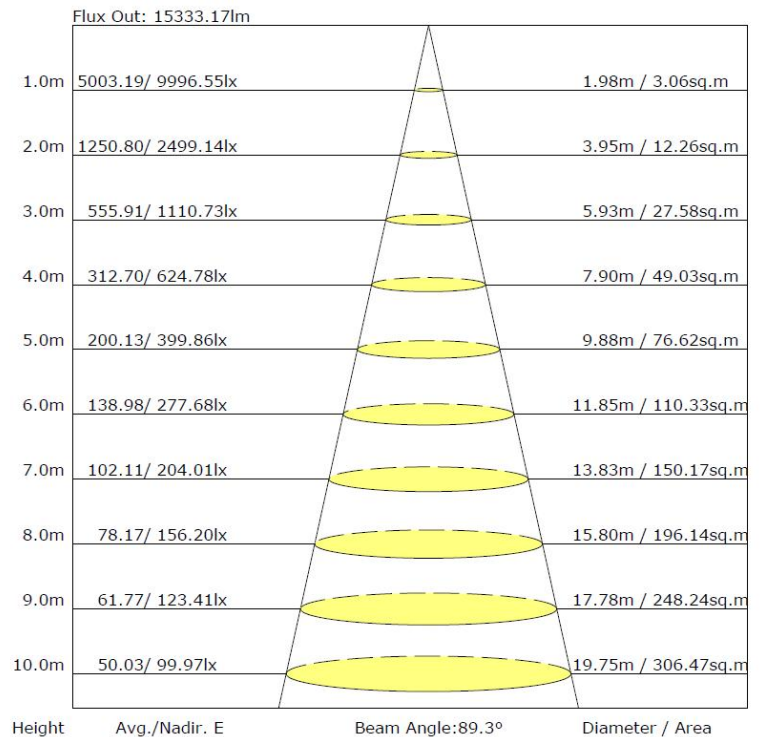
CIE Class: Direct  
 Measurement Flux: 20881.1 lm  
 Downward Ratio: 99%  
 Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 129.1, 129.5, 129.6, 129.9  
 Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 89.3, 90.0, 89.7, 89.6  
 Luminaire Efficacy Rating (LER): 138.44  
 Max. Intensity: 10013.7 cd  
 S/MH(C0/C180): 1.32

Total Rated Lamp Lumens: 20881.1 lm  
 Efficiency: 100%  
 Upward Ratio: 1%  
 C0r0 Intensity: 9996.55 cd  
 Pos of Max. Intensity: H67.5 V2  
 S/MH(C90/C270): 1.33

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.