



P/N: AST-HB11-240WH2BT2A1-abcd

Note:

AST= Company name

HB11 = Product series, LED High Bay Light

240 = 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;

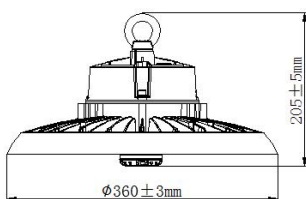
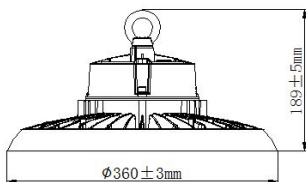
“d” can be any two digits to represent CCT.

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

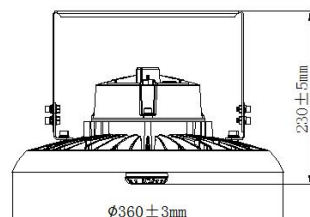
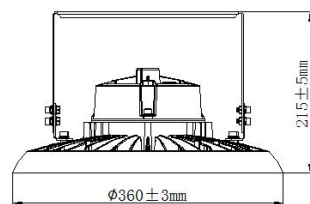


DIMENSIONS

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.

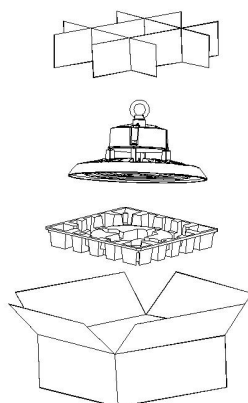
SPECIFICATIONS

OPTICAL	Input Power (Tolerance : $\pm 10\%$)	240W				
	Color Temperature	3500K	4000K	4500K	5000K	5700K
	Lumen (Tolerance : -10%)	32860LM	34016LM	33882 LM	33748LM	33613LM
	Efficacy (Tolerance : -3%)	136LM/W	141LM/W	140LM/W	140LM/W	143.9LM/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				
ELECTRICAL	Input Voltage and Frequency	120-277VAC, 50/60Hz				
	PF (Tolerance : -3%)	≥ 0.9				
	THD (Tolerance : $+5\%$)	$\leq 20\%$				
	Flicker Percent	<5%				
	Driver Brand	China Brand Driver (0-10V dimming)				
	Driver Model	HB-240RM-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				
MATERIALS	LED Brand	Lumileds				
	LED Type	SMD2835				
	LED QTY	720PCS				
	Housing	Die-cast aluminum				
	Housing Color	Black, White, or Customized				
	Waterproof Rating	WET (IP65)				
OTHERS	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	420*420*205mm	1 PC	3.7KG	4.8KG
Surface-mounted	420*420*205mm	1 PC	4.6 KG	5.7 KG

Tolerance of Carton Size: ± 15 MM, 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: 2.025 A
Power Factor: 0.993

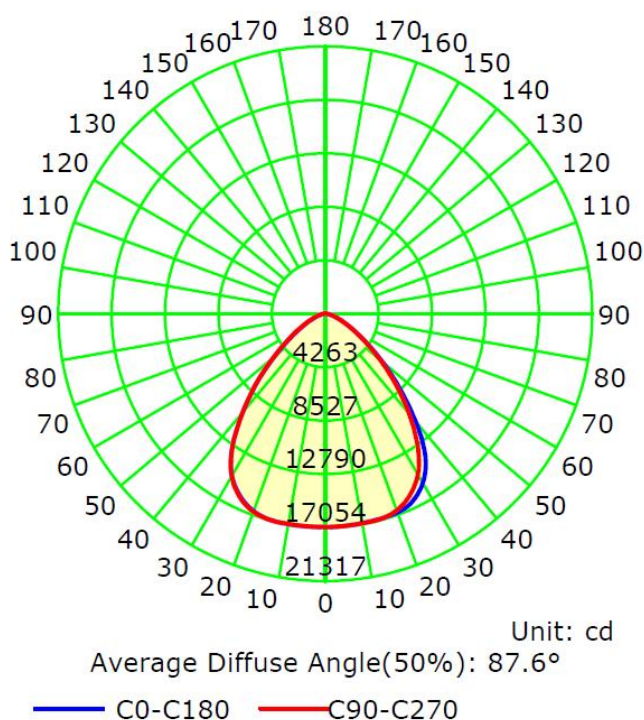
Luminaire Description:
Lamp Description:
Lumens per Lamp:
Luminous Width (mm):
Voltage: 120.0 V
Power: 241.35 W

Photometric Results

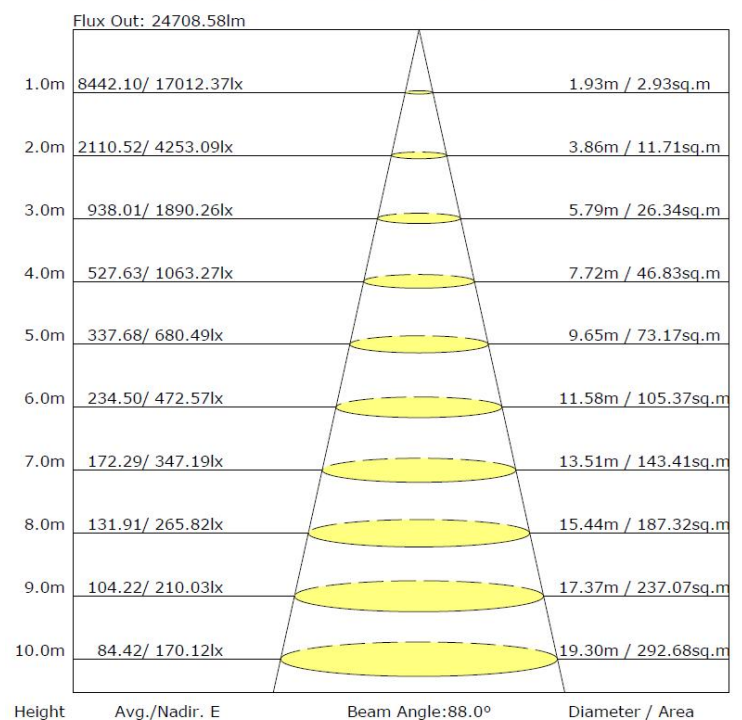
CIE Class: Direct
Measurement Flux: 34016.2 lm
Downward Ratio: 100%
Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 128.1, 129.1, 128.2, 129.0
Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 88.0, 87.3, 87.1, 87.0
Luminaire Efficacy Rating (LER): 140.99
Max. Intensity: 17054.18 cd
S/MH(C0/C180): 1.29

Total Rated Lamp Lumens: 34016.2 lm
Efficiency: 100%
Upward Ratio: 0%
C0r0 Intensity: 17012.37 cd
Pos of Max. Intensity: H202.5 V12
S/MH(C90/C270): 1.26

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.