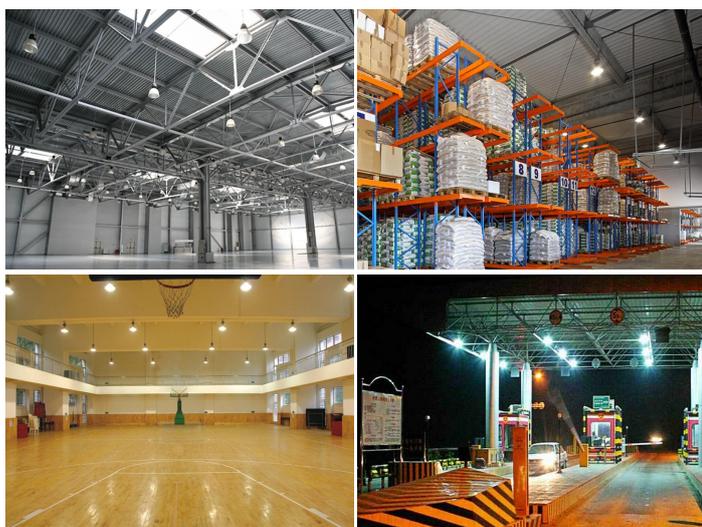


## ITEM#2146

LED KING LIGHTING DISTRIBUTION  
 E-mail: [sales@ledkingtx.com](mailto:sales@ledkingtx.com)  
[www.ledkingtx.com](http://www.ledkingtx.com)



P/N: AST-HB13-240WH2BT2A1-abcd

**Note:**

HB13 = Product series, LED High Bay Light

240W = 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” Surge-Protective Device, Can be S or blank

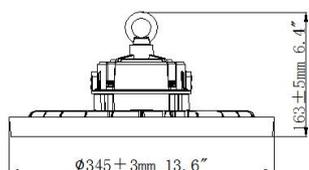
“c” can be “M” or blank for Motion Sensor provided or not;

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

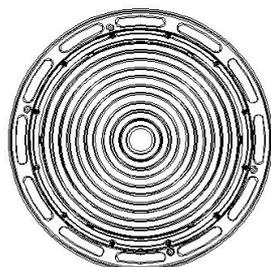
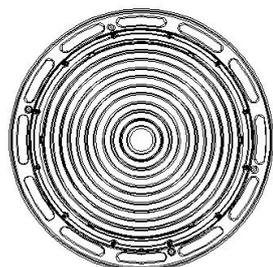
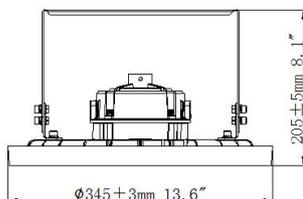
40=4000K, 45=4500K, 50=5000K, 57=5700K.

### DIMENSIONS

**Pendent**



**Surface-mounted**



### ADVANTAGE

- UL cUL certificate.
- 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.
- Green and eco-friendly without mercury.

### APPLICATION

- Warehouse, factory and workshops;
- Highway toll station and gas station;
- Exhibition hall;
- Gymnasium and supermarkets, etc.

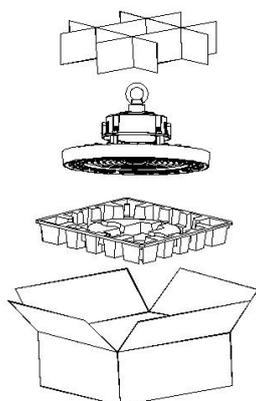
## SPECIFICATIONS

<b>OPTICAL</b>	Input Power (Tolerance : ±10%)	240W			
	Color Temperature	4000K	4500K	5000K	5700K
	Lumen (Tolerance : -10%)	32800 LM	33100 LM	33400 LM	33800 LM
	Efficacy (Tolerance : -3%)	137LM/W	138LM/W	139LM/W	141LM/W
	CRI	>80			
	Color Consistency	< 6 Steps (or < 6 SDCM)			
	UGR	< 28 (X=4H, Y=8H; S/H=1; Reflectances: 70%/50%/20%)			
	Diffuser Type	PC 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	≤50%			
	Driver Brand	HBE Brand Driver (0-10V dimming )			
	Driver Model	HB-240RM-130D			
	Driver Surge protection	L/N-PE: 6kV, L-N: 6kV			
	Dimming	0-10V dimming standard			
	Optional Accessory	Motion Sensor, Surge-protective Device			
<b>MATERIALS</b>	LED Brand	Lumileds			
	LED Type	SMD2835			
	LED QTY	720PCS			
	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	400*400*195mm	1 PC	3.8KG	4.9KG
Surface-mounted	400*400*195mm	1 PC	4.5 KG	5.6 KG

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



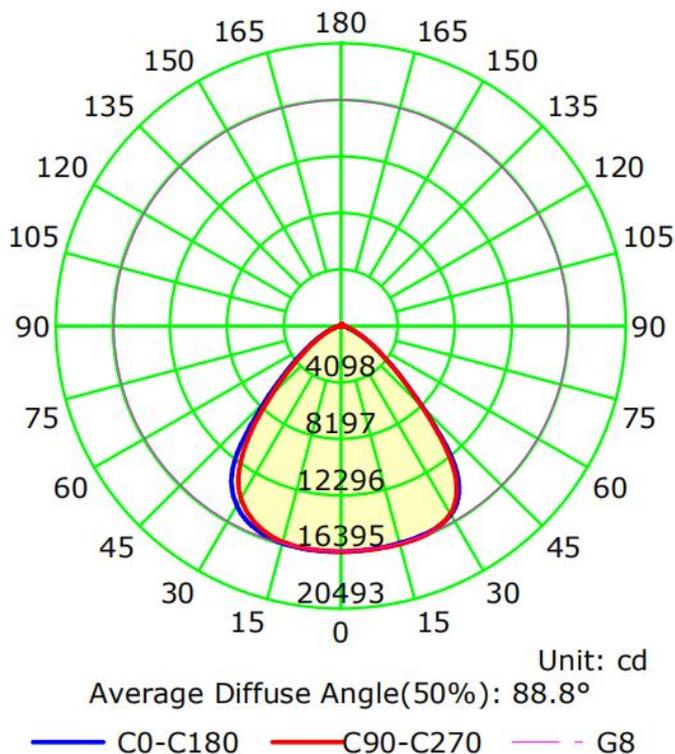
## LIGHT DISTRIBUTION TESTING PARAMETERS

### Photometric Results

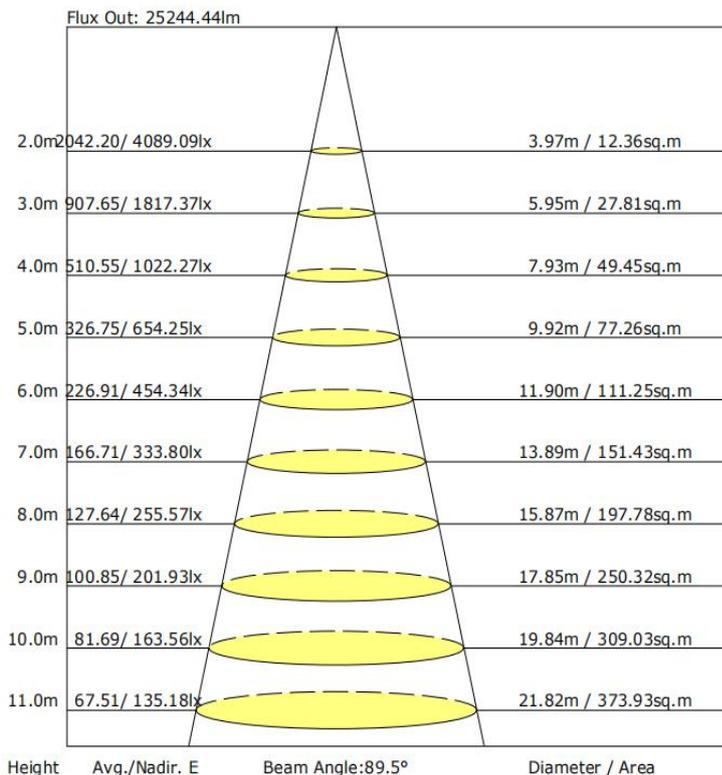
IES Classification: Type I  
 Total Rated Lamp Lumens: 33438.5 lm  
 Efficiency: 100%  
 Upward Ratio: 1%  
 Central Intensity: 16356.37 cd  
 Pos of Max. Intensity: H180 V8

Longitudinal Classification: Very Short  
 Measurement Flux: 33438.5 lm  
 Downward Ratio: 99%  
 Luminaire Efficacy Rating (LER): 138.51  
 Max. Intensity: 16395.17 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.