



WEN LIGHTING

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**SKU : WEN-HB02-150WD1-5700K**

**P/N: AST-HB23-150WS1BT2A1-BH5700KWS**

Note:

WEN = Company name;

HB23 = Product series, LED High Bay Light;

150W= Rating Power;

S1= Driver manufacturer, Sosen CNL-E 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 “S” or “EM” or blank for Surge-protective Device  
provided or Emergency Driver or not;

“c” can be “M” or blank for Motion microwave Sensor, provided  
or Motion PIR sensor or not

“d” can be any digits for CCT, 40-57K(4000-5700K)

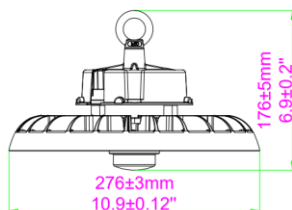
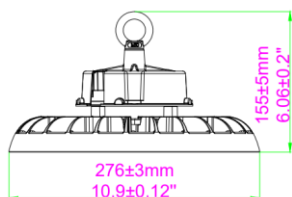
“W” Stand for Wattage adjustable;

“S” Stand for Surge-protective Device

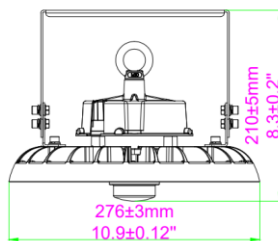
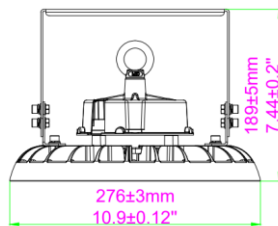


## DIMENSIONS

### Pendent



### Surface-mounted



## ADVANTAGE

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

## APPLICATION

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

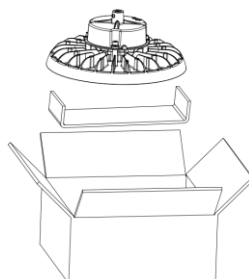
## SPECIFICATIONS

<b>OPTICAL</b>	Input Power (Tolerance : ±10%)	150W (Wattage adjustable : 25%-100% or 150W/120W/100W)
	Color Temperature	5700K
	Lumen (Tolerance : ±10%)	23300LM
	Efficacy (Tolerance : ±3%)	155LM/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	<5%
	Driver Brand	Sosen Driver (0-10V dimming )
	Driver Model	SS-150CNL-E260BHB
	Driver Surge protection	L/N-PE: 6kV, L-N: 6kV
	Dimming	0-10V dimming standard(off)
	Sensor type	Daylight Sensor, Occupancy Sensor, Multifunction Sensor, Integral Sensor Receptacle
	LED Brand	Lumileds
<b>MATERIALS</b>	LED Type	SMD2835
	LED QTY	400PCS
	Housing	Die-cast aluminum
	Housing Color	Black, White, or Customized
	Waterproof Rating	WET (IP65)
	Operating Temperature	Without Motion Sensor: -40℃ TO 50℃
<b>OTHERS</b>	Operating Temperature	With Emergency Driver: 0℃ TO 50℃
	Storage Temperature	With Motion Sensor: -20℃ TO 50℃
		-40℃ TO 80℃
	Operating Humidity	20% - 90% RH
	Storage Humidity	10% - 95% RH
	Warranty	5 years

## PACKAGE

Lamp Type	Carton Size	Qty / Carton	Net Weight / Carton	Gross Weight / Carton
Pendent	295*295*140MM[11.61*11.61*5.51inch]	1PCS	2.1KG[4.63LBS]	2.5KG[5.51LBS]
Surface-mounted	295*295*140MM[11.61*11.61*5.51inch]	1PCS	2.5KG[5.51LBS]	2.9KG[6.39LBS]

Tolerance of Carton Size: ±15 MM[±0.59inch], Tolerance of Weight: ±10%.



## LIGHT DISTRIBUTION TESTING PARAMETERS

### Luminaire Property

Luminaire Manufacturer:  
 Luminaire Category:  
 Lamp Catalog:  
 Number of Lamps:  
 Luminous Length (mm): -210  
 Luminous Height (mm):  
 Current: 1.254 A  
 Power Factor: 0.998

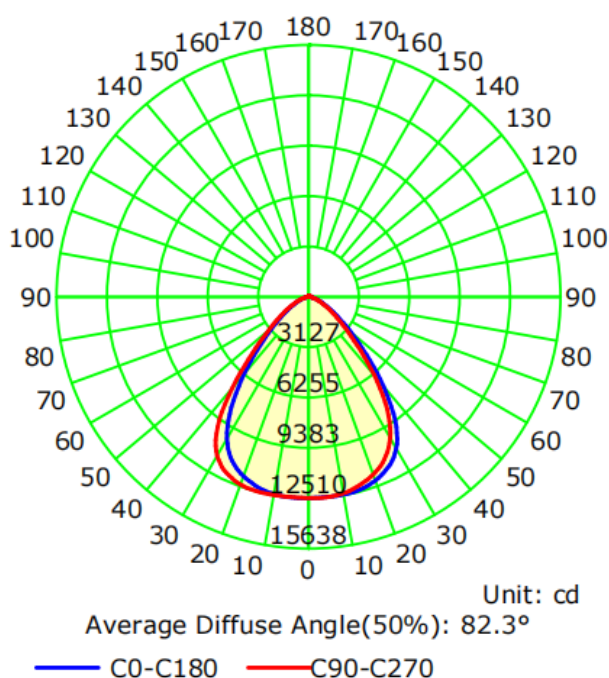
Luminaire Description:  
 Lamp Description:  
 Lumens per Lamp:  
 Luminous Width (mm): -210  
 Voltage: 120.0 V  
 Power: 150.14 W

### Photometric Results

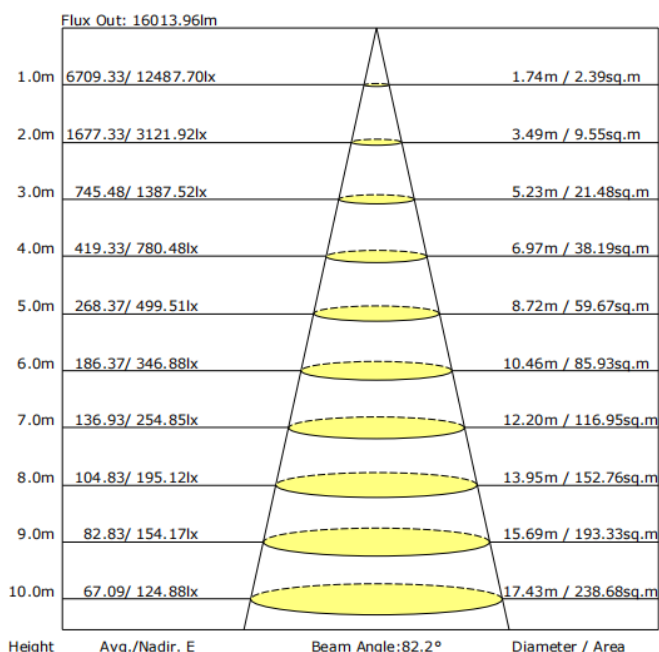
CIE Class: Direct  
 Measurement Flux: 22727.3 lm  
 Downward Ratio: 99%  
 Horizontal Diffuse Angle(10%,50%): H123.3,H82.2  
 Vertical Diffuse Angle(10%,50%): V123.5,V82.4  
 Luminaire Efficacy Rating (LER): 151.42  
 Max. Intensity: 12510.77 cd  
 S/MH(C0/C180): 1.23

Total Rated Lamp Lumens: 22727.3 lm  
 Efficiency: 100%  
 Upward Ratio: 1%  
 C0r0 Intensity: 12487.7 cd  
 Pos of Max. Intensity: H225 V10  
 S/MH(C90/C270): 1.25

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.