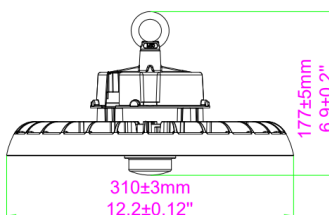
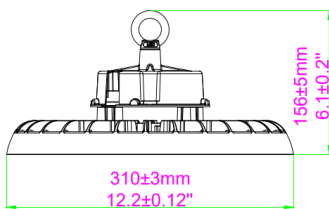


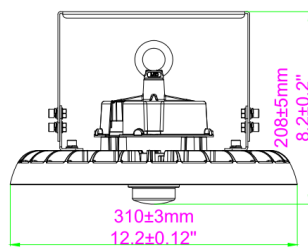
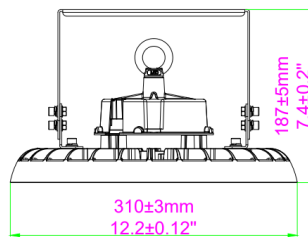


## DIMENSIONS

### Pendent



### Surface-mounted



P/N: AST-HB23-200WS1XYA1-abcdWSg

Note:

AST= Company name;

HB23 = Product series, LED High Bay Light;

200W= Rating Power;

S1 =Driver manufacturer, Sosen CNL-E series;

“X” can be any alphabet for manufacturer of LED;

“Y” can be “T1-T9” “CP” for Diffuser type;

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, 35-65K(3500K-6500K)

“W” Stand for wattage tunable

“S” stand for color untunable

“g” can be “RP”, “RA” or blank for Thermoplastic shade, aluminum shade provided or not.

## ADVANTAGE

- UL cUL certificate.
- Lumileds or Samsung 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.

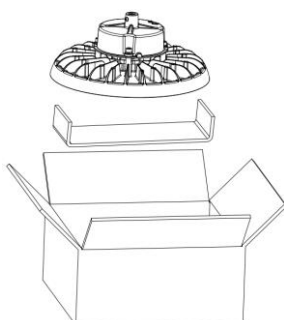
## SPECIFICATIONS

OPTICAL	Input Power (Tolerance : $\pm 10\%$ )	200W (wattage adjustable 25%-100% or 200W/150W/120W)
	Color Temperature	3500K-5700K
	Lumen (Tolerance : -10%)	29000-31000LM
	Efficacy (Tolerance : -3%)	145-155LM/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 : $\pm 15\%$ )	90 Degree
ELECTRICAL	Input Voltage and Frequency	120-277VAC, 50/60Hz
	PF (Tolerance : -3%)	$\geq 0.9$
	THD (Tolerance : +5%)	$\leq 20\%$
	Flicker Percent	<5%
	Driver Brand	Sosen Driver (0-10V dimming )
	Driver Model	SS-200CNL-E260BHB
	Driver Surge protection	L/N-PE: 6kV, L-N: 6kV
	Dimming	0-10V dimming standard(off)
	Optional Accessory	Motion microwave Sensor, PIR motion sensor , Surge-protective Device,Wire guard,Reflector shield
MATERIALS	LED Brand	Lumileds
	LED Type	SMD2835
	LED QTY	560PCS
	Housing	Die-cast aluminum
	Housing Color	Black, White, or Customized
	Waterproof Rating	WET (IP65)
OTHERS	Operating Temperature	Without Motion Sensor: -40℃ TO 50℃
		With Motion Sensor: -30℃ TO 50℃
	Storage Temperature	-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	330*330*140MM[13.99*13.99*5.51inch]	1PCS	2.4KG[5.29LBS]	2.9KG[6.39LBS]
Surface-mounted	330*330*140MM[13.99*13.99*5.51inch]	1PCS	2.8KG[6.17LBS]	3.3KG[7.28LBS]

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



## LIGHT DISTRIBUTION TESTING PARAMETERS

### Luminaire Property

Luminaire Manufacturer:

Voltage: 121.1 V

Power: 203.50 W

Current: 1.686 A

Power Factor: 0.997

### Photometric Results

IES Classification: Type I

Total Rated Lamp Lumens: 32212.3 lm

Efficiency: 100%

Upward Ratio: 1%

Central Intensity: 17182.85 cd

Pos of Max. Intensity: H112.5 V18

Longitudinal Classification: Very Short

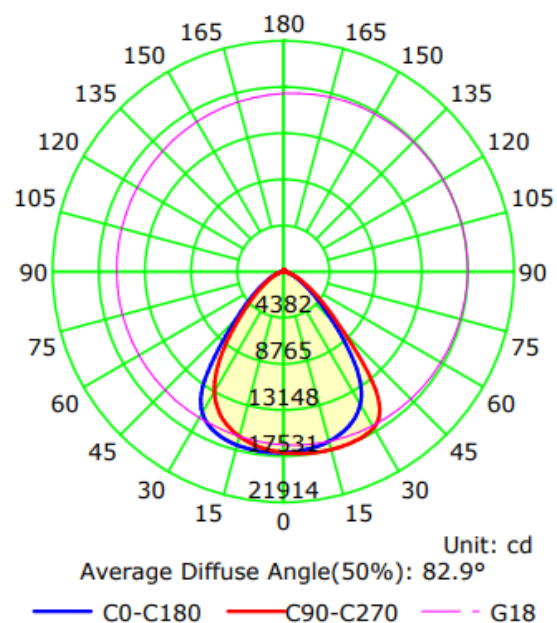
Measurement Flux: 32212.3 lm

Downward Ratio: 99%

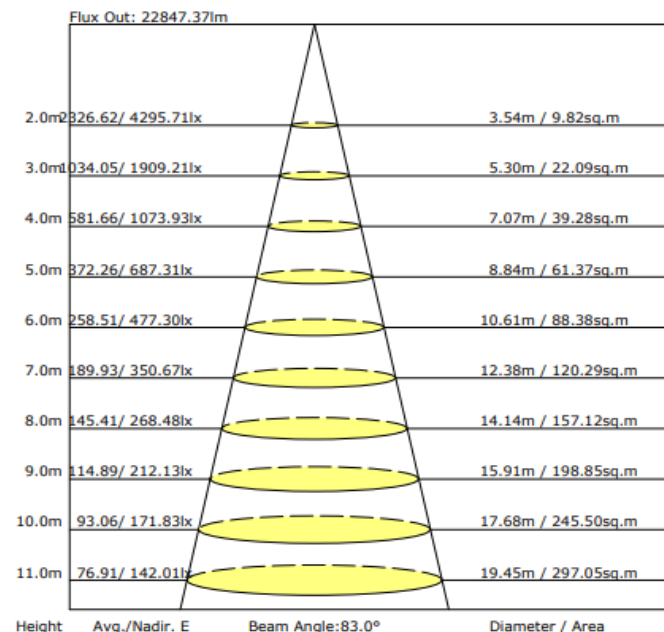
Luminaire Efficacy Rating (LER): 158.34

Max. Intensity: 17531.62 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.