WEN LIGHTING
E-mail: info@wenlighting .com
www.wenlighting.com

SKU : WEN-HB02-240WD1-5700K
P/N: AST-HB23-240WS1BT2A1-BH5700KWS

Note:

WEN= Company name;

HB23 = Product series, LED High Bay Light;

240W= 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;

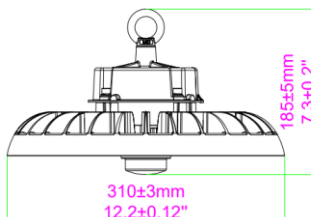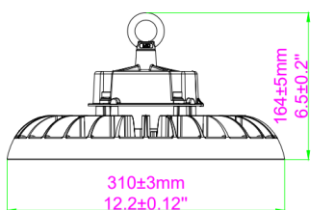"c" can be "M"or blank for Motion microwave Sensor, provided or Motion PIR sensor or not

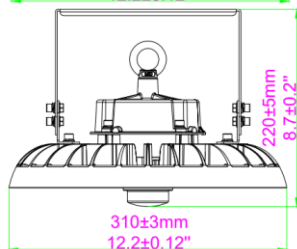"d" can be any digits for CCT, 40-57K(4000-5700K)

"W"Stand for Wattage adjustable;

DIMENSIONS

Pendent

Surface-mounted

164±5mm
6.5±0.2"

310±3mm
12.2±0.12"

185±5mm
7.3±0.2"

310±3mm
12.2±0.12"

199±5mm
7.8±0.2"

310±3mm
12.2±0.12"

220±5mm
8.7±0.2"

310±3mm
12.2±0.12"
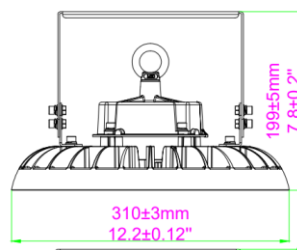
ADVANTAGE

➢ 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

OPTICAL	Input Power (Tolerance : ±10%)	240W (Wattage adjustable: 25%-100% or 240W/220W/200W)
	Color Temperature	5700K
	Lumen (Tolerance : ±10%)	37200LM
	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
ELECTRICAL	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-240CNL-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
MATERIALS	LED Type	SMD2835
	LED QTY	640PCS
	Housing	Die-cast aluminum
	Housing Color	Black, White, or Customized
	Waterproof Rating	WET（IP65）
	Operating Temperature	Without Motion Sensor: -40℃ TO 50℃
OTHERS	Operating Temperature Storage Temperature	With Emergency Driver: 0℃ TO 50℃
		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	330*330*145MM[12.99*12.99*5.71inch]	1PCS	2.7KG[5.95LBS]	3.2KG[7.05LBS]
Surface-mounted	330*330*145MM[12.99*12.99*5.71inch]	1PCS	3.1KG[6.83LBS]	3.6KG[7.94LBS]

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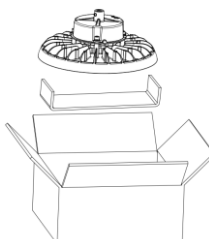
LIGHT DISTRIBUTION TESTING PARAMETERS

Luminaire Property

Luminaire Manufacturer:
Luminaire Category:
Lamp Catalog:
Number of Lamps:
Luminous Length (mm): -237
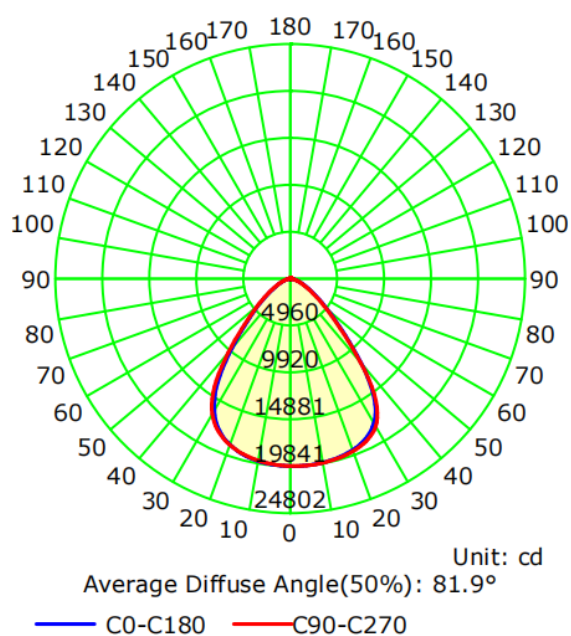Luminous Height (mm):
Current: 1.967 A
Power Factor: 0.999

Luminaire Description:
Lamp Description:
Lumens per Lamp:
Luminous Width (mm): -237
Voltage: 120.0 V
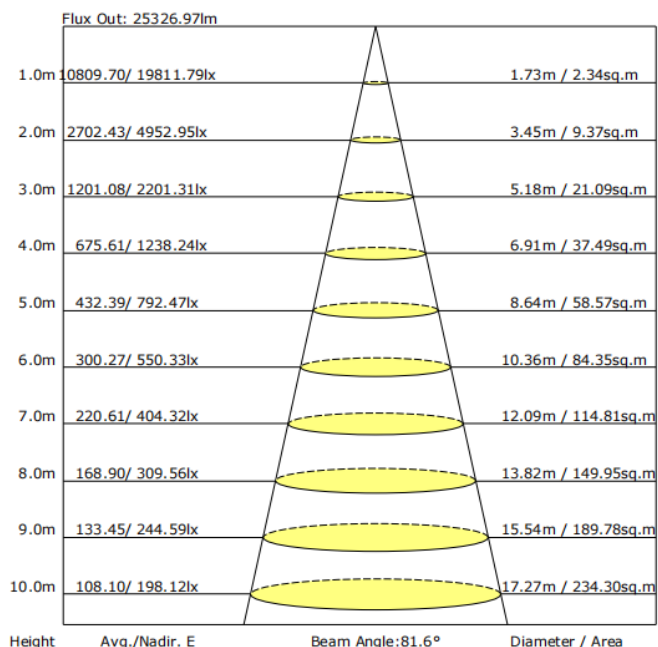Power: 235.76 W

Photometric Results

CIE Class: Direct
Measurement Flux: 35743.3 lm
Downward Ratio: 100%
Horizontal Diffuse Angle(10%,50%): H122.5,H81.6
Vertical Diffuse Angle(10%,50%): V122.4,V82.2
Luminaire Efficacy Rating (LER): 151.66
Max. Intensity: 19841.61 cd
S/MH(C0/C180): 1.24

Total Rated Lamp Lumens: 35743.3 lm
Efficiency: 100%
Upward Ratio: 0%

C0r0 Intensity: 19811.79 cd
Pos of Max. Intensity: H45 V6
S/MH(C90/C270): 1.26

Luminous Intensity Distribution Curve

Average Diffuse Angle(50%): 81.9°

— C0-C180 — C90-C270

Unit: cd

The Average Illuminance Effective Figure

Flux Out: 25326.97lm

Height	Avg./Nadir. E	Beam Angle:81.6°	Diameter / Area
1.0m	10809.70/ 19811.79lx		1.73m / 2.34sq.m
2.0m	2702.43/ 4952.95lx		3.45m / 9.37sq.m
3.0m	1201.08/ 2201.31lx		5.18m / 21.09sq.m
4.0m	675.61/ 1238.24lx		6.91m / 37.49sq.m
5.0m	432.39/ 792.47lx		8.64m / 58.57sq.m
6.0m	300.27/ 550.33lx		10.36m / 84.35sq.m
7.0m	220.61/ 404.32lx		12.09m / 114.81sq.m
8.0m	168.90/ 309.56lx		13.82m / 149.95sq.m
9.0m	133.45/ 244.59lx		15.54m / 189.78sq.m
10.0m	108.10/ 198.12lx		17.27m / 234.30sq.m

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.