LED High Bay Light

P/N: PLT-11896 / PLTSN111412

14,700 Lumens - 100 Watt - 250W

MH Equal - 5000 Kelvin - 120-277 Volt

ADVANTAGE

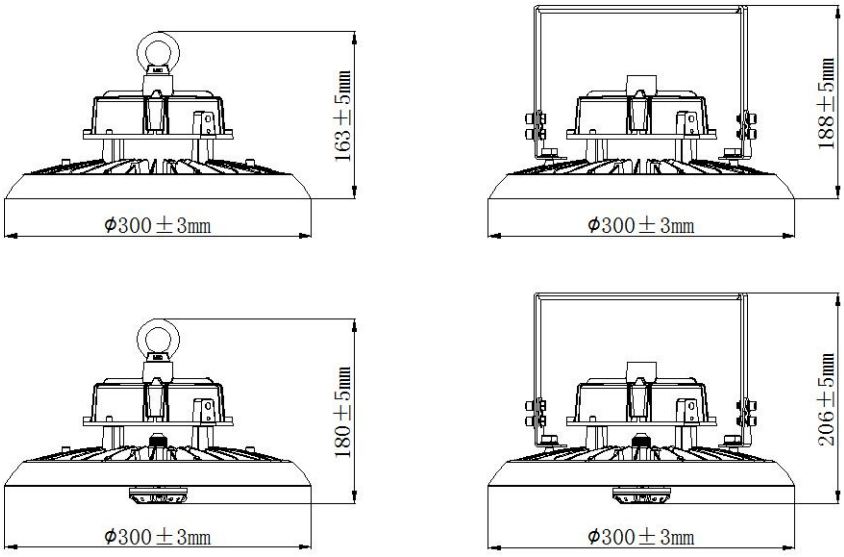
- UL certified, wet location
- Lumileds Chip, high CRI
- Input voltage 120-277VAC
- Output constant current lever can be adjusted through output cable with 0-10V
- No UV or IR in the beam
- Easy to install and operate
- Energy saving, long lifespan
- Light is soft and uniform
- Instant start, NO flickering, NO humming
- Green and eco-friendly without mercury
- 6 ft. whip

APPLICATION

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

DIMENSIONS

Pendent **Surface-mounted**



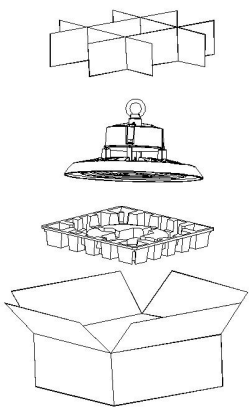
SPECIFICATIONS

OPTICAL	Input Power (Tolerance : ±10%)	100W				
	Color Temperature	3500K	4000K	4500K	5000K	5700K
	Lumen (Tolerance : -10%)	13939LM	14600LM	14291 LM	14700LM	14101LM
	Efficacy (Tolerance : -3%)	136 LM/W	146LM/W	139.5LM/W	147LM/W	138LM/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%)	≤20%				
	Flicker Percent	＜5%				
	Driver Brand	SOSEN Driver (0-10V dimming)				
	Driver Model	SS-120CNL-130BH				
	Driver Surge protection	L/N-PE: 4kV, 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	320PCS				
	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 warranty with 24/7 operating hours Luminaire lifetime at 25℃.				

PACKAGE

Lamp Type	Carton Size	Qty / Carton	Net Weight / Carton	Gross Weight / Carton
Pendent	360*360*195MM	1 PC	2.4KG	3.4KG
Surface-mounted	360*360*195MM	1 PC	2.6 KG	3.5 KG

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



LIGHT DISTRIBUTION TESTING PARAMETERS

Luminaire Property

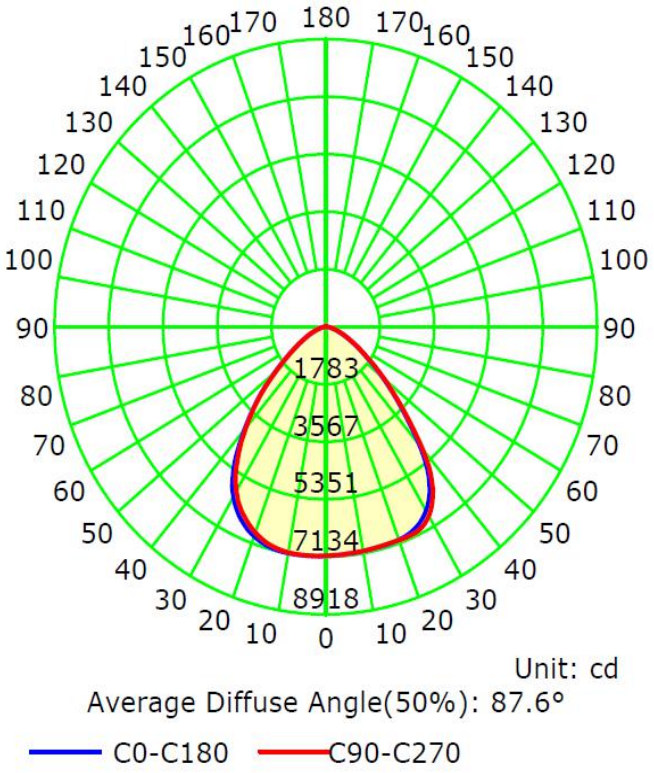
Luminaire Manufacturer:
Luminaire Category:
Lamp Catalog:
Number of Lamps:
Luminous Length (mm):
Luminous Height (mm):
Current: 0.861 A
Power Factor: 0.995

Luminaire Description:
Lamp Description:
Lumens per Lamp:
Luminous Width (mm):
Voltage: 120.0 V
Power: 102.75 W

Photometric Results

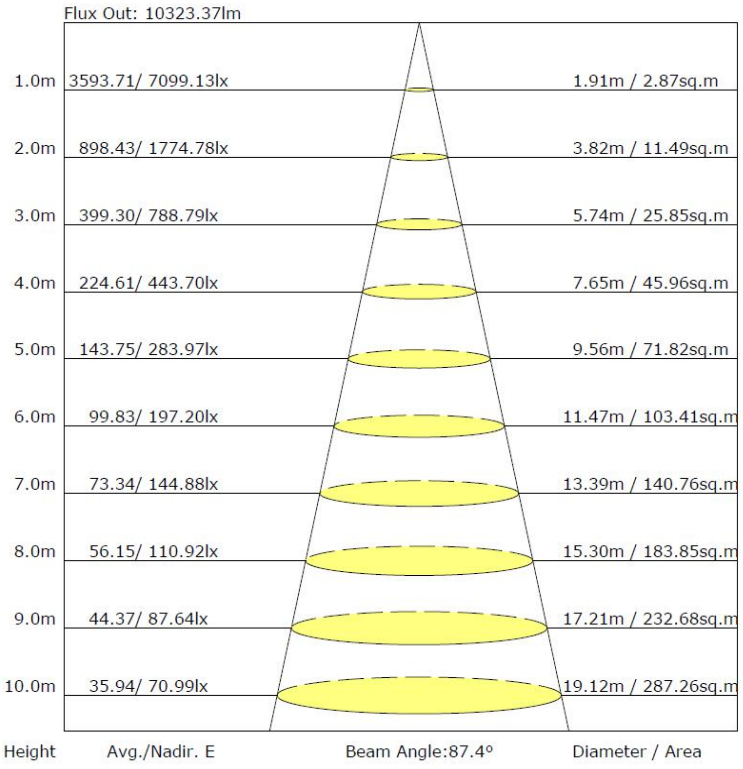
CIE Class: Direct
Measurement Flux: 14385.2 lm
Downward Ratio: 99%
Total Rated Lamp Lumens: 14385.2 lm
Efficiency: 100%
Upward Ratio: 1%
Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 128.8, 129.5, 129.4, 129.2
Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 87.4, 87.7, 88.2, 88.4
Luminaire Efficacy Rating (LER): 140.05
Max. Intensity: 7134.68 cd
S/MH(C0/C180): 1.29
C0r0 Intensity: 7099.13 cd
Pos of Max. Intensity: H202.5 V7
S/MH(C90/C270): 1.29

Luminous Intensity Distribution Curve



Unit: cd
Average Diffuse Angle(50%): 87.6°
C0-C180 C90-C270

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.