PLT-12981 - 240W, 5000K, w/ Sensor Receptacle, White Finish
- LED L70 Life Hours - 140,000
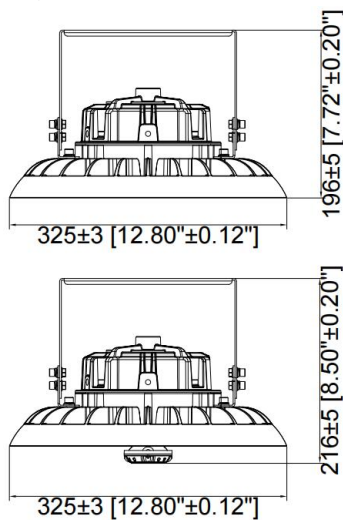
ADVANTAGE

➢ UL cUL

➢ Lumileds Chip, high CRI.

➢ Input voltage 277-480VAC.

➢ Output constant current 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.

DIMENSIONS

Pendent

Surface-mounted

Adjustable U-Bracket - PLTS-12377

178±5 [7.01"±0.20"]
325±3 [12.80"±0.12"]

196±5 [7.72"±0.20"]
325±3 [12.80"±0.12"]

198±5 [7.80"±0.20"]
325±3 [12.80"±0.12"]

216±5 [8.50"±0.20"]
325±3 [12.80"±0.12"]

APPLICATION

➢ Warehouse, factory and workshops

➢ Highway toll station

➢ Exhibition hall

➢ Gymnasium and supermarkets, etc.

SPECIFICATIONS

|							
OPTICAL	Input Power (Tolerance : ±5%)	240W					
	Color Temperature	3000K*	3500K**	4000K***	4500K****	5000K	5700K*****
	Lumen (Tolerance : ±10%)	31680lm	32160lm	32640lm	33120lm	33600lm	33840lm
	Efficacy (Tolerance : ±3%)	132lm/W	134lm/W	136lm/W	138lm/W	140lm/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					
ELECTRICAL	Input Voltage and Frequency	277-480VAC, 50/60Hz					
	PF (Tolerance : -3%)	≥0.9					
	THD (Tolerance : +5%)	≤20%					
	Flicker Percent	＜5%					
	Driver Brand	SOSEN					
	Driver Model	SS-240SA-56BH					
	Driver Surge protection	L-N: 6kV, L/N-PE: 6kV					
	Dimming	0-10V dimming standard					
	Sensor type	Daylight Sensor[1], Occupancy Sensor[2], Multifunction Sensor[3]					
	Optional Accessory	Motion microwave Sensor[4], Motion PIR Sensor[5] Surge-protective Device[6]					
MATERIALS	LED Brand	Lumileds					
	LED Type	SMD2835					
	LED QTY	360PCS					
	Housing	Die-cast aluminum					
	Housing Color	White (Black or Customized[A])					
	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	340*340*145mm [13.39*13.39*5.71 inch]	1 PC	3.3KG [7.26 LBS]	4.0KG [8.80 LBS]
Surface-mounted	340*340*145mm [13.39*13.39*5.71 inch]	1 PC	4.0KG [8.80 LBS]	4.9KG [10.78 LBS]

Tolerance of Carton Size: :±15 mm[±0.59 inch], Tolerance of Weight: ±10%.
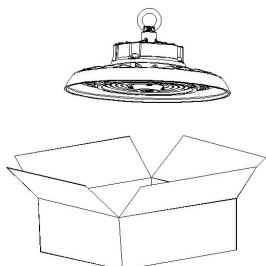
Alternate Versions:
***3000K Version - NPS-00110
****3500K Version - NPS-00111
*****4000K Version - NPS-00112
******4500K Version - NPS-00113
*******5700K Version - NPS-00114

Special order items. Please call 1-800-624-4488 for more information.

[A]*Multiple finish options available via Special Order. Please call 1-800-624-4488 for more information.*

Optional Accessories:
[1]Daylight Sensor - NPS-00014^
[2]Occupancy Sensor & Photocell - PLT-12844
[3]Multifunction Sensor - NPS-00016^
[4]Motion Microwave Sensor - NPS-00041^
[5]Motion PIR Sensor - NPS-00042^
[6]Surge protective Device - NPS-00029^
PLT-12281 - Motion Sensor Remote (for use w/ PLT-12844)

^*Special order item. Please call 1-800-624-4488 for more information.*

LIGHT DISTRIBUTION TESTING PARAMETERS

Luminaire Property

Luminaire Manufacturer:
Luminaire Category:
Lamp Catalog:
Number of Lamps:
Luminous Length (mm): -210
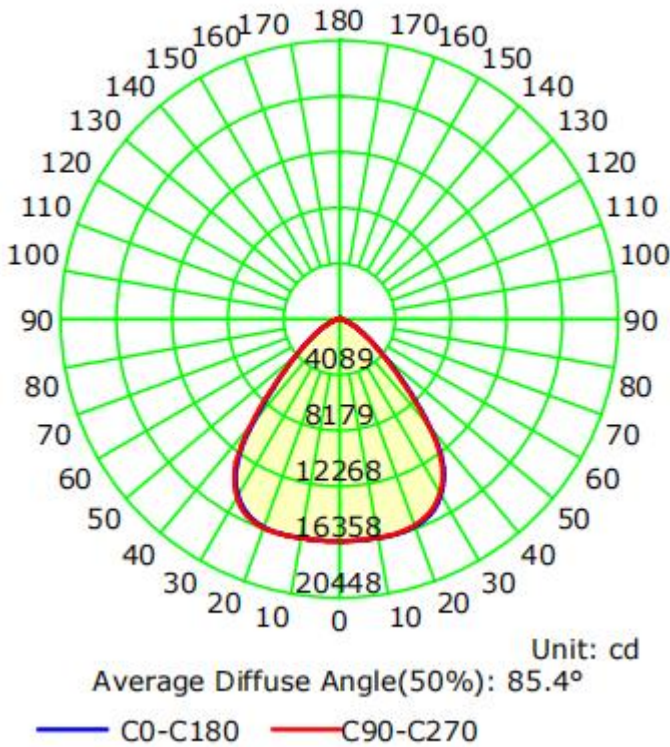Luminous Height (mm):
Current: 0.855 A
Power Factor: 0.997

Luminaire Description:
Lamp Description:
Lumens per Lamp:
Luminous Width (mm): -210
Voltage: 277.0 V
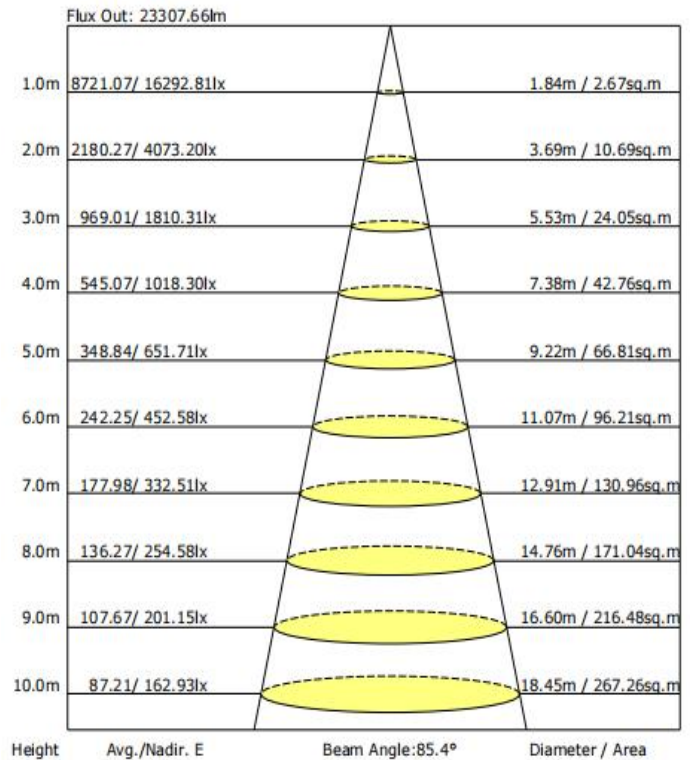Power: 236.02 W

Photometric Results

CIE Class: Direct
Measurement Flux: 31311.1 lm
Downward Ratio: 100%
Horizontal Diffuse Angle(10%,50%): H123.3,H85.4
Vertical Diffuse Angle(10%,50%): V122.8,V85.4
Luminaire Efficacy Rating (LER): 132.71
Max. Intensity: 16358.66 cd
S/MH(C0/C180): 1.31

Total Rated Lamp Lumens: 31311.1 lm
Efficiency: 100%
Upward Ratio: 0%

C0r0 Intensity: 16292.81 cd
Pos of Max. Intensity: H225 V17
S/MH(C90/C270): 1.31

Luminous Intensity Distribution Curve

Average Diffuse Angle(50%): 85.4°

—— C0-C180   —— C90-C270

Unit: cd

The Average Illuminance Effective Figure

Flux Out: 23307.66lm

Height	Avg./Nadir. E	Diameter / Area
1.0m	8721.07/ 16292.81lx	1.84m / 2.67sq.m
2.0m	2180.27/ 4073.20lx	3.69m / 10.69sq.m
3.0m	969.01/ 1810.31lx	5.53m / 24.05sq.m
4.0m	545.07/ 1018.30lx	7.38m / 42.76sq.m
5.0m	348.84/ 651.71lx	9.22m / 66.81sq.m
6.0m	242.25/ 452.58lx	11.07m / 96.21sq.m
7.0m	177.98/ 332.51lx	12.91m / 130.96sq.m
8.0m	136.27/ 254.58lx	14.76m / 171.04sq.m
9.0m	107.67/ 201.15lx	16.60m / 216.48sq.m
10.0m	87.21/ 162.93lx	18.45m / 267.26sq.m

Beam Angle:85.4°

NOTICE FOR USER

- Please turn off power before installation or maintenance.

- Verify that supply voltage is correct by comparing it with the luminaire label information. Please make sure the wiring is insulated.

- Installation, service, and maintenance of luminaries should be performed by a qualified licensed electrician.

TROUBLESHOOTING

Problem	Solution
Flickering Light	Turn off the power, then turn on again after 3 minutes. If the light continues to flicker, call a licensed electrician.
Fixture not turning on	Check the electrical connection.