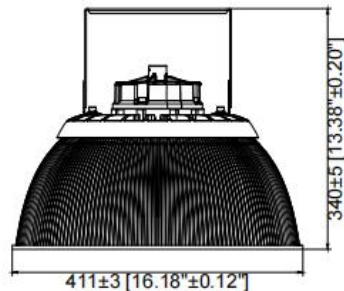**UL CERTIFIED** SAFETY US·CA E495046 LUMINAIRE

PLT-12693 - 125W, 3500K, 21,000 Lumens, Black Finish

DIMENSIONS

Pendent

Surface-mounted*

285±3 [11.20"±0.12"]
164±5 [6.44"±0.20"]

285±3 [11.20"±0.12"]
203±5 [7.98"±0.20"]

411±3 [16.18"±0.12"]
301±5 [11.85"±0.20"]

411±3 [16.18"±0.12"]
340±5 [13.38"±0.20"]

*Surface Mount Bracket - PLTS-12378
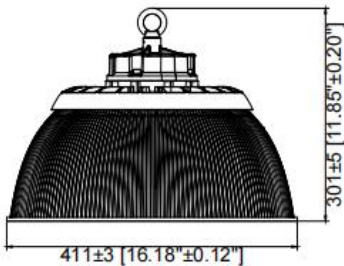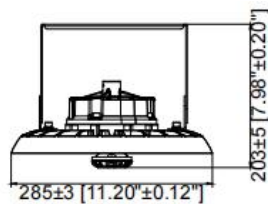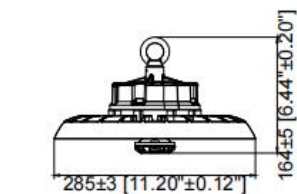
ADVANTAGE

➢ UL cUL certificate.
➢ Lumileds Chip, high CRI.
➢ Input voltage 120-277VAC.
➢ 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.

APPLICATION

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

SPECIFICATIONS

OPTICAL	Input Power (Tolerance : ±10%)	150W				
	Color Temperature	3500K	4000K*	4500K**	5000K***	5700K****
	Lumen (Tolerance : ±10%)	21000LM	21150LM	21300LM	21450LM	21600LM
	Efficacy (Tolerance : ±3%)	140LM/W	141LM/W	142LM/W	143LM/W	144LM/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	LiFUD				
	Driver Model	LF-FHB150YAⅣ				
	Driver Surge protection	L/N- PE: 6kV, L-N: 6kV				
	Dimming	0-10V dimming standard				
	Optional Accessory	Motion microwave Sensor[5], Motion PIR Sensor[6]				
MATERIALS	LED Brand	Lumileds				
	LED Type	SMD2835				
	LED QTY	240 PCS				
	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 With Reflector	420*420*240mm [16.54*16.54*9.45 inch]	1 PC	2.33KG [5.14 LBS]	3.4KG [7.50 LBS]
Surface-mounted With Reflector	420*420*240mm [16.54*16.54*9.45 inch]	1 PC	2.93 KG [6.46 LBS]	4.0KG [8.82 LBS]

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

Alternate Versions:
*4000K Version - NPS-00037 Special Order. Call 1-800-624-4488
**4500K Version - NPS-00038 Special Order. Call 1-800-624-4488
***5000K Version - NPS-00039 Special Order. Call 1-800-624-4488
****5700K Version - NPS-00040 Special Order. Call 1-800-624-4488
*****Optional finish options available via Special Order. Call 1-800-624-4488

Optional Accessories:
[5]Motion Microwave Sensor - PLT-12844
[6]Motion PIR Sensor - PLT-13121
Motion Sensor Remote - PLTS-12281 *(for use w/ PLT-12844)*

Special order items. 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): -410
Luminous Height (mm): 157
Current: 1.240 A
Power Factor: 0.998

Luminaire Description:
Lamp Description:
Lumens per Lamp:
Luminous Width (mm): -410
Voltage: 120.0 V
Power: 148.52 W

Photometric Results

CIE Class: Direct
Measurement Flux: 21054.5 lm
Downward Ratio: 99%
Horizontal Diffuse Angle(10%,50%): H110.6,H83.5
Vertical Diffuse Angle(10%,50%): V110.5,V83.4
Luminaire Efficacy Rating (LER): 141.81
Max. Intensity: 12200.47 cd
S/MH(C0/C180): 1.34
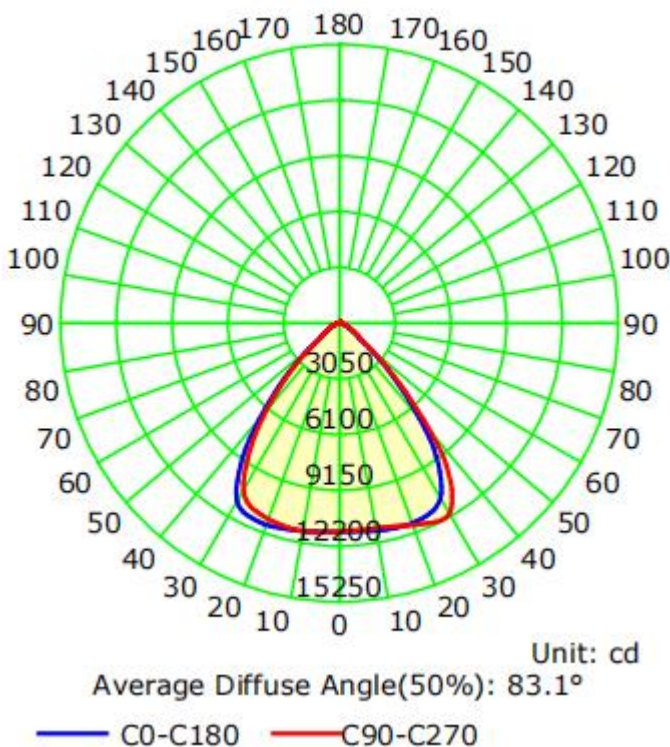
Total Rated Lamp Lumens: 21054.5 lm
Efficiency: 100%
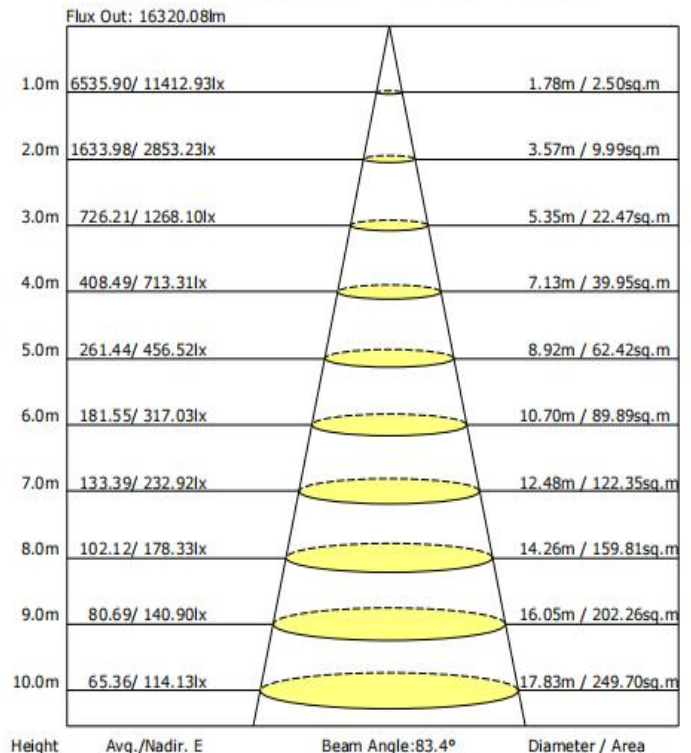Upward Ratio: 1%

C0r0 Intensity: 11412.93 cd
Pos of Max. Intensity: H112.5 V28
S/MH(C90/C270): 1.35

Luminous Intensity Distribution Curve

Unit: cd
Average Diffuse Angle(50%): 83.1°

—— C0-C180   —— C90-C270

The Average Illuminance Effective Figure

Flux Out: 16320.08lm

Height	Avg./Nadir. E		Diameter / Area
1.0m	6535.90/ 11412.93lx		1.78m / 2.50sq.m
2.0m	1633.98/ 2853.23lx		3.57m / 9.99sq.m
3.0m	726.21/ 1268.10lx		5.35m / 22.47sq.m
4.0m	408.49/ 713.31lx		7.13m / 39.95sq.m
5.0m	261.44/ 456.52lx		8.92m / 62.42sq.m
6.0m	181.55/ 317.03lx		10.70m / 89.89sq.m
7.0m	133.39/ 232.92lx		12.48m / 122.35sq.m
8.0m	102.12/ 178.33lx		14.26m / 159.81sq.m
9.0m	80.69/ 140.90lx		16.05m / 202.26sq.m
10.0m	65.36/ 114.13lx		17.83m / 249.70sq.m

Beam Angle:83.4°

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.