



PLT-12703 - 60/80/100W - Up to 15,744 Lumens, 3500/4000/5000K, Sensor Ready

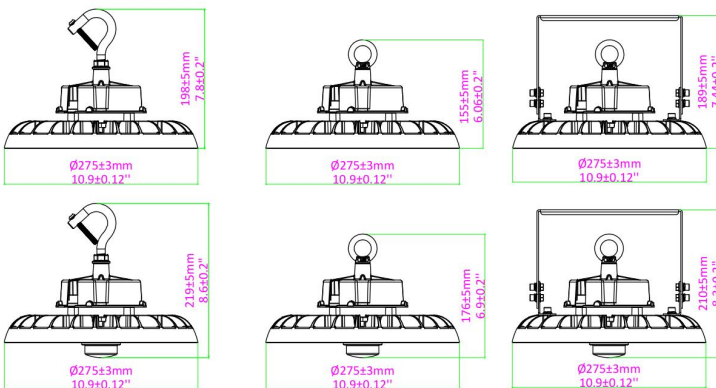
Packed with 1pc Ring mount & 1pc Hook mount



DIMENSIONS

Pendent

Surface-mounted w/ PLT-12378



ADVANTAGE

- UL cUL certificate.
- Lumileds Chips.
- Input voltage 120-277VAC.
- Output constant current 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 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

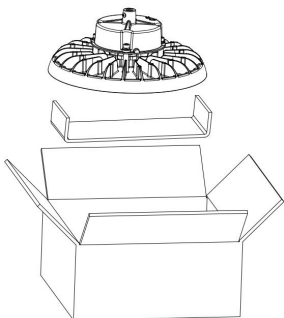
OPTICAL	Input Power (Tolerance : ±10%)	100W (wattage tunable 25%-100% or 100W/80W/60W)		
	Color Temperature	3500K	4000K	5000K
	Lumen (Tolerance : -10%)	146LM/W	157LM/W	154LM/W
	Efficacy (Tolerance : -3%)	14560LM	15744LM	15386LM
	CRI	>80		
	Color Consistency	<7 Steps (or <7 SDCM)		
	UGR	<28 (X=4H, Y=8H; 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-120CNL-E260BHD		
	Driver Surge protection	L/N-PE: 6kV, L-N: 6kV		
	Dimming	0-10V dimming standard(off)		
	Optional Accessory	Motion microwave Sensor ¹ , PIR motion sensor ² , Surge-protective Device ³ , Wire guard ⁴ , Reflector shield ⁵		
MATERIALS	LED Brand	Lumileds		
	LED Type	SMD2835		
	LED QTY	160*2PCS		
	Housing	Die-cast aluminum		
	Housing Color	Black, White*, or Customized*		
	Waterproof Rating	WET (IP65)		
OTHERS	Operating Temperature	Without Motion Sensor: -40°C TO 50°C		
		With Motion Sensor: -30°C TO 50°C		
	Storage Temperature	-40°C TO 80°C		
	Operating Humidity	20% - 90% RH		
	Storage Humidity	10% - 95% RH		
Warranty	5 years			

*Custom finish options available via Special Order. Call 1-800-624-4488

PACKAGE

Lamp Type	Carton Size	Qty / Carton	Net Weight / Carton	Gross Weight / Carton
Pendent	295*295*140MM[11.61*11.61*5.51inch]	1PCS	2.1KG[4.63LBS]	2.5KG[5.51LBS]
Surface-mounted	295*295*140MM[11.61*11.61*5.51inch]	1PCS	2.5KG[5.51LBS]	2.9KG[6.39LBS]

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



Optional Accessories:

¹Motion Microwave Sensor - PLT-13135

²PIR Motion Sensor - PLT-13136

³Surge-protective Device - NPS-00029

⁴Wire Guard - NPS-00170

⁵Reflector Shield - NPS-00170

Sensor Remote Control - PLT-13137

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

LIGHT DISTRIBUTION TESTING PARAMETERS 5000K

Luminaire Property

Luminaire Manufacturer:

Voltage: 120.6 V

Power: 102.30 W

Current: 0.852 A

Power Factor: 0.995

Photometric Results

IES Classification: Type I

Total Rated Lamp Lumens: 15779.4 lm

Efficiency: 100%

Upward Ratio: 1%

Central Intensity: 8752.29 cd

Pos of Max. Intensity: H270 V14

Longitudinal Classification: Very Short

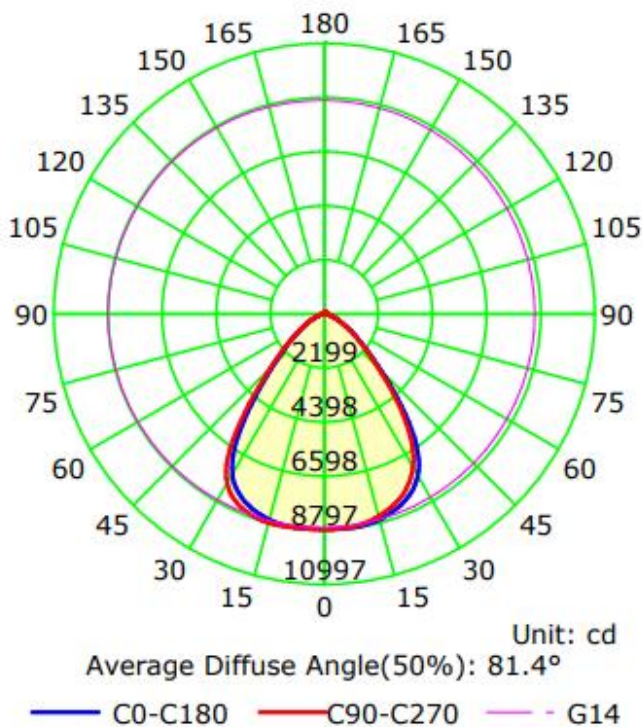
Measurement Flux: 15779.4 lm

Downward Ratio: 99%

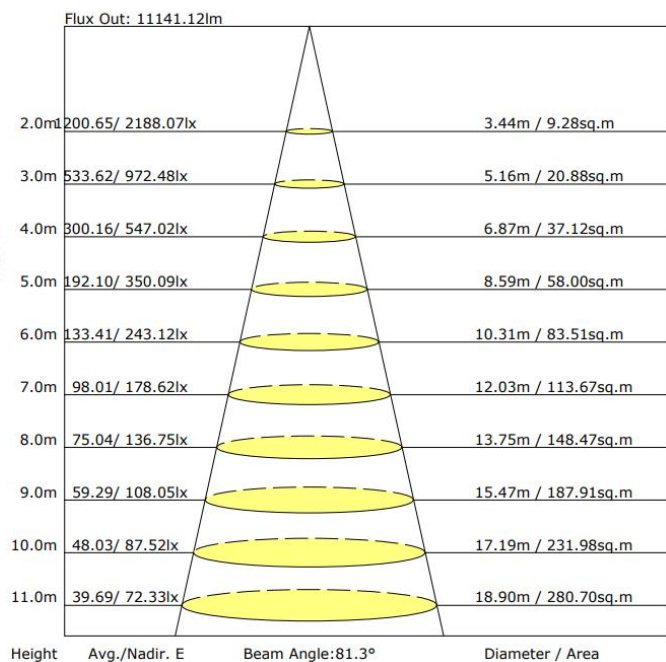
Luminaire Efficacy Rating (LER): 154.30

Max. Intensity: 8797.96 cd

Luminous Intensity Distribution Curve



The Average Illuminance Effective Figure



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 luminaires 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.