SMART ENERGY SOLUTIONS
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P/N:AST-CP3B-150WSASA2-ab

Note:

➢ a = Housing colors, WH=White,
  b=CCT ,40=4000K,45=4500K；
       50=5000K,57=5700K。

ADVANTAGE

➢ UL cUL DLC-V5.1(Premium) certificate.

➢ IP65 driver, input voltage 120-277VAC.

➢ 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 flickering, NO humming.

➢ Green and eco-friendly without mercury.

DIMENSIONS

380±4mm
380±4mm
65±5mm
85±5mm
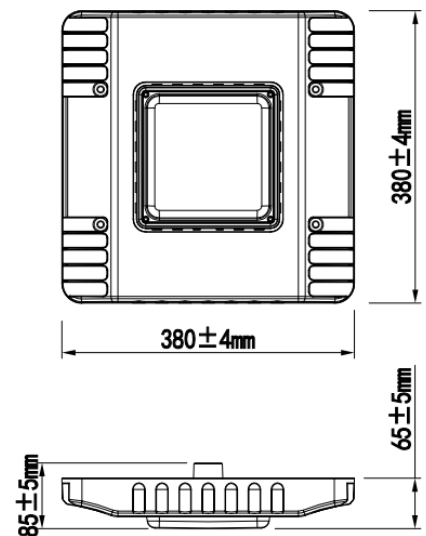
APPLICATION

➢ Widely used in gas station, service station, underground parking lot, warehouse, garage;

SPECIFICATIONS

OPTICAL	Input Power (Tolerance : ±10%)	150W			
	Color Temperature	4000K	4500K	5000K	5700K
	Lumen (Tolerance : -10%)	19367LM	19373LM	19378LM	19383LM
	Efficacy (Tolerance : -3%)	129LM/W	129LM/W	129LM/W	129LM/W
	CRI	>80			
	Color Consistency	＜6 Steps (or ＜6 SDCM)			
	BUG	B3-U3-G3			
	Diffuser Type	Clear Stripe PC			
	Beam Angle (50%) (Tolerance : ±15%)	120 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 Model	SS-150VA-56B			
	Driver Surge protection	L/N-PE: 10kV, L-N: 6kV			
	Dimming	1-10V dimming standard			
MATERIALS	LED Brand	HongLi			
	LED Type	SMD2835 (0.5W)			
	LED QTY	465 PCS			
	Housing	Die-cast aluminum			
	Housing Color	White，or Customized			
	Waterproof Rating	WET（IP65）			
OTHERS	Operating Temperature	-40℃ TO +45℃			
	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

	Size	Qty/ Carton	Lamps Net Weight	Weight/ Carton
Outer box	425 x 420 x 120mm	1 PC	4.7KG	5.5KG

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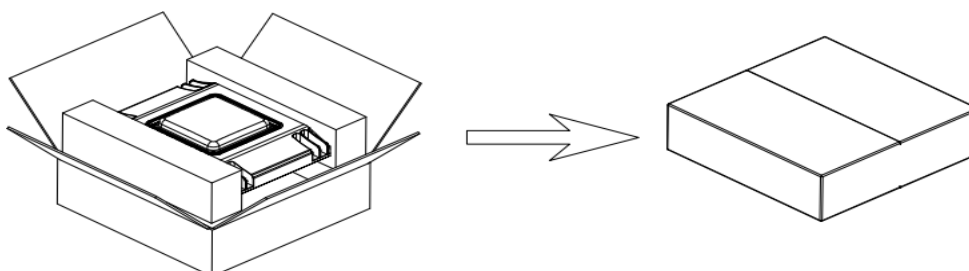
LIGHT DISTRIBUTION TESTING PARAMETERS

Luminaire Property

Luminaire Manufacturer:
Luminaire Category:
Lamp Catalog:
Number of Lamps:
Luminous Length (mm):
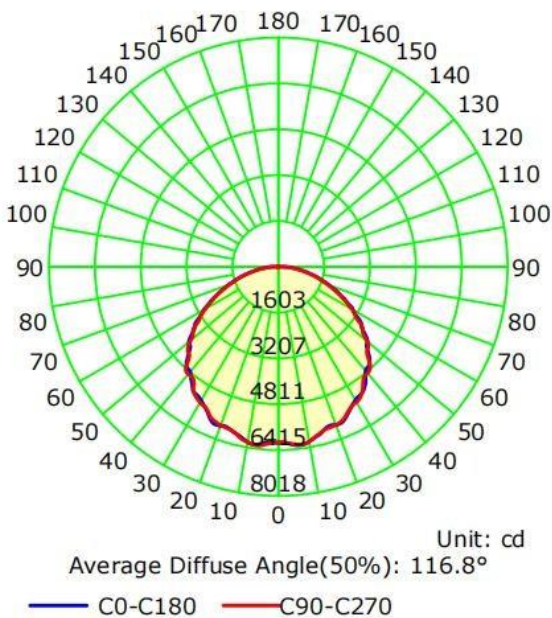Luminous Height (mm):
Current: 1.246 A
Power Factor: 0.998

Luminaire Description:
Lamp Description:
Lumens per Lamp:
Luminous Width (mm):
Voltage: 120.0 V
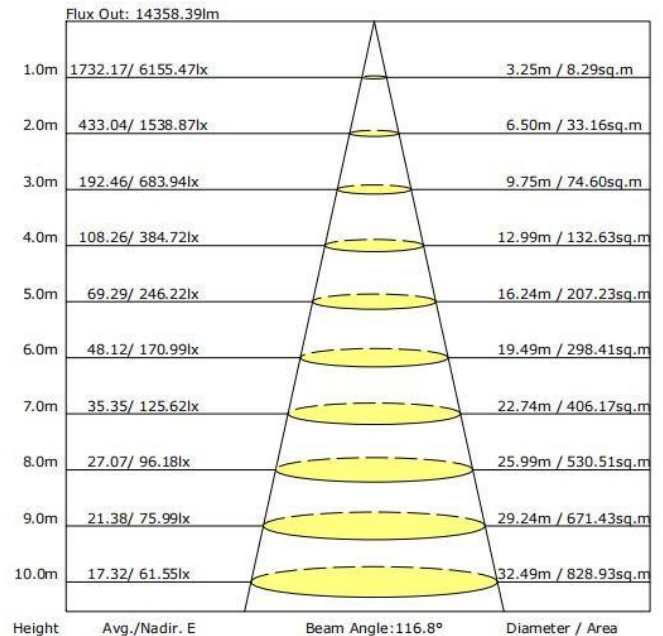Power: 149.19 W

Photometric Results

IES Classification: Type II
Total Rated Lamp Lumens: 19367.6 lm
Efficiency: 100%
Upward Ratio: 1%
C0r0 Intensity: 6155.47 cd
Pos of Max. Intensity: H315 V10

Longitudinal Classification: Very Short
Measurement Flux: 19367.6 lm
Downward Ratio: 99%
Luminaire Efficacy Rating (LER): 129.87
Max. Intensity: 6415.03 cd

Luminous Intensity Distribution Curve

Unit: cd
Average Diffuse Angle(50%): 116.8°

—— C0-C180   —— C90-C270

The Average Illuminance Effective Figure

Flux Out: 14358.39lm

Height	Avg./Nadir. E	Beam Angle:116.8°	Diameter / Area
1.0m	1732.17/ 6155.47lx		3.25m / 8.29sq.m
2.0m	433.04/ 1538.87lx		6.50m / 33.16sq.m
3.0m	192.46/ 683.94lx		9.75m / 74.60sq.m
4.0m	108.26/ 384.72lx		12.99m / 132.63sq.m
5.0m	69.29/ 246.22lx		16.24m / 207.23sq.m
6.0m	48.12/ 170.99lx		19.49m / 298.41sq.m
7.0m	35.35/ 125.62lx		22.74m / 406.17sq.m
8.0m	27.07/ 96.18lx		25.99m / 530.51sq.m
9.0m	21.38/ 75.99lx		29.24m / 671.43sq.m
10.0m	17.32/ 61.55lx		32.49m / 828.93sq.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.