



LED Shoebox Light



Project :

Type :

Part#:

P/N: **INS-SHB81-450WXYZA1-abcdefg**
Detail Specifications:

Note:

INS= Company name;

SHB81= Product series, LED Shoebox Light;

450W = Rating Power;

B = LED manufacturer, Lumileds 2835

T3 = Diffuser light angle type, TYPE ;

D=Color Tunable;

A2= 120-277VAC

"a" can be any two letters to represent lamp colors, BR=Brown, BH=Black, or Customized;

"b" can be "3RP", "3NP", "5RP", "5NP", "7RP" or "7NP" for Photocontrol type provided or blank for no Photocontrol provided;

"c" can be "10SP" or "20SP" for Surge-protective Device type provided or blank for no Surge-Protective Device provided;

"d" can be "DM", "DP" or blank for DC sensor type provided or not;

"e" can be "AM", "DM", "YM", "A&D" or "FM" to represent mounting bracket types;

"f" can be any two digits to represent CCT;

"W" for wattage adjustable



AM



DM



YM

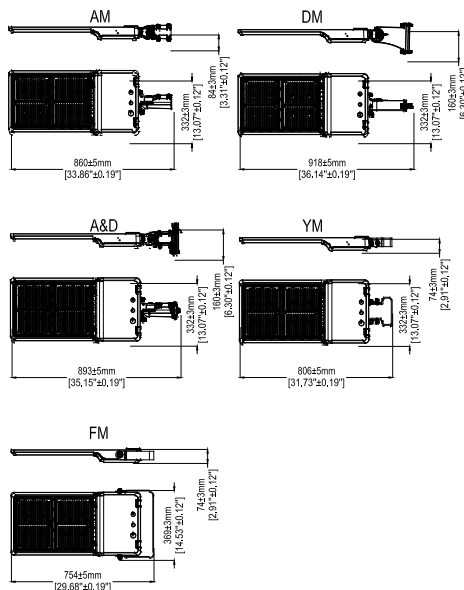


A&D



FM

DIMENSIONS



ADVANTAGE

- UL cUL DLC-V5.1(Premium) certificate.
- 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, safe to eyes;
- Instant start, NO flickering, NO humming;
- Green and eco-friendly without mercury

APPLICATION

- Outdoor basketball court, tennis court;
- Badminton court, the football field;
- The school playground, stadium;
- Outdoor basketball court, tennis court;
- Badminton court, the football field;

LED Linear High Bay Light

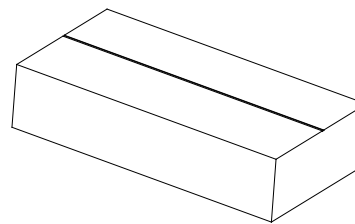
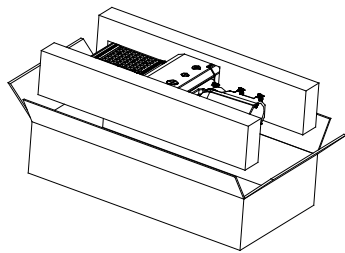
SPECIFICATIONS

OPTICAL	Input Power (Tolerance : ±10%)	450W (Wattage Adjustable Range : 25%-100%)		
	Color Temperature (Color Tunable)	3000K	4000K	5000K
	Lumen (Tolerance : ±10%)	55800LM	63000LM	59850LM
	Efficacy (Tolerance : ±3%)	124 LM/W	140 LM/W	133LM/W
	CRI	>80		
	Color Consistency	<7 Steps (or <7 SDCM)		
	BUG	B5-U0-G5		
	Distribution Pattern	Type III		
	Beam Angle (50%) (Tolerance : ±15%)	155*100 Degree		
ELECTRICAL	Input Voltage and Frequency	120-277VAC, 50/60Hz		
	PF (Tolerance : -3%)	≥0.9		
	THD (Tolerance : +5%)	≤20%		
	Flicker Percent	<5%		
	Driver Brand	SOSNE		
	Driver Model	SS-240NH-E260BH *2		
	Driver Surge protection	L/N- PE: 6kV, L-N: 6kV		
	Dimming	0-10V dimming standard		
	Sensor Type	Occupancy Sensor,Exterior Photocell,Integral Sensor Receptacle		
	Optional Accessory	Photocontrol, Surge-protective Device, DC Motion Microwave sensor,		
MATERIALS	LED Brand	Lumileds		
	LED Type	SMD2835		
	LED QTY	540 PCS*2		
	Housing	Die-cast aluminum		
	Housing Color	Brown, Black, or Customized		
	Waterproof Rating	WET (IP65)		
OTHERS	Operating Temperature	Without Motion Sensor and Emergency Power Supply: -30 °C TO 50 °C		
	Storage Temperature	-40 °C TO 90 °C		
	Operating Humidity	10 °C- 90 °C RH		
	Storage Humidity	5 %- 95 % RH		
	Warranty	5 years		

LED Linear High Bay Light

Bracket Type	Carton Size	Qty / Carton	Net Weight / Carton	Gross Weight / Carton
AM	935*380*143mm	1 PC	7.70kg [16.94 LBS]	8.80kg [19.36 LBS]
DM	[36.81*14.96*5.63	1 PC	7.82kg [17.20 LBS]	8.82kg [19.40 LBS]
A&D	[36.81*14.96*5.63	1 PC	8.42kg [18.52 LBS]	9.40kg [20.68 LBS]
YM	870*380*143mm [34.25*14.96*5.63 inch]	1PC	7.95kg [17.49 LBS]	8.95kg [19.69 LBS]
FM	900*380*143mm [35.43*14.96*5.63 inch]	1PC	7.65kg [16.83 LBS]	8.65kg [19.03 LBS]

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



LIGHT DISTRIBUTION TESTING PARAMETERS < Type III >

Luminaire Property

Luminaire Manufacturer:
Luminaire Category:
Lamp Catalog:
Number of Lamps:
Luminous Length (mm):
Luminous Height (mm):
Current: 3.754 A
Power Factor: 0.999

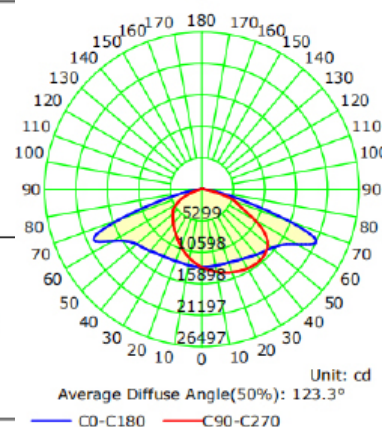
Luminaire Description:
Lamp Description:
Lumens per Lamp:
Luminous Width (mm):
Voltage: 120.0 V
Power: 450.06 W

Photometric Results

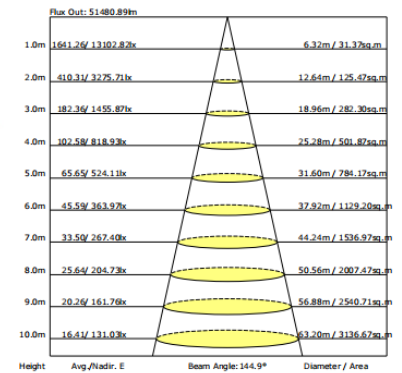
IES Classification: Type III
Total Rated Lamp Lumens: 55959.9 lm
Efficiency: 100%
Upward Ratio: 0%
C0r0 Intensity: 13102.82 cd
Pos of Max. Intensity: H0 V65
Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 144.9, 101.7, 125.9, 133.6

Longitudinal Classification: Short
Measurement Flux: 55959.9 lm
Downward Ratio: 100%
Luminaire Efficacy Rating (LER): 124.39
Max. Intensity: 21197.85 cd

Luminous Intensity Distribution Curve



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.