



# LED Shoebox Light



AM



DM



A&D

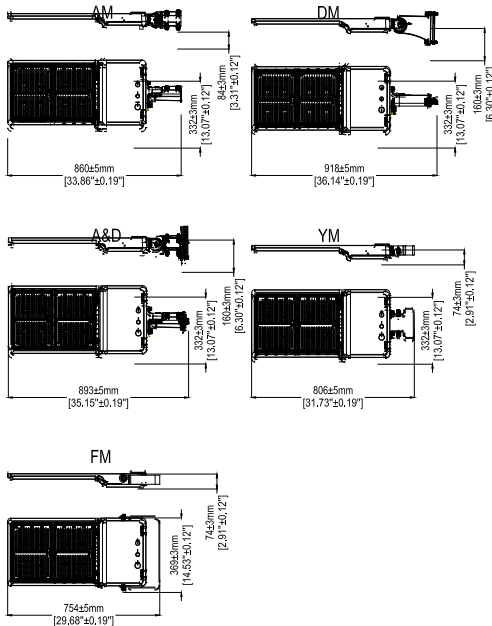


A&D



A&D

## DIMENSIONS



Project :

Type :

Part#:

P/N: INS-SHB81-450WXYZHI-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 III

D=Color Tunable;

H2= 277-480VAC

"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

## ADVANTAGE

- UL cUL DLC-V5.1(Premium) certificate.
- Lumileds Chip, high CRI;
- Input voltage 277-480VAC;
- 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;

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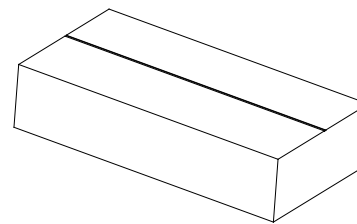
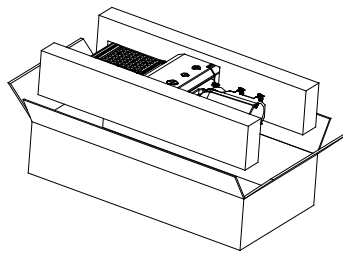
## SPECIFICATIONS

<b>OPTICAL</b>	Input Power (Tolerance : ±10%)	450W (Wattage Adjustable Range:25%-100% )		
	Color Temperature	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		
<b>ELECTRICAL</b>	Input Voltage and Frequency	277-480VAC, 50/60Hz		
	PF (Tolerance : -3%)	≥0.9		
	THD (Tolerance : +5%)	≤20%		
	Flicker Percent	<5%		
	Driver Brand	Fahold		
	Driver Model	RI-V240B-260B12 *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, DC Motion PIR sensor,photocell receptacle,shorting cap		
<b>MATERIALS</b>	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)		
<b>OTHERS</b>	Operating Temperature	Without Motion Sensor: -40 °C TO 45 °C; With Motion Sensor: -35 °C TO 45 °C		
	Storage Temperature	-40 °C TO 75 °C		
	Operating Humidity	10%- 90% RH		
	Storage Humidity	5 %- 95 % RH		
	Warranty	5 years		

# LED Shoebox Light

Bracket Type	Carton Size	Qty / Carton	Net Weight / Carton	Gross Weight / Carton
AM	935*380*143mm [36.81*14.96*5.63 inch]	1 PC	7.70kg [16.94 LBS]	8.80kg [19.36 LBS]
DM		1 PC	7.82kg [17.20 LBS]	8.82kg [19.40 LBS]
A&D		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: 1.639 A  
Power Factor: 0.998

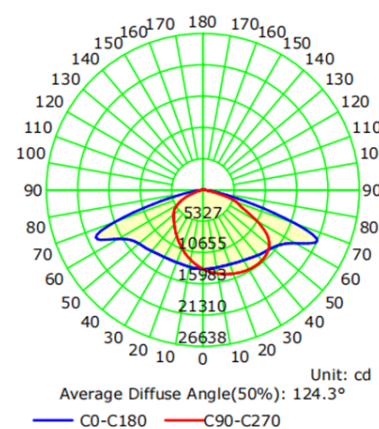
Luminaire Description:  
Lamp Description:  
Lumens per Lamp:  
Luminous Width (mm):  
Voltage: 277.0 V  
Power: 453.05 W

### Photometric Results

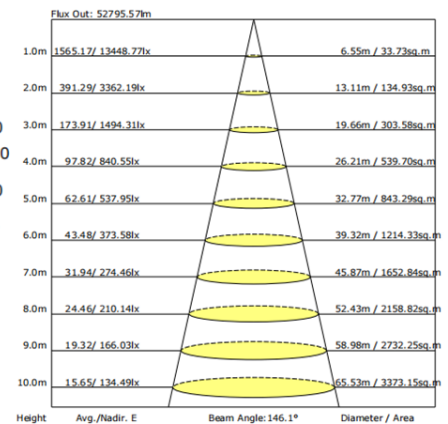
IES Classification: Type III  
Total Rated Lamp Lumens: 57080.8 lm  
Efficiency: 100%  
Upward Ratio: 0%  
C0r0 Intensity: 13448.77 cd  
Pos of Max. Intensity: H0 V66  
Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 146.1, 102.6, 126.8, 134.6

Longitudinal Classification: Short  
Measurement Flux: 57080.8 lm  
Downward Ratio: 100%  
Luminaire Efficacy Rating (LER): 126.04  
Max. Intensity: 21310.95 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.