



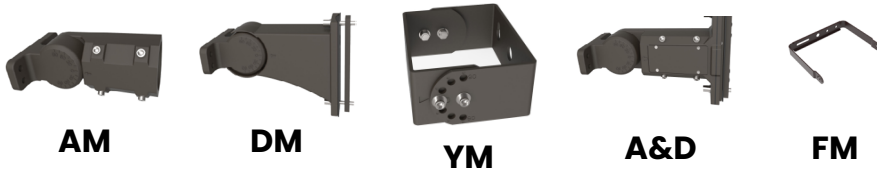
Project :

Type :

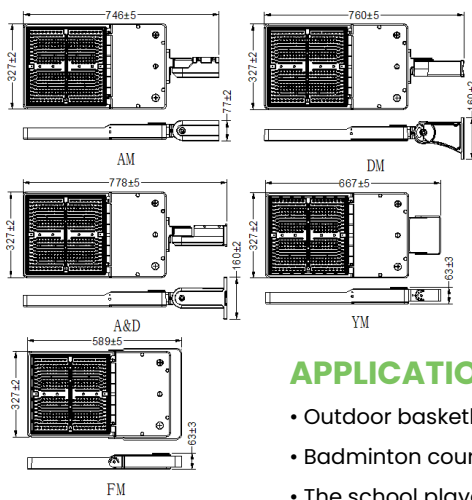
Part#:

LED FLOOD LIGHT

P/N: INS-SHBX31-300NXYZA1-abcdefg



DIMENSIONS



APPLICATION

- Outdoor basketball court, tennis court.
- Badminton court, the football field.
- The school playground, stadium.
- Community leisure entertainment plaza,
- road lamp etc.

Note:

- "INS" is the company name;
- "SHBX31" is a 13 series led flood light.
- "300" is the input wattage;
- "DI" is the LED Driver manufacture of Daermay;
- "J" is the LED manufacture of Bridgelux;
- "T3 " is the lens type, TYPE 3 lens;
- "D" for CCT tunable (CCT Switch provided);
- "A1" is the version type;
- "a" can be any two letters for lamp colors; BR=Brown, BH=Black, or Customized;
- "b" can be "10SP" or "20SP" for Surge-Protective Device type provided or blank for no Surge-Protective Device provided;
- "c" can be "3RP", "3NP", "3RT", "3NT", "5RP", "5NP", "5RT", "5NT", "7RP", "7NP", "7RT" or "7NT" for Photocontrol type provided or blank for no Photocontrol provided;
- "d" can be "M"= Motion Microwave sensor, "R"= Motion PIR sensor, "Z"=DC Sensor Receptacle provided, blank= not provided;
- "e" can be "AM", "DM", "YM", "A&D" or "FM"for Mounting Bracket type;
- "f" can be any digits for CCT; such as 30=3000K, 40=4000K, 50=5000K, this is the CCT at the factory setting.
- "W" for wattage adjustable.

ADVANTAGE

- UL cUL DLC-V5.1(Premium) certificate.
- Bridgelux 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 humming.
- Green and eco-friendly without mercury.
- Color tunable and wattage adjustable.

LED FLOOD LIGHT SPECIFICATIONS

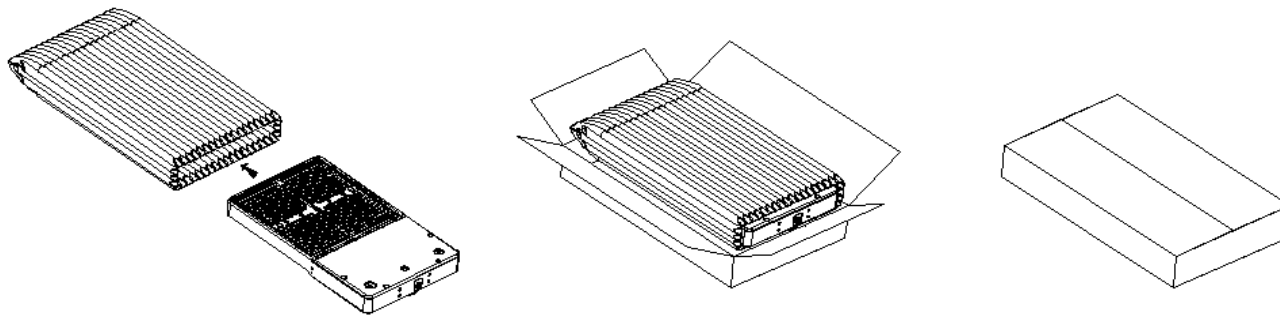
OPTICAL	Input Power (Tolerance : ±10%)	300W (10%-100%Wattage selectable)		
	Color Temperature (Color tunable)	3000K	4000K	5000K
	Lumen (Tolerance : -10%)	38097 LM	39386 LM	39676 LM
	Efficacy (Tolerance : -3%)	133 LM/W	143 LM/W	138 LM/W
	CRI	>70		
	BUG	B4-U0-G4		
	Distribution Pattern	Type III		
	Beam Angle (50%) (Tolerance : ±15%)	150*100 Degree		
ELECTRICAL	Input Voltage and Frequency	120-277VAC, 50/60Hz		
	PF (Tolerance : -3%)	≥0.9		
	THD (Tolerance : +5%)	≤20%		
	Flicker Percent	<64%		
	Driver Brand	Daermay		
	Driver Model	MP-150T130A*2		
	Driver Surge protection	L/N-PE: 3kV, L-N: 6kV		
	Dimming	0-10V dimming standard		
	Optional Accessory	Photocontrol, Surge-protective Device, Motion Sensor		
MATERIALS	LED Brand	Bridgelux		
	LED Type	SMD3030		
	LED QTY	272*2 PCS		
	Housing	Die-cast aluminum		
	Housing Color	Any Colors		
	EPA	2.51 ft ²		
	Waterproof Rating	WET (IP65)		
OTHERS	Operating Temperature	-30°C TO 50°C		
	Storage Temperature	-40°C TO 85°C		
	Operating Humidity	20% - 90% RH		
	Storage Humidity	20% - 90% RH		
	Warranty	5 years warranty with 24/7 operating hours Luminaire lifetime at 25 °C.		

LED FLOOD LIGHT

PACKAGE

Bracket Type	Carton Size	Qty / Carton	Net Weight / Carton	Gross Weight / Carton
AM	800*380*130 mm	1 PC	7.4 Kg	8.4 Kg
DM	810*380*200 mm	1 PC	7.8 Kg	8.8 Kg
YM	730*380*120 mm	1 PC	6.6 Kg	7.6 Kg
A&D	830*380*200 mm	1 PC	8.2 Kg	9.2 Kg
FM	640*400*120 mm	1 PC	7.0 Kg	8.0 Kg

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: 2.387 A
Power Factor: 0.993

Luminaire Description:
Lamp Description:
Lumens per Lamp:
Luminous Width (mm):
Voltage: 120.0 V
Power: 286.45 W

Photometric Results

IES Classification: Type IV
Total Rated Lamp Lumens: 38097.9 lm
Efficiency: 100%
Upward Ratio: 0%
C0r0 Intensity: 8276.1 cd
Pos of Max. Intensity: H157.5 V71

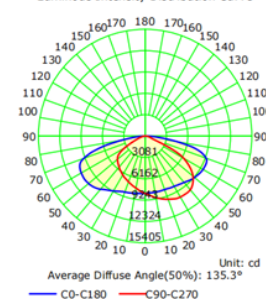
Longitudinal Classification: Medium
Measurement Flux: 38097.9 lm
Downward Ratio: 100%
Luminaire Efficacy Rating (LER): 133.05
Max. Intensity: 12324.61 cd

Photometric Results

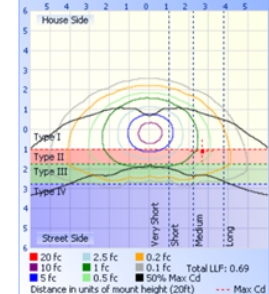
IES Classification: Type IV
Total Rated Lamp Lumens: 38097.9 lm
Efficiency: 100%
Upward Ratio: 0%
C0r0 Intensity: 8276.1 cd
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Luminous Intensity Distribution Curve



Isofootcandle Plot



LED FLOOD LIGHT

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.