



Project :

Type :

Part#:

LED Flood Light

P/N: INS-LFL91-80WBH8DA1-abcdeWg

Note:

INS = Company name

FL19 = Product series, LED Flood Light

80W = Rating Power

B = LED manufacturer, Lumileds 2835

H8 = Diffuser light angle type, 7H7V

D = Double color temperature

A2 = Version number

"a" can be any two letters for lamp colors;

"b" can be "P" or blank for photocontrol type provided or not;

"c" can be "10SP", "20SP" or blank for Surge protector type provided or not;

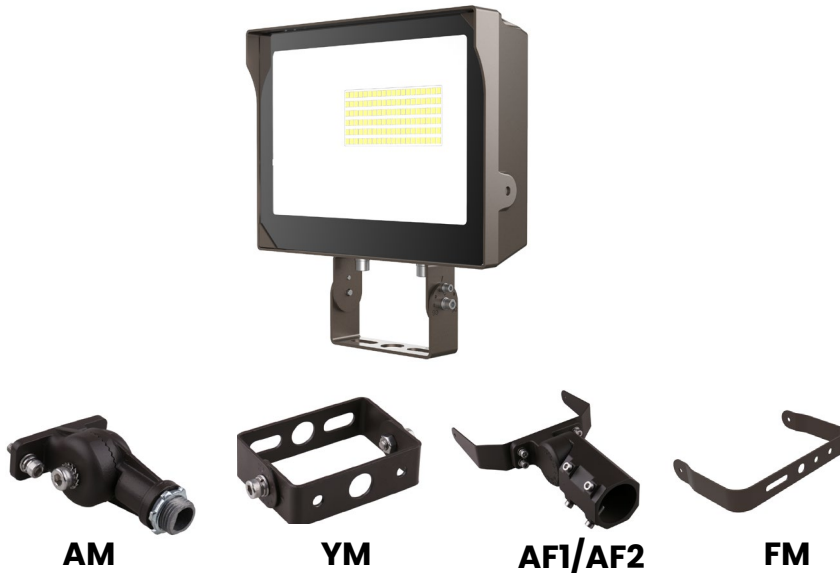
"d" can be "M" or blank for sensor type provided or not;

"e" can be "AM", "YM", "AF1", "AF2" or "FM", for bracket type;

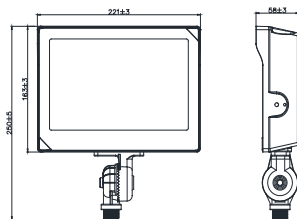
"W" for dimming module provided;

"g" can be any numbers for

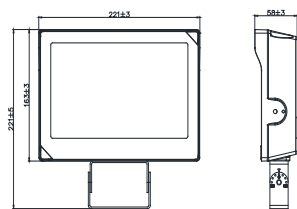
CCT.30/40/50=3000K/4000K/5000K



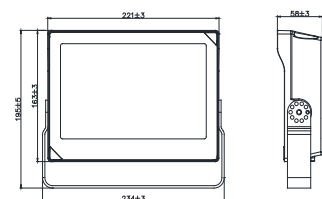
DIMENSIONS



AM



YM



FM

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.

APPLICATION

- Outdoor basketball court, tennis court.
- Badminton court, the football field.
- The school playground, stadium.
- Community leisure entertainment plaza,
- Warehouse, factory and workshops;
- Highway toll station;
- Meeting room, exhibition hall;
- Gymnasium and supermarkets, etc. plaza



256-801-9825

LED Flood Light

SPECIFICATIONS

OPTICAL	Input Power (Tolerance : ±10%)	80W(Wattage adjustable range 95%-30%)		
	Color Temperature (Color Tunable)	3000K	4000K	5000K
	Lumen (Tolerance : -10%)	10000 LM	11200 LM	10800LM
	Efficacy (Tolerance : -3%)	125 LM/W	140 LM/W	135 LM/W
	CRI	>80		
	Color Consistency	<7 Steps (or 7 SDCM)		
	BUG	B3-U0-G1		
	Distribution Pattern	Clear Tempered Glass		
	Beam Angle (10%) (Tolerance : ±15%)	115*100		
ELECTRICAL	Input Voltage and Frequency	120-277VAC,50/60Hz		
	PF (Tolerance : -3%)	≥0.9		
	THD (Tolerance : +5%)	≤20%		
	Flicker Percent	<80%		
	Driver Brand	BECKY		
	Driver Model	BQE80A-130-PVF-PS		
	Driver Surge protection	L/N-PE: 6.0kV, L-N: 4.0kV		
	Dimming	0-10V dimming standard		
	Optional Accessory	Surge protector Photocontrol		
MATERIALS	LED Brand	Lumileds		
	LED Type	SMD2835		
	LED QTY	120*2 PCS		
	Housing	Die-cast aluminum		
	Housing Color	Brown, Black, or Customized		
	EPA	0.42 ft ²		
OTHERS	Waterproof Rating	WET (IP65)		
	Operating Temperature	-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 warranty with 24/7 operating hours Luminaire lifetime at 25°C.		

LED Flood Light

PACKAGE

Bracket Type	Carton Size	Qty / Carton	Net Weight / pcs	Gross Weight / Carton
AM	545*395*330mm	10 PCS	1.7KG	18KG
YM	545*395*330mm	10 PCS	1.7KG	18KG
FM	565*395*265mm	10 PCS	1.82KG	19.2KG

Tolerance of Carton Size: ±15 MM, Tolerance of Weight: ±10%.

LIGHT DISTRIBUTION TESTING PARAMETERS

Luminaire Property

Luminaire Manufacturer:
 Luminaire Category: LED Flood Light
 Lamp Catalog: 7H7V
 Number of Lamps: 240 pcs
 Luminous Length (mm): 226 mm
 Luminous Height (mm):
 Current: 0.732 A
 Power Factor: 0.993

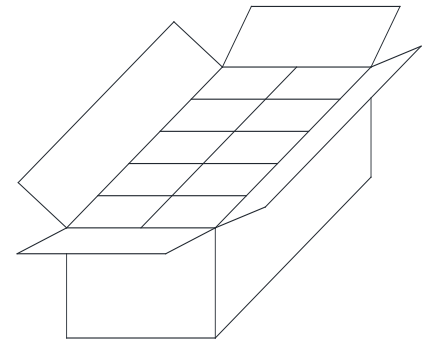
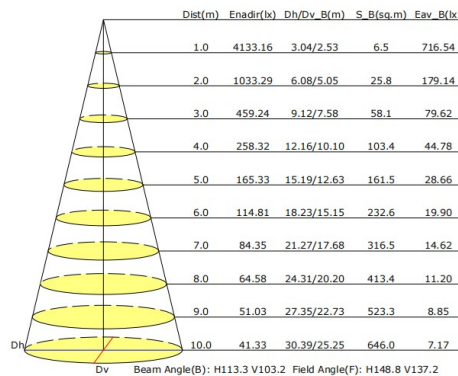
Luminaire Description: FL19
 Lamp Description: Lumileds 2835
 Lumens per Lamp: 10682.3 lm
 Luminous Width (mm): 146 mm
 Voltage: 120.0 V
 Power: 81.70 W

Photometric Results

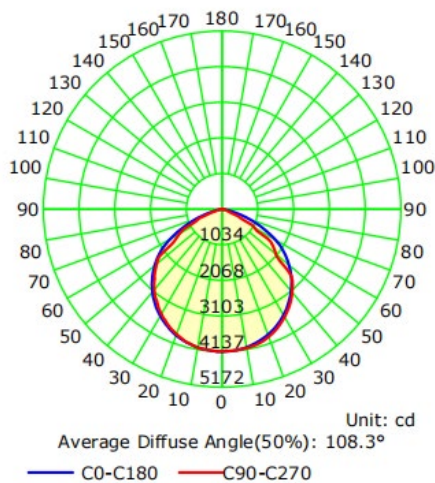
IES Classification: Type II
 Total Rated Lamp Lumens: 10682.3 lm
 Efficiency: 100%
 Upward Ratio: 0%
 CDR0 Intensity: 4133.16 cd
 Pos of Max. Intensity: H202.5 V1
 Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 113.3, 103.2, 112.1, 111.0

Longitudinal Classification: Very Short
 Measurement Flux: 10682.3 lm
 Downward Ratio: 100%
 Luminaire Efficacy Rating (LER): 130.80
 Max. Intensity: 4137.69 cd

Illuminance at a Distance



Luminous Intensity Distribution Curve





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LED Flood Light

NOTICE FOR USER

- Please turn off power before install or change assembly parts
- The input voltage and luminaire should be matched, after connecting the power line, Please make sure the wiring section is insulated.
- No-professionals, must not install and disassemble the luminaire

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.	345*300*345 mm

Wattage adjustable instruction

Turn the wattage adjustable knob to a certain wattage gear, the power of the lamp will change to the corresponding wattage.

Wattage adjustable range 30%-95%.

Note: Please turn off the power before adjusting the wattage.