Inergy Solutions

LED Flood Light

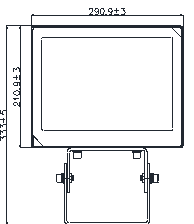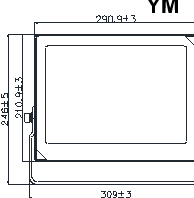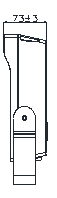AM   YM   AM3   FM

DIMENSIONS

AM

YM

FM
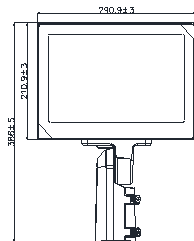
P/N: INS-LFL91-150WBH8DA1-abcdeWg

Note:

INS = Company name

FL19 = Product series, LED Flood Light

150W = Rating Power

B = LED manufacturer, Lumileds 2835

H8= Diffuser light angle type,7H7V

D = Double color temperature

A1 = 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","AM2","AM3", "DM", "YM", "A&DM","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

ADVANTAGE

• UL cUL 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
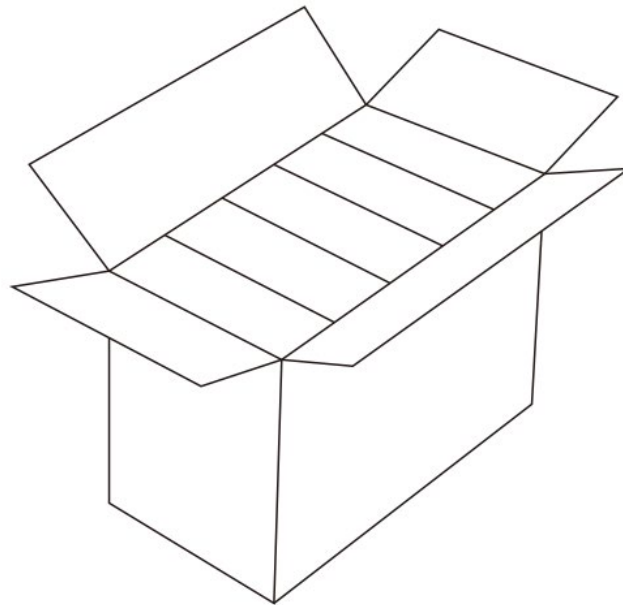
LED Flood Light

SPECIFICATIONS

OPTICAL	Input Power (Tolerance : ±10%)	150W(Wattage adjustable range 95%-30%)		
	Color Temperature(Color Tunable)	3000K	4000K	5000K
	Lumen (Tolerance : ±10%)	19500 LM	21750 LM	21000LM
	Efficacy (Tolerance : ±3%)	130 LM/W	145 LM/W	140 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	<55%		
	Driver Brand	BECKY		
	Driver Model	BQE155C-130-PVF-PS		
	Driver Surge protection	L/N-PE: 2.0kV, L-N: 2.0kV		
	Dimming	0-10V dimming standard		
	Optional Accessory	Surge protector Photocontrol,DC Microware Motion Sensor		
MATERIALS	LED Brand	Lumileds		
	LED Type	SMD2835		
	LED QTY	240*2 PCS		
	Housing	Die-cast aluminum		
	Housing Color	Brown, Black, or Customized		
	EPA	0.6 ft²		
OTHERS	Waterproof Rating	WET (IP65)		
	Operating Temperature	-30ºC TO 50ºC		
	Storage Temperature	-40ºC TO 80ºC		
	Operating Humidity	20% - 90% RH		
	Storage Humidity	10% - 95% RH		
	Warranty	5 years warranty		

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PACKAGE

Bracket Type	Carton Size	Qty / Carton	Net Weight / pcs	Gross Weight / Carton
AM	495*447*363mm	5 PCS	4.8KG	26KG
YM	495*447*363mm	5 PCS	4.3KG	23.5KG
FM	470*360*310mm	5 PCS	4.0KG	21.5KG

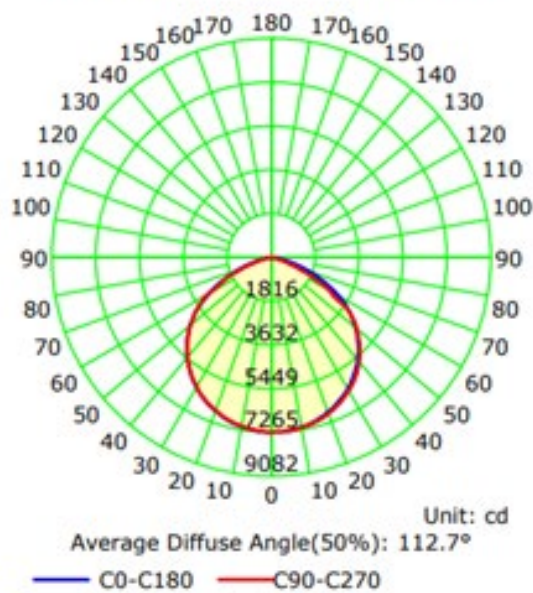Tolerance of Carton Size: ±15 MM, Tolerance of Weight: ±10%.

LED Flood Light

Luminaire Property

Luminaire Manufacturer:
Luminaire Category:
Lamp Catalog:
Number of Lamps:
Luminous Length (mm):
Luminous Height (mm):
Current: 1.260 A
Power Factor: 0.994

Luminaire Description:
Lamp Description:
Lumens per Lamp:
Luminous Width (mm):
Voltage: 120.0 V
Power: 150.26 W

Photometric Results

IES Classification: Type II
Total Rated Lamp Lumens: 19591.7 lm
Efficiency: 100%
Upward Ratio: 0%
C0r0 Intensity: 7249.07 cd
Pos of Max. Intensity: H157.5 V2
Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 113.2, 112.3, 114.5, 114.4

Longitudinal Classification: Very Short
Measurement Flux: 19591.7 lm
Downward Ratio: 100%
Luminaire Efficacy Rating (LER): 130.44
Max. Intensity: 7265.76 cd

Luminous Intensity Distribution Curve

Unit: cd
Average Diffuse Angle(50%): 112.7°

— C0-C180   — C90-C270

Illuminance at a Distance

Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
10.0	72.49	30.31/29.80	735.9	11.66
20.0	18.12	60.61/59.60	2943.4	2.92
30.0	8.05	90.92/89.40	6622.7	1.30
40.0	4.53	121.22/119.20	11773.8	0.73
50.0	2.90	151.53/149.00	18396.5	0.47

Beam Angle(B): H113.2 V112.3 Field Angle(F): H150.3 V142.7
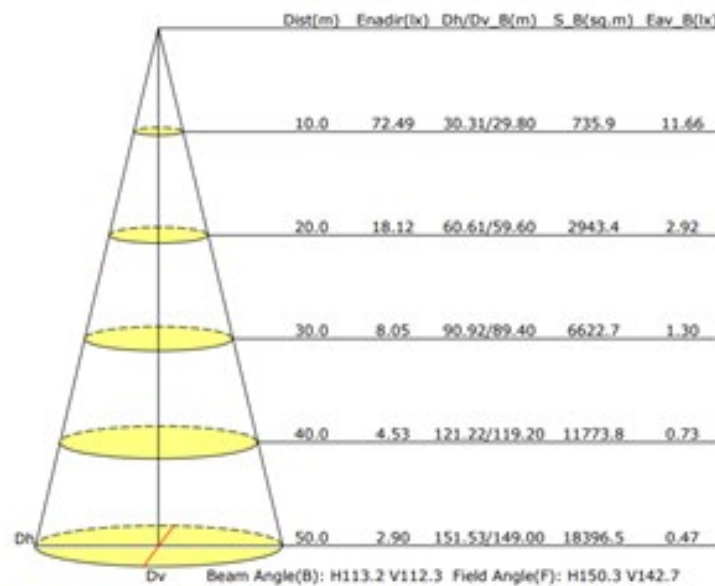
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NOTICE FOR USER

■ 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.