



SMART ENERGY SOLUTIONS
E-mail: sales@smartlednc.com

P/N: WSL-FL09-240WBT1B1-abcd

Note:

WSL= Company name

FL09 = Product series, LED Flood Light

240W = Rating Power

B = LED manufacturer, for Lumileds 3030

T1= Diffuser light angle type, for 90°

B1 = Version number

“a” can be any two letters to represent lamp colors; Such as: BH=Black

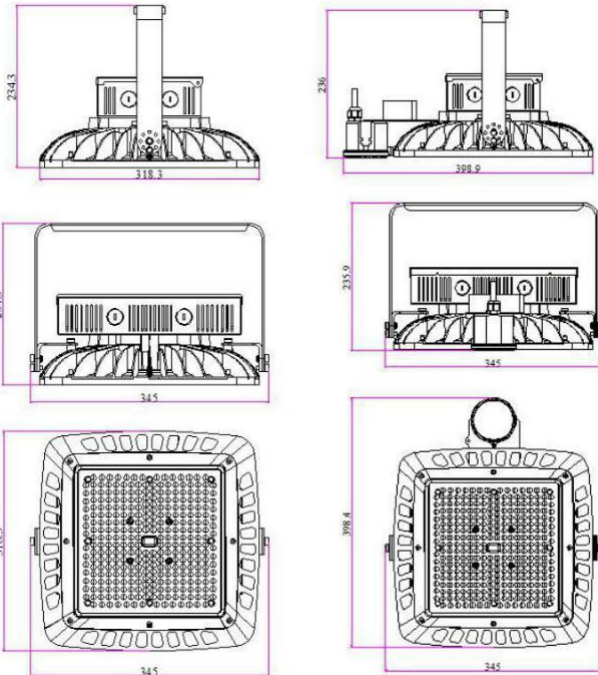
“b” can be “S” or blank for Surge-Protective Device provided or not;

“c” can be “M” or blank for Motion Sensor provided or not;

“d” can be any two digits to represent CCT.



DIMENSIONS



ADVANTAGE

- UL cUL DLC certificate.
- IP65 driver, input voltage 100-277VAC.
- 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

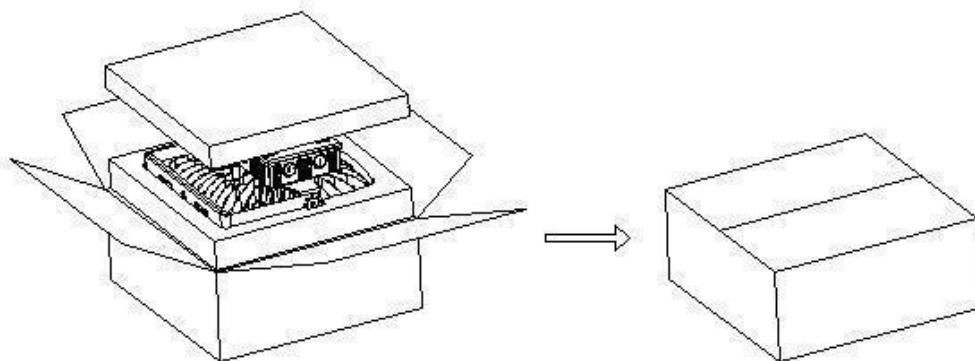
- Outdoor basketball court, tennis court.
- Badminton court, the football field.
- The school playground, stadium.
- Community leisure entertainment plaza,
- Warehouse, factory and workshops;
- Highway toll station;
- Meeting room, exhibition hall;
- Gymnasium and supermarkets, etc.
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SPECIFICATIONS

OPTICAL	Input Power	240W
	Cover	LENS
	Lumen	30000-32500LM
	Viewing Angle	90°
	Color Temperature	4000K, 4500K, 5000K, 5700K
	CRI	>70
ELECTRICAL	Input Voltage	100-277VAC 50/60Hz
	PF	≥0.9
	THD	≤20%
	Driver Model	Mean Well HLG-240H-48AB
	Optional Accessory	Motion Sensor\ Surge protector
MATERIALS	LED Type	SMD3030 (1W)
	LED Brand	Lumileds 3030
	LED QTY	245 PCS
	Housing	Aluminum Alloy
	Housing Color	Any Colors
	Waterproof Rating	WET (IP65) /DAMP (for sensor IP64)
OTHERS	Operating Temperature	-40°C TO 50°C
	Operating Humidity	10%-90% RH
	Storage Temperature	-40°C TO 80°C
	Storage Humidity	10%-95% RH
	Warranty Time	5 Years Limited Warranty

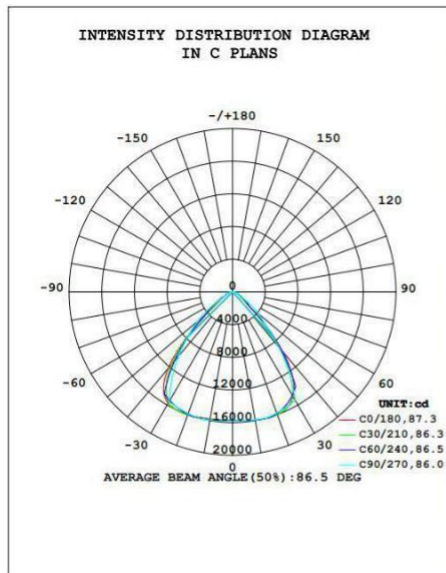
PACKAGE

	Size	Qty / Carton	Net Weight / Carton	Gross Weight / Carton
Outer box	425*405*190mm	1 PC	6.38KG	7.18KG



LIGHT DISTRIBUTION TESTING PARAMETERS

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL		Imax (cd)	16082	η street_up (%)	0.0
NOMINAL POWER (W)	240	LOR (%)	100.0	η street_down (%)	48.6
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	30151	η house_up (%)	0.0
NOMINAL FLUX (lm)	30151.5	MAXIMUM @ (C, γ)	220, 22.5	η house_down (%)	51.4
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	0.05000
TEST VOLTAGE (V)	120	η down (%)	100.0	SLI	20.211



	Illuminance at a Distance	
	Center Beam fc	Beam Width
17.0ft	56.5 fc	33.2 ft 30.4 ft
34.0ft	14.1 fc	66.4 ft 60.7 ft
51.0ft	6.28 fc	99.7 ft 91.1 ft
68.0ft	3.53 fc	132.9 ft 121.5 ft
85.0ft	2.26 fc	166.1 ft 151.8 ft
102.0ft	1.57 fc	199.3 ft 182.2 ft

■ Vert. Spread: 88.7°
■ Horiz. Spread: 83.5°

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.