



**GREENTEK ENERGY SYSTEMS, LLC**  
www.greentekes.com



**AM**



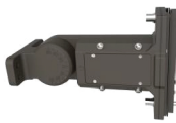
**DM**



**YM**



**TR**

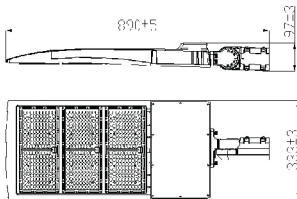


**UB**

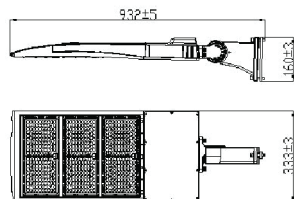


**FM**

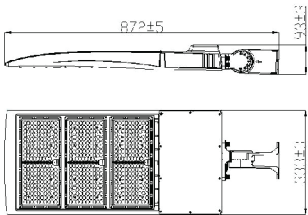
## DIMENSIONS



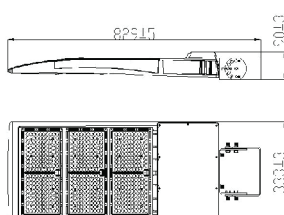
**AM**



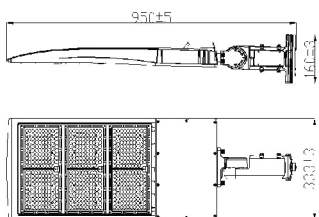
**DM**



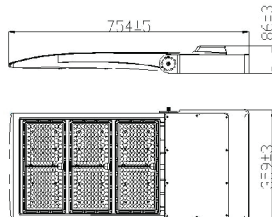
**YM**



**TR**



**UB**



**FM**

## P/N: GT-G07-N-450WB3-abcdeg

Note:

GT=Company name

G07=Product series,LED Shoebox Light

N=LED driver type;

450W=wattage;

B=LED chips brand,Lumileds LED;

3=Diffuser light angle type,3=TYPE III

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

"b" can be "3RP", "P", "5RP", "5NP", "7RP", "7NP" or blank for photocontrol type provided or not;

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

"d" can be "DM", "DP", "Z", "ZM", "ZP" or blank for DC sensor type provided or not;

"e" can be "AM", "DM", "YM", "TR", "UB", "FM" for bracket type;

"g" can be any digits for CCT,such as

30=3000K,35=3500K,40=4000K,45=4500K,50=5000K,57=5700K

## ADVANTAGE

- UL DLC certificate
- Lumileds Chip, high CRI;
- Input voltage 120-277VAC;
- Output constant current lever can be; adjusted through output cable with 1-10V;
- 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;
- Community leisure entertainment plaza, road lamp etc;

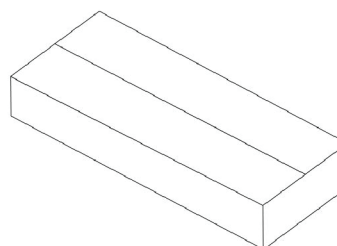
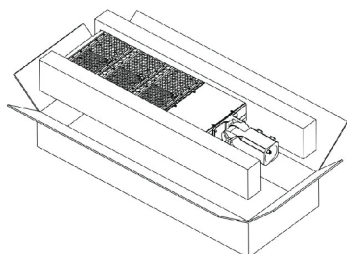
## SPECIFICATIONS

<b>OPTICAL</b>	Input Power (Tolerance : $\pm 10\%$ )	450W
	Color Temperature	3000K    3500K    4000K    4500K    5000K    5700K
	Lumen (Tolerance : $\pm 10\%$ )	56744LM    58263LM    58882LM    59501LM    60120LM    60739LM
	Efficacy (Tolerance : $\pm 3\%$ )	127LM/W    129LM/W    130LM/W    131/W    133LM/W    134LM/W
	CRI	>80
	Color Consistency	<6 Steps (or <6 SDCM)
	BUG	B5-U0-G5
	Distribution Pattern	Type III
Beam Angle (50%) (Tolerance : $\pm 15\%$ )	150*95 Degree	
<b>ELECTRICAL</b>	Input Voltage and Frequency	120-277VAC, 50/60Hz
	PF (Tolerance : -3%)	$\geq 0.9$
	THD (Tolerance : +5%)	$\leq 20\%$
	Flicker Percent	<5%
	Driver Brand	LIFUD
	Driver Model	LF-FAA240 double
	Driver Surge protection	L/N-PE: 6kV, L-N: 6kV
	Dimming	1-10V 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	552 PCS
	Housing	Die-cast aluminum
	Housing Color	Brown, Black, or Customized
	EPA	2.8 ft <sup>2</sup>
	Waterproof Rating	WET (IP65)
<b>OTHERS</b>	Operating Temperature	-40°C TO 45°C; With Motion Sensor: -30°C TO 45°C
	Storage Temperature	-40°C TO 80°C
	Operating Humidity	5% - 95% RH
	Storage Humidity	5% - 95% RH
	Warranty	5 years

## PACKAGE

Bracket Type	Carton Size	Qty / Carton	Net Weight / Carton	Gross Weight / Carton
AM	975*395*163MM	1 PC	9.12kg	10.5kg
DM	975*395*163MM	1 PC	8.72kg	10.1kg
YM	975*395*163MM	1 PC	8.82kg	10.2kg
TR	905*395*163MM	1 PC	8.52kg	9.9kg
UB	975*395*163MM	1 PC	9.37kg	10.75kg
FM	905*395*163MM	1 PC	8.92kg	10.3kg

Tolerance of Carton Size:  $\pm 15$  MM, Tolerance of Weight:  $\pm 10\%$ .



## LIGHT DISTRIBUTION TESTING PARAMETERS < Type III >

### Luminaire Property

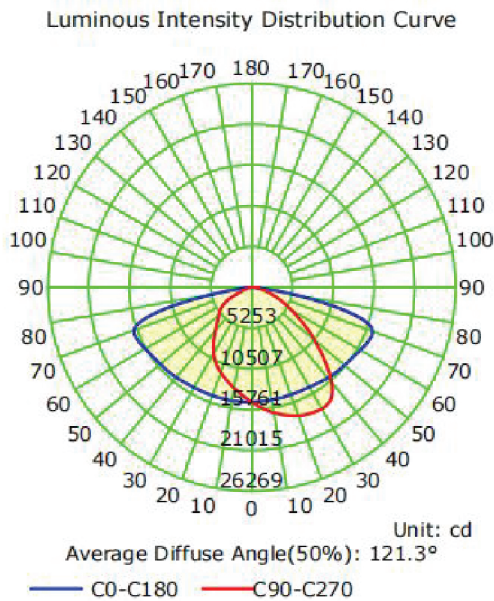
Luminaire Manufacturer:  
 Luminaire Category:  
 Lamp Catalog:  
 Number of Lamps:  
 Luminous Length (mm):  
 Luminous Height (mm):  
 Current: 3.775 A  
 Power Factor: 0.998

Luminaire Description:  
 Lamp Description:  
 Lumens per Lamp:  
 Luminous Width (mm):  
 Voltage: 120.0 V  
 Power: 452.06 W

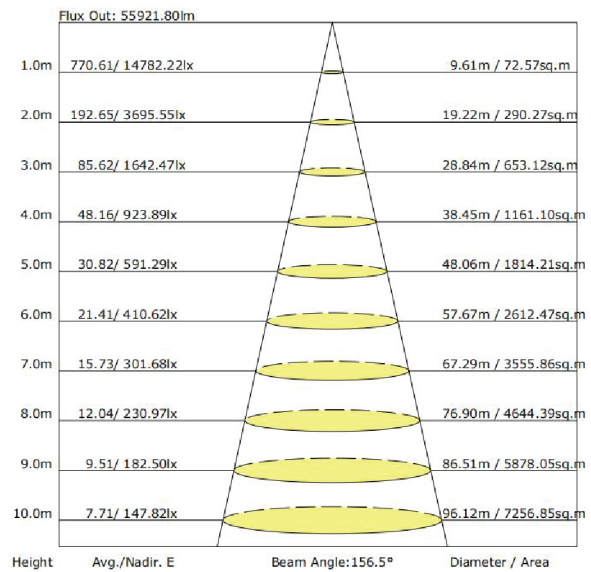
### Photometric Results

IES Classification: Type III  
 Total Rated Lamp Lumens: 57644.7 lm  
 Efficiency: 100%  
 Upward Ratio: 0%  
 C0r0 Intensity: 14782.22 cd  
 Pos of Max. Intensity: H22.5 V68  
 Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 156.5, 86.2, 109.4, 109.3

Longitudinal Classification: Medium  
 Measurement Flux: 57644.7 lm  
 Downward Ratio: 100%  
 Luminaire Efficacy Rating (LER): 127.57  
 Max. Intensity: 21015.62 cd



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.