



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

P/N: GT-FL4-300W-N-DLhbdB3-age

Note:

GT = Company name

FL4 = Product series, LED Flood Light

300W = Rating Power;

N=LED driver type;

DL=Dimming Driver AC120-277V

“h” can be “S”, “20SP” or blank for Surge protector type provided or not;

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

“d” can be “DP” or blank for DC Photocell provided or not;

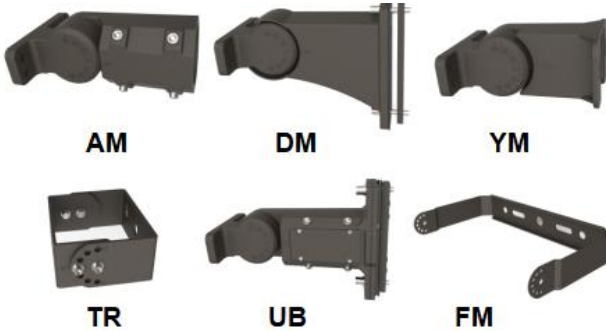
“B” represents LED manufactory Lumileds;

“3” represents Diffuser light angle type employed, Type III

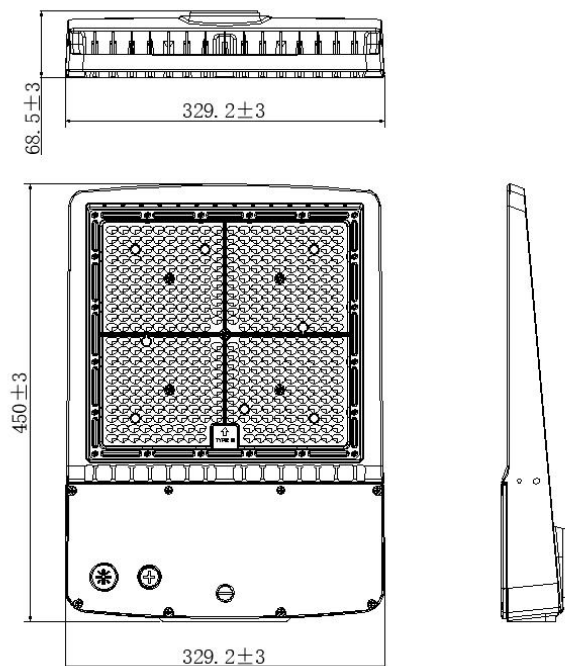
“a” can be Any two letters for lamp colors;

“g” can be “XXK” for CCT,such as 40K=4000K, 50K=5000K, 57K=5700K.

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



## DIMENSIONS



## ADVANTAGE

- UL DLC-V5.1(Premium) certificate;
- Lumileds 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 flickering, NO humming;

## APPLICATION

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

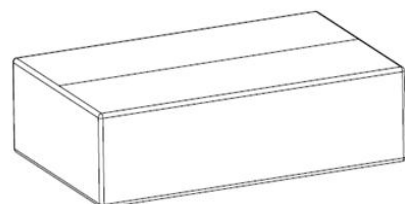
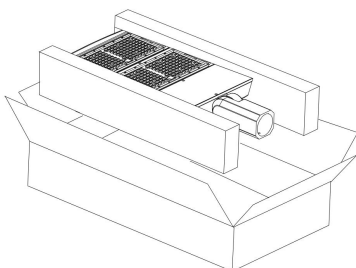
## SPECIFICATIONS

<b>OPTICAL</b>	Input Power (Tolerance : $\pm 10\%$ )	300W
	Color Temperature	4000K,5000K,5700K
	Lumen (Tolerance : -10%)	40500-43500LM
	Efficacy (Tolerance : -3%)	135-145 LM/W
	CRI	>80
	Color Consistency	<6 Steps (or <6 SDCM)
	BUG	B4-U3-G4
	Distribution Pattern	Type III (Optional: TYPE IV and TYPE V)
Beam Angle (50%) (Tolerance : $\pm 15\%$ )	155*90 Degree Type III	
<b>ELECTRICAL</b>	Input Voltage and Frequency	120-277VAC, 50/60Hz
	PF (Tolerance : -3%)	$\geq 0.9$
	THD (Tolerance : +5%)	$\leq 20\%$
	Flicker Percent	<40%
	Driver Brand	HBE
	Driver Model	HB-PM150W-450V*2
	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, photocell receptacle, shorting cap
<b>MATERIALS</b>	LED Brand	Lumileds
	LED Type	SMD2835
	LED QTY	212*2 PCS
	Housing	Die-cast aluminum
	Housing Color	Brown, Black, or Customized
	EPA	1.8 ft <sup>2</sup>
	Waterproof Rating	WET (IP65)
<b>OTHERS</b>	Operating Temperature	Without Motion Sensor: -35°C TO 50°C; With Motion Sensor: -30°C TO 50°C
	Storage Temperature	-25°C TO 85°C
	Operating Humidity	5% - 95% RH
	Storage Humidity	5% - 95% RH
	Warranty	5 years warranty

## PACKAGE

Bracket Type	Carton Size	Qty / Carton	Net Weight / Carton	Gross Weight / Carton
AM	700*375*143mm	1 PCS	4.6Kg	5.8Kg
DM	700*375*143mm	1 PCS	5.4Kg	6.6Kg
YM	630*375*143mm	1 PCS	4.5Kg	6.7Kg
UB	700*375*143mm	1 PCS	5.8Kg	7Kg
FM	700*375*143mm	1 PCS	4.6Kg	6.5Kg

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



## LIGHT DISTRIBUTION TESTING PARAMETERS < Type III >

### Luminaire Property

Luminaire Manufacturer:

Voltage: 120.2 V

Power: 299.80 W

Current: 2.515 A

Power Factor: 0.992

### Photometric Results

IES Classification: Type III

Total Rated Lamp Lumens: 43707.9 lm

Efficiency: 100%

Upward Ratio: 1%

Central Intensity: 10183.3 cd

Pos of Max. Intensity: H22.5 V61

Longitudinal Classification: Short

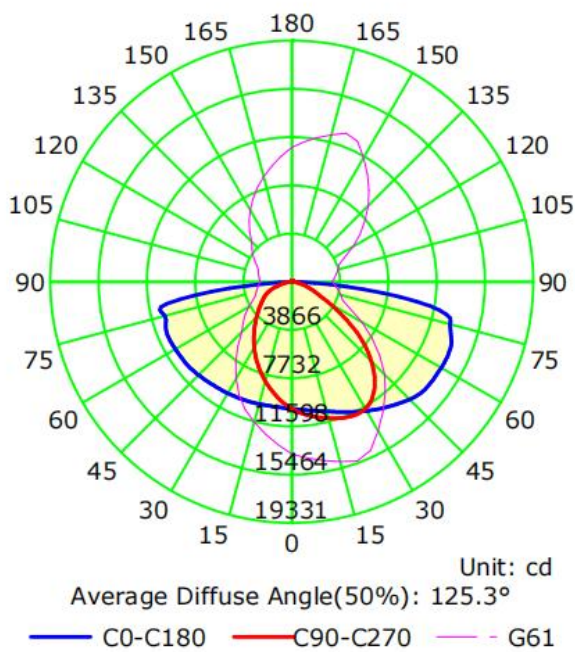
Measurement Flux: 43707.9 lm

Downward Ratio: 99%

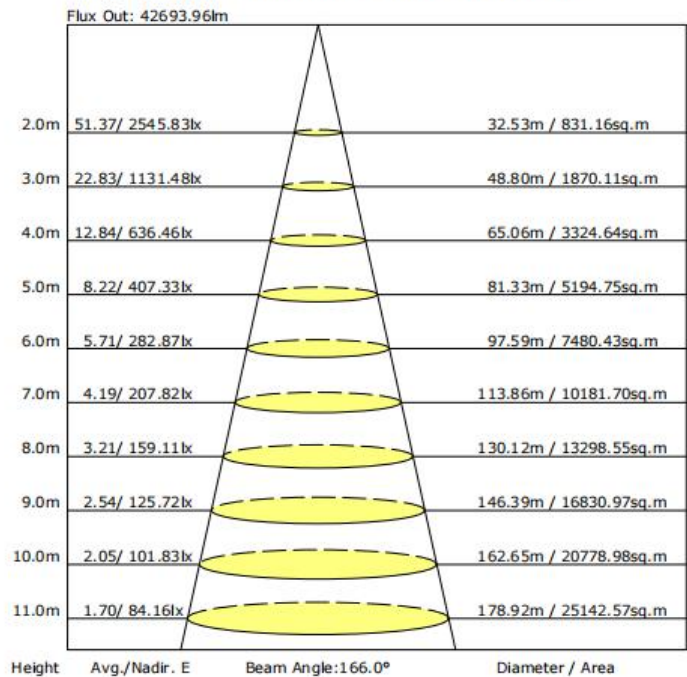
Luminaire Efficacy Rating (LER): 145.84

Max. Intensity: 15464.82 cd

Luminous Intensity Distribution Curve



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

<b>Troubles</b>	<b>Check points</b>
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.