GREENTEK ENERGY SYSTEMS

UL CERTIFIED

DLC LISTED PREMIUM

AM

YM

FM

GREENTEK ENERGY SYSTEMS, LLC
www.greentekes.com

P/N: GT-FL3-100W-LBGCc-abd-S

Note:

GT= Company name;

FL3 = Product series, LED Flood Light；

100W = Rating Power;

L=AC120-277V driver;
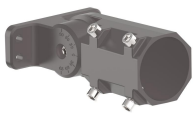
B=Lumileds;

GC=Clear Glass;

"c" can be any letters for photocell or blank for no
photocontrol provided;

"a"can be any two letters for lamp colors,such as
BR=Bronze,BH=Black;

"b" can be any alphanumeric letters for Mounting Means;

"d"can be "XXK" for CCT ,such as
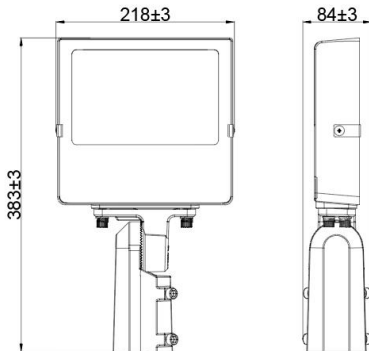40K=4000K,57K=5700K

S=Single color temperature；

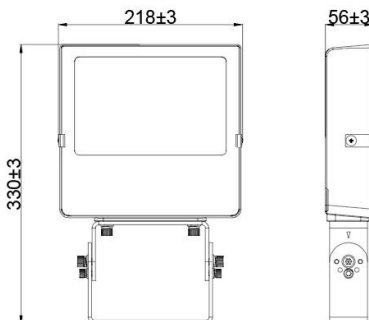## DIMENSIONS

AM

218±3   84±3

383±3

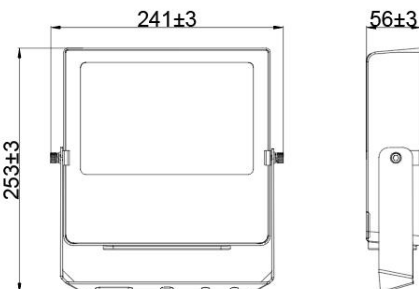**YM**

218±3   56±3

330±3

FM

241±3   56±3

253±3

ADVANTAGE

➢ UL   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,

➢ Warehouse,factory and workshops；

➢ Highway toll station；

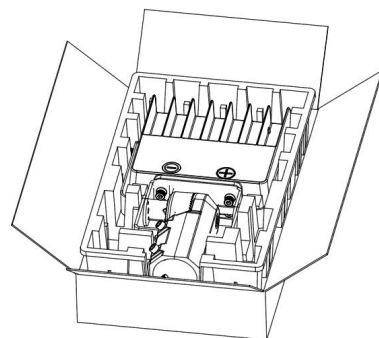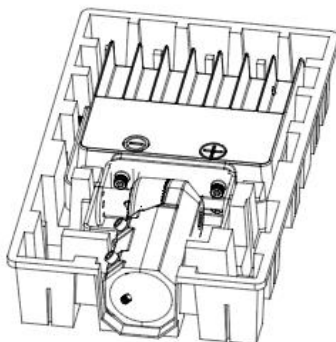➢ Meeting room, exhibition hall；

➢ Gymnasium and supermarkets, etc.

SPECIFICATIONS

OPTICAL	Input Power (Tolerance : ±10%)	100W			
	Color Temperature	3000K	4000K	5000K	5700K
	Lumen (Tolerance : -10%)LM	13291	13364	13427	13457
	Efficacy (Tolerance : -3%)LM/W	129.7	130.8	131.4	131.7
	CRI	>80			
	Color Consistency	＜6 Steps (or ＜6 SDCM)			
	Distribution Pattern	Clear Tempered Glass			
	Beam Angle (50%) (Tolerance : ±15%)	110 Degree			
ELECTRICAL	Input Voltage and Frequency	120-277VAC 50/60Hz			
	PF (Tolerance : -3%)	≥0.9			
	THD (Tolerance : +5%)	≤20%			
	Flicker Percent	＜40%			
	Driver Brand	Becky			
	Driver Model	BQE108-0800-130-PVF-PS			
	Driver Surge protection	L/N-PE: 4kV, L-N: 4kV			
	Dimming	1-10V dimming standard			
	Optional Accessory	DC Photosensor			
MATERIALS	LED Brand	Lumileds			
	LED Type	SMD2835			
	LED QTY	210 PCS*2			
	Housing	Die-cast aluminum			
	Housing Color	Brown, Black, or Customized			
	EPA	0.56 ft²			
	Waterproof Rating	WET（IP65）			
OTHERS	Operating Temperature	-40℃ TO 50℃			
	Storage Temperature	-20℃ TO 85℃			
	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	Outer box	465*295*210*mm	2 PCS	6.4Kg	8Kg
	Inner box	280*94*450mm	1 PCS	3.2Kg	3.63Kg
YM	Outer box	465*295*210*mm	2 PCS	5.8Kg	7.2Kg
	Inner box	280*94*450mm	1 PCS	2.9Kg	3.33Kg
FM	Outer box	435*310*295mm	5 PCS	11.5Kg	15.65Kg
	Inner box	280*83*295mm	1 PCS	2.3Kg	2.73Kg

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

GREENTEK
ENERGY SYSTEMS

LIGHT DISTRIBUTION TESTING PARAMETERS
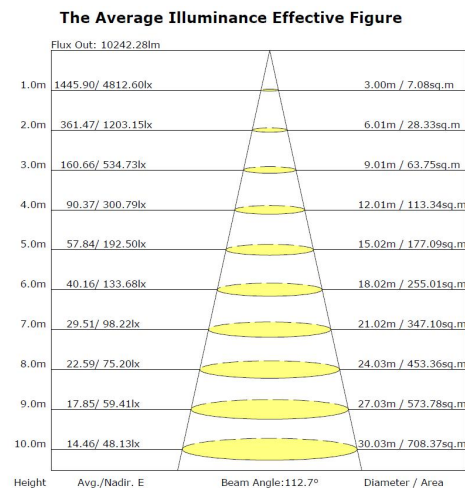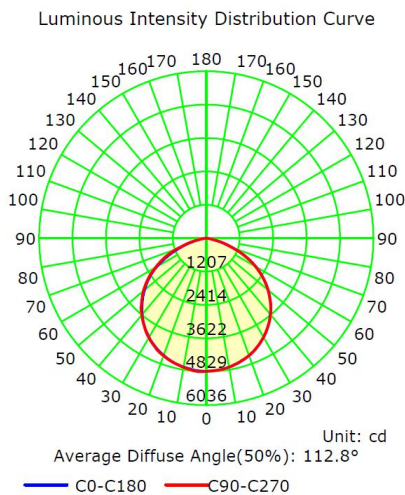
Luminaire Property

Luminaire Manufacturer:
Luminaire Category:
Lamp Catalog:
Number of Lamps:
Luminous Length (mm):
Luminous Height (mm):
Current: 0.855 A
Power Factor: 0.997

Luminaire Description:
Lamp Description:
Lumens per Lamp:
Luminous Width (mm):
Voltage: 120.0 V
Power: 102.42 W

Photometric Results

IES Classification: Type II
Total Rated Lamp Lumens: 13291.8 lm
Efficiency: 100%
Upward Ratio: 0%
C0r0 Intensity: 4812.6 cd
Pos of Max. Intensity: H270 V3

Longitudinal Classification: Very Short
Measurement Flux: 13291.8 lm
Downward Ratio: 100%
Luminaire Efficacy Rating (LER): 129.83
Max. Intensity: 4829.6 cd

Luminous Intensity Distribution Curve

Unit: cd
Average Diffuse Angle(50%): 112.8°

— C0-C180   — C90-C270

The Average Illuminance Effective Figure

Flux Out: 10242.28lm

Height	Avg./Nadir. E	Beam Angle:112.7°	Diameter / Area
1.0m	1445.90/ 4812.60lx		3.00m / 7.08sq.m
2.0m	361.47/ 1203.15lx		6.01m / 28.33sq.m
3.0m	160.66/ 534.73lx		9.01m / 63.75sq.m
4.0m	90.37/ 300.79lx		12.01m / 113.34sq.m
5.0m	57.84/ 192.50lx		15.02m / 177.09sq.m
6.0m	40.16/ 133.68lx		18.02m / 255.01sq.m
7.0m	29.51/ 98.22lx		21.02m / 347.10sq.m
8.0m	22.59/ 75.20lx		24.03m / 453.36sq.m
9.0m	17.85/ 59.41lx		27.03m / 573.78sq.m
10.0m	14.46/ 48.13lx		30.03m / 708.37sq.m

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.