



GREENTEK ENERGY SYSTEMS, LLC
www.greentekes.com

P/N: GT-FL4-150W-N-DLhbdB3-age

Note:

GT = Company name

FL4 = Product series, LED Flood Light

150W = 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;

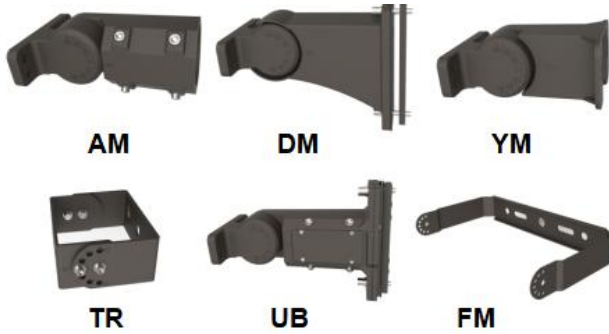
“B” represents LED manufactory Lumileds;

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

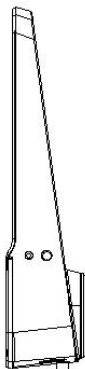
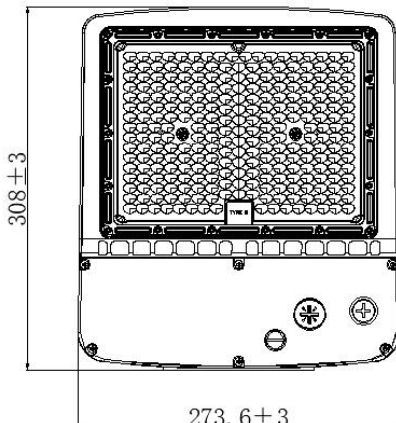
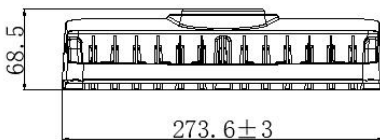
“a” can be Any two letters for lamp colors;

“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;

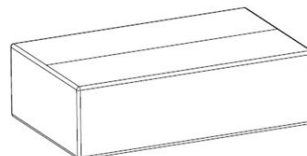
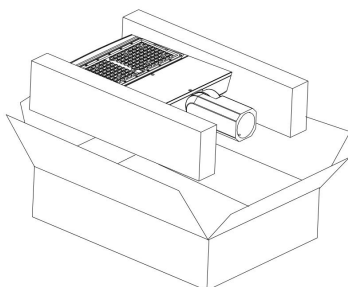
SPECIFICATIONS

| | | |
|-------------------|-------------------------------------|---|
| OPTICAL | Input Power (Tolerance : ±10%) | 150W |
| | Color Temperature | 4000K,5000K,5700K |
| | Lumen (Tolerance : -10%) | 20250-21750LM |
| | Efficacy (Tolerance : -3%) | 135-145 LM/W |
| | CRI | >80 |
| | Color Consistency | <6 Steps (or <6 SDCM) |
| | BUG | B4-U3-G2 |
| | Distribution Pattern | Type III (Optional: TYPE IV and TYPE V) |
| | Beam Angle (50%) (Tolerance : ±15%) | 155*90 Degree Type III |
| ELECTRICAL | Input Voltage and Frequency | 120-277VAC, 50/60Hz |
| | PF (Tolerance : -3%) | ≥0.9 |
| | THD (Tolerance : +5%) | ≤20% |
| | Flicker Percent | <50% |
| | Driver Brand | HBE |
| | Driver Model | HB-PM150W-450V |
| | 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 |
| MATERIALS | LED Brand | Lumileds |
| | LED Type | SMD2835 |
| | LED QTY | 212 PCS |
| | Housing | Die-cast aluminum |
| | Housing Color | Brown, Black, or Customized |
| | EPA | 1 ft ² |
| | Waterproof Rating | WET (IP65) |
| OTHERS | 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 | 555*320*143mm | 1 PC | 3.7Kg | 4.5Kg |
| DM | 555*320*143mm | 1 PC | 4.7Kg | 6.5Kg |
| YM | 515*320*143mm | 1 PC | 4.2Kg | 5Kg |
| UB | 555*320*143mm | 1 PC | 4.7Kg | 4.7Kg |
| FM | 525*380*148mm | 1 PC | 4.2Kg | 5.3Kg |

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



LIGHT DISTRIBUTION TESTING PARAMETERS < Type III >

Luminaire Property

Luminaire Manufacturer:

Voltage: 120.3 V

Power: 151.19 W

Current: 1.266 A

Power Factor: 0.992

Photometric Results

IES Classification: Type III

Total Rated Lamp Lumens: 21035.4 lm

Efficiency: 100%

Upward Ratio: 1%

Central Intensity: 4990.9 cd

Pos of Max. Intensity: H22.5 V67

Longitudinal Classification: Short

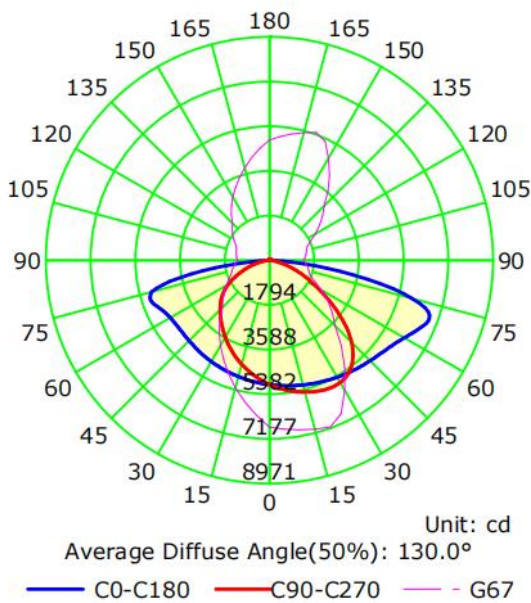
Measurement Flux: 21035.4 lm

Downward Ratio: 99%

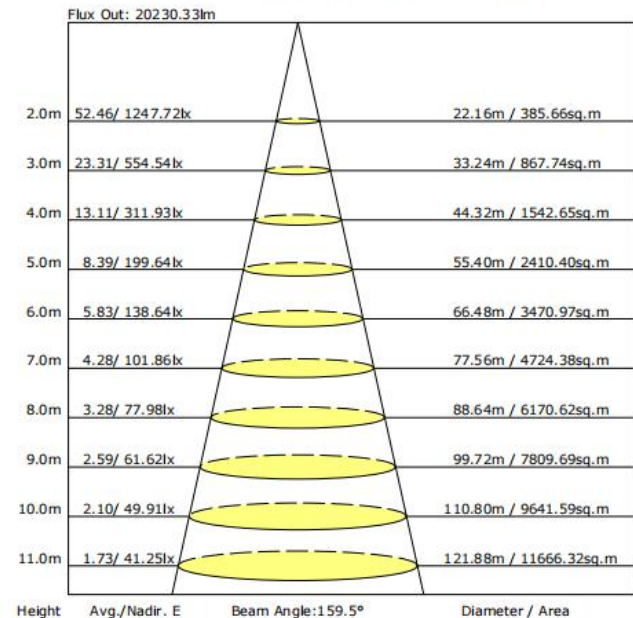
Luminaire Efficacy Rating (LER): 139.18

Max. Intensity: 7177.27 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

| 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. |