



Tanlite Lighting
 (510) 556 0948
 www.tanlite.com



AM



DM



YM1



YM2

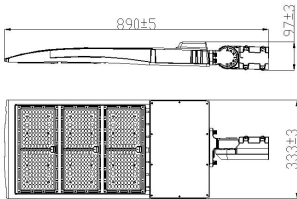


A&D

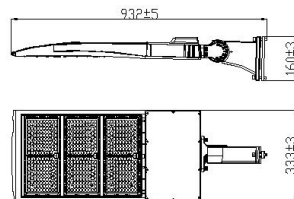


FM

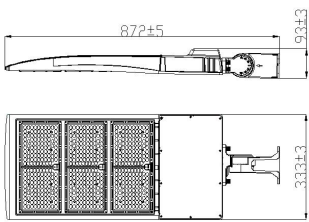
DIMENSIONS



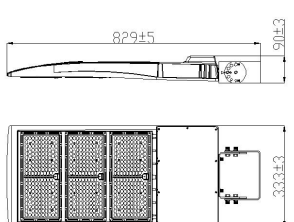
AM



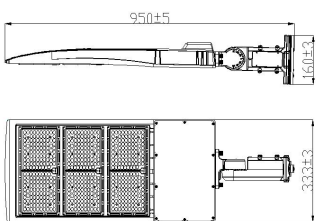
DM



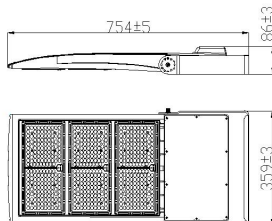
YM1



YM2



A&D



FM

P/N: TL-S-G14-450WXYA1-abcdefg

Note:

T L = Company name;

S-G14 = Product series, LED Shoebox Light;

450W = Rating Power;

“X” stands for LED manufactory, could be any letter, “B” for Lumileds;

“Y” represents diffuser light angle type: “T3” for TYPE III; “T4” for TYPE IV; “T5” for TYPE V;

A1=120-277VAC;

“a” can be any two letters to represent lamp colors , BR=Brown, BH=Black, or Customized;

“b” can be “3RP”, “3NP”, “5RP”, “5NP”, “7RP” or “7NP” for Photocontrol type provided or blank for no Photocontrol provided;

“c” can be “10SP” or “20SP” for Surge-protective Device type provided or blank for no Surge-Protective Device provided;

“d” can be “DM”, “DP” or blank for DC Motion Microwave sensor, DC Motion PIR sensor provided or not;

“e” can be “AM”, “DM”, “YM1”, “YM2”, “A&D” or

“FM” to represent mounting bracket types;

“f” can be “W” or blank for Power Control provided or not;

“g” can be any two digits to represent CCT;

ADVANTAGE

- UL cUL 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;

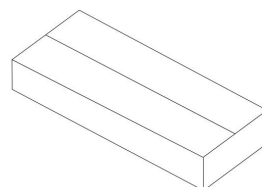
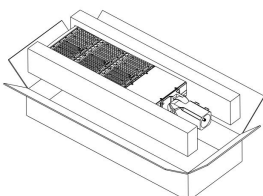
SPECIFICATIONS

| | | | |
|--|---------------------------------------|---|----------------|
| OPTICAL | Input Power (Tolerance : $\pm 10\%$) | 450W (Wattage Tunable: 450W 400W 380W) | |
| | Color Temperature | 2700K-3500K | 4000K-6500K |
| | Lumen (Tolerance : $\pm 10\%$) | 54000-60750 LM | 58500-65250 LM |
| | Efficacy (Tolerance : $\pm 3\%$) | 120-135 LM/W | 130-145 LM/W |
| | CRI | >80 | |
| | Color Consistency | <6 Steps (or <6 SDCM) | |
| | BUG | B5-U0-G5 | |
| | Distribution Pattern | Type III (Optional: TYPE IV and TYPE V) | |
| Beam Angle (50%) (Tolerance : $\pm 15\%$) | 150*95 Degree Type III | | |
| ELECTRICAL | Input Voltage and Frequency | 120-277VAC, 50/60Hz | |
| | PF (Tolerance : -3%) | ≥ 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 | |
| MATERIALS | LED Brand | Lumileds | |
| | LED Type | SMD2835 | |
| | LED QTY | 552 PCS | |
| | Housing | Die-cast aluminum | |
| | Housing Color | Brown, Black, or Customized | |
| | EPA | 2.8 ft ² | |
| | Waterproof Rating | WET (IP65) | |
| OTHERS | Operating Temperature | -40°C TO 50°C; With Motion Sensor: -30°C TO 50°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 |
| YM1 | 975*395*163MM | 1 PC | 8.82kg | 10.2kg |
| YM2 | 905*395*163MM | 1 PC | 8.52kg | 9.9kg |
| A&D | 975*395*163MM | 1 PC | 9.37kg | 10.75kg |
| FM | 905*395*163MM | 1 PC | 8.92kg | 10.3kg |

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



LIGHT DISTRIBUTION TESTING PARAMETERS < Type III >

Luminaire Property

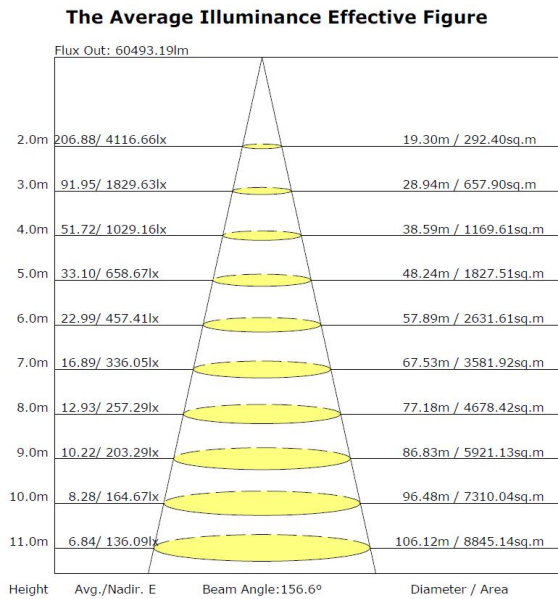
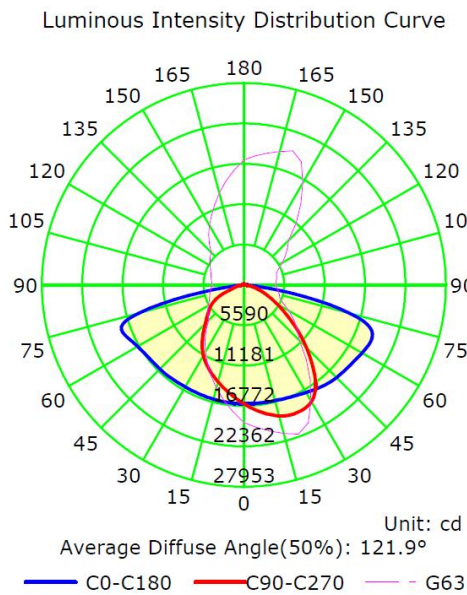
Luminaire Manufacturer:
 Voltage: 120.5 V
 Power: 460.30 W

Current: 3.828 A
 Power Factor: 0.998

Photometric Results

IES Classification: Type III
 Total Rated Lamp Lumens: 62641.5 lm
 Efficiency: 100%
 Upward Ratio: 1%
 Central Intensity: 16466.63 cd
 Pos of Max. Intensity: H22.5 V63

Longitudinal Classification: Short
 Measurement Flux: 62641.5 lm
 Downward Ratio: 99%
 Luminaire Efficacy Rating (LER): 136.14
 Max. Intensity: 22362.95 cd



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. |