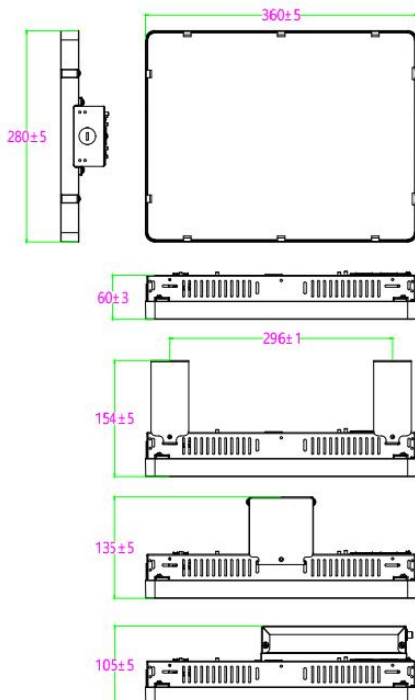


**GREENTEK ENERGY SYSTEMS, LLC**

[www.greentekes.com](http://www.greentekes.com)



## DIMENSIONS



P/N: GT-LB-1-110W-LBMb-ae-d-S

Note:

GT= Company name;

LB-1 = Product series, LED Linear High Bay Light;

110W= Rating Power;

L=120-277VAC;

B= manufacturer of LED, B=Lumileds(2835);

M= Diffuser type, M= Matte;

b=can be "AMS", "APS", "DMS", "DPS" or blank for Sensor provided or not;

a=can be any two letters to represent lamp colors, WH=White, or Customized;

e =can be XXK for CCT, such as 40K=4000K, 50K=5000K, 57K=5700K;

d= can be "EM" or blank for emergency driver provided or not;

S=Stand for CCT Untunable;

## ADVANTAGE

- UL DLC-5.1 Premium certificate.
- Lumileds Chip, high CRI.
- Input voltage 120-277VAC.
- Wattage adjustable.
- 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.
- Green and eco-friendly without mercury.

## APPLICATION

- Warehouse, factory and workshops;
- Exhibition hall and supermarkets, etc.

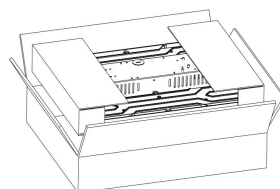
## SPECIFICATIONS

|                   |                                     |   |         |         |
|-------------------|-------------------------------------|---|---------|---------|
| <b>OPTICAL</b>    | Input Power (Tolerance : ±10%)      | 110W  |         |         |
|                   | Color Temperature                   | 4000K   | 5000K   | 5700K   |
|                   | Lumen (Tolerance : ±10%)            | 15400LM   | 15620LM | 15730LM |
|                   | Efficacy (Tolerance : ±3%)          | 140LM/W   | 142LM/W | 143LM/W |
|                   | CRI                                 | >80   |         |         |
|                   | Color Consistency                   | <6 Steps (or <6 SDCM)   |         |         |
|                   | UGR                                 | <28 (X=4H, Y=8H; S/H=1; Reflectances: 70%/50%/20%)  |         |         |
|                   | Diffuser Type                       | Matte Lens  |         |         |
|                   | Beam Angle (50%) (Tolerance : ±15%) | 90 Degree   |         |         |
| <b>ELECTRICAL</b> | Input Voltage and Frequency         | 120-277 VAC, 50/60Hz  |         |         |
|                   | PF (Tolerance : -3%)                | ≥0.9  |         |         |
|                   | THD (Tolerance : +5%)               | ≤20%  |         |         |
|                   | Flicker Percent                     | ≤5%   |         |         |
|                   | Driver Brand                        | LIFUD   |         |         |
|                   | Driver Model                        | LF-FAA100   |         |         |
|                   | Driver Surge protection             | L/N-PE: 6kV, L-N: 6kV   |         |         |
|                   | Dimming                             | 0-10V dimming (dimming scope 0-100%)  |         |         |
|                   | Sensor Type                         | Daylight Sensor,Occupancy Sensor,Multifunction,Sensor,Integral Sensor Receptacle                        |         |         |
|                   | Optional Accessory                  | AC/DC Motion Microwave sensor, AC/DC Motion PIR sensor, Wire guard, Emergency Power Supply(9/16W/90min) |         |         |
| <b>MATERIALS</b>  | LED Brand                           | Lumileds  |         |         |
|                   | LED Type                            | SMD 2835  |         |         |
|                   | LED QTY                             | 216 PCS   |         |         |
|                   | Housing                             | IRON+Aluminum   |         |         |
|                   | Housing Color                       | White, or Customized  |         |         |
|                   | Waterproof Rating                   | DAMP (IP20)   |         |         |
| <b>OTHERS</b>     | Operating Temperature               | Without Motion Sensor and Emergency Power Supply: -40℃ TO 50℃   |         |         |
|                   |                                     | With Motion Sensor: -30℃ TO 50℃   |         |         |
|                   |                                     | With Emergency Power Supply: 0℃ TO 50℃  |         |         |
|                   | Storage Temperature                 | -30℃ TO 80℃   |         |         |
|                   | Operating Humidity                  | 20% - 90% RH  |         |         |
|                   | Storage Humidity                    | 10% - 95% RH  |         |         |
| Warranty          | 5 years                             |   |         |         |

## PACKAGE Drop test: ISTA-3B

|                                  | Carton Size                             | Qty / Carton | Net Weight / Carton | Gross Weight / Carton |
|----------------------------------|---|--------------|---------------------|-----------------------|
| Outer box (No Sensor/ DC Sensor) | 380*300*75 MM<br>[14.96*11.81*2.95inch] | 1 PC         | 1.9 KG[4.18LBS]     | 2.6KG[5.72LBS]        |

Tolerance of Carton Size:±15 MM[±0.59inch], Tolerance of Weight: ±10%.



## LIGHT DISTRIBUTION TESTING PARAMETERS

### Luminaire Property

Luminaire Manufacturer:  
Luminaire Category:  
Lamp Catalog:  
Number of Lamps:  
Luminous Length (mm): 360  
Luminous Height (mm):  
Current: 0.905 A  
Power Factor: 0.996

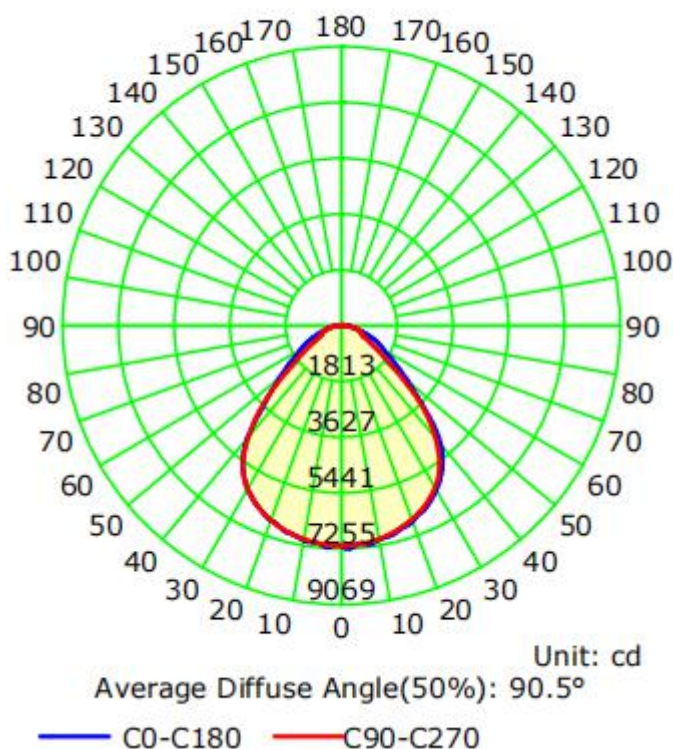
Luminaire Description:  
Lamp Description:  
Lumens per Lamp:  
Luminous Width (mm): 280  
Voltage: 120.0 V  
Power: 108.22 W

### Photometric Results

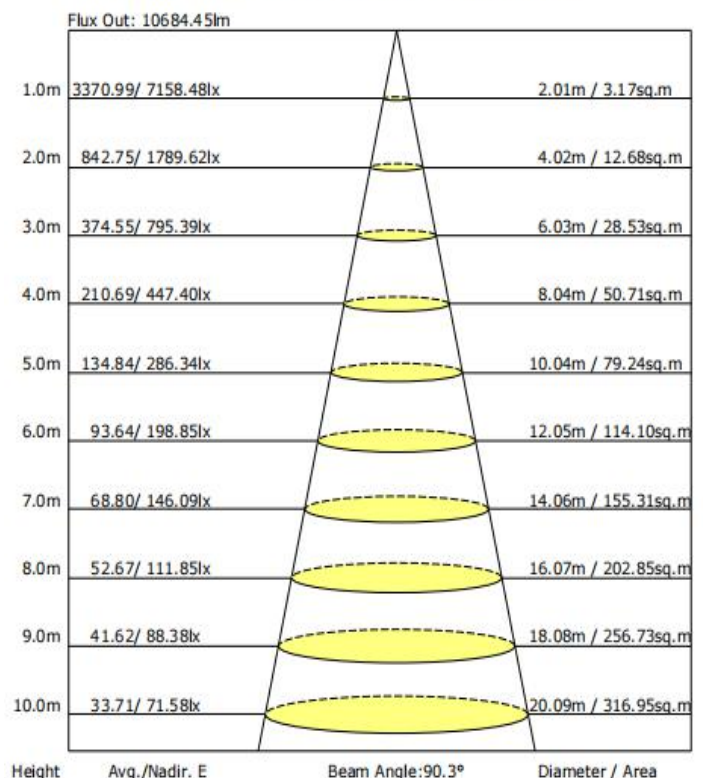
CIE Class: Direct  
Measurement Flux: 15478.9 lm  
Downward Ratio: 100%  
Horizontal Diffuse Angle(10%,50%): H144.9,H90.3  
Vertical Diffuse Angle(10%,50%): V132,V90.7  
Luminaire Efficacy Rating (LER): 143.08  
Max. Intensity: 7255.38 cd  
S/MH(C0/C180): 1.27

Total Rated Lamp Lumens: 15478.9 lm  
Efficiency: 100%  
Upward Ratio: 0%  
C0r0 Intensity: 7158.48 cd  
Pos of Max. Intensity: H45 V2  
S/MH(C90/C270): 1.26

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.<br>If same phenomena occur, then call agencies. |
| Out of working          | Please check the connection.   |