



P/N: AST-CLH01B-36/45/54WWJ3A1-acK

Note:

AST= EcoMax Lighting

CLH01B = Product series, LED Area Lamp

36W45W/54W = Rating Power

J = LED manufacturer, "J" for Bridgelux 3030

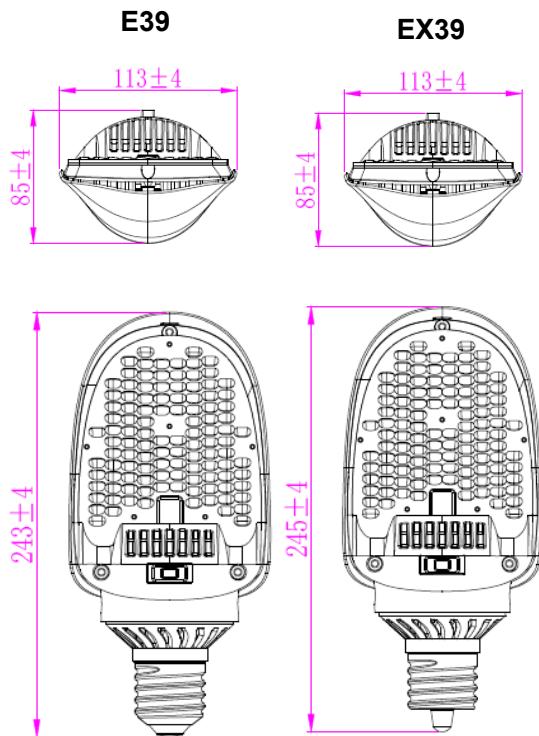
3= diffuser types: "3" for 90*150degree type3

A1 = Version number

a= the lamp base type, the "a" represent the lamp base type, can be "E" for E39, "EX" for EX39 cK= represents CCT, can be two digital.

30K=3000K, 35K=3500K, 40K=4000K, 45K=4500K, 50K=5000K, 57K=5700K, 65K=6500K.

DIMENSIONS



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
- Suitable for damp locations. Do not use with dimmers
- Make sure to remove or bypass the ballast in the fixtures before install the lamps
- Suitable for use in enclosed luminaires, min. lamp compartment dimensions: 420*210*210MM

ADVANTAGE

- UL cUL DLC-V5.1(Standard) certificate
- E39 EX39 lamp base.
- Big heat sink, With fan
- Internal driver, input voltage AC120-277V 0-10V dimming .
- Wattage adjustable options are available, segmented wattage adjustable
- Meet 4KV surge immunity level
- Long lifespan and good heat dissipation
- Direct replacement for Metal Halide, easy installation
- Fits many different fixtures to replace traditional lamps
- Operating ambient temperature can up to 50 degree
- Rotatable to make sure the luminous direction of led area lamp is consistent with the outside fixture

APPLICATION

- Replacement Lamps for Outdoor Pole/ Arm-mounted Area and Roadway Luminaires(UL Type B)

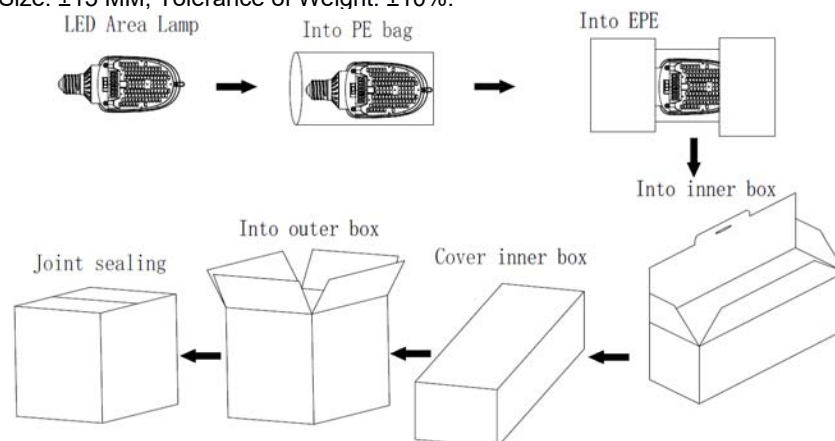
SPECIFICATIONS

| | | | | | | | | |
|-------------------|--|---|---------|---------|---------|---------|---------|---------|
| OPTICAL | Input Power (Tolerance : ±10%) | 54W(36W45W/54W via switch) | | | | | | |
| | Color Temperature | 3000K | 3500K | 4000K | 4500K | 5000K | 5700K | 6500K |
| | Lumen (Tolerance : ±10%)-In Luminaires | 5835lm | 5886lm | 5939lm | 5992lm | 6045lm | 6098lm | 6151lm |
| | Efficacy (Tolerance : ±3%)-In Luminaires | 107lm/W | 108lm/W | 109lm/W | 110lm/W | 111lm/W | 111lm/W | 112lm/W |
| | CRI | 70~79 | | | | | | |
| | Color Consistency | <6 Steps (or <6 SDCM) | | | | | | |
| | Diffuser Type | TYPEIII | | | | | | |
| | Beam Angle(50%)(Tolerance : ±25%) | 110Degree | | | | | | |
| ELECTRICAL | Input Voltage and Frequency | 120-277VAC 50/60Hz | | | | | | |
| | PF (Tolerance : -3%) | ≥0.9 | | | | | | |
| | THD (Tolerance : +5%) | ≤20% | | | | | | |
| | Flicker Percent | <5% | | | | | | |
| | Driver Surge protection | L-N: 4kV | | | | | | |
| | Dimmable | 0-10V dimming standard (through switch on the lamp) | | | | | | |
| | Sensor Type | NO | | | | | | |
| | Optional Accessory | NO | | | | | | |
| | Equivalent | 120W CFL, 175W MHL/HPS/HID | | | | | | |
| MATERIALS | LED Brand | Bridgelux | | | | | | |
| | LED Type | SMD3030 | | | | | | |
| | LED QTY | 112PCS | | | | | | |
| | Housing | PC + Aluminum | | | | | | |
| | Housing Color | Any colour | | | | | | |
| | Waterproof Rating | DAMP (IP64) | | | | | | |
| OTHERS | Operating Temperature | -40°C TO 50°C | | | | | | |
| | Storage Temperature | -40°C TO 80°C | | | | | | |
| | Operating Humidity | 20%-70% RH | | | | | | |
| | Storage Humidity | 10%-75% RH | | | | | | |
| | Warranty Time | 5 years | | | | | | |

PACKAGE

| | Size | Qty / Carton | Net Weight / Carton | Gross Weight / Carton |
|-----------|----------------|--------------|---------------------|-----------------------|
| Inner box | 290*135*105 MM | 1PCS | 0.76KG | 0.92 KG |
| Outer box | 560*310*235 MM | 8PCS | 6.08 KG | 8.1 KG |

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



LIGHT DISTRIBUTION TESTING PARAMETERS

Remark: The testing data comes from the product in luminaires.

Luminaire Property

Luminaire Manufacturer:
Luminaire Category:
Lamp Catalog:
Number of Lamps:
Luminous Length (mm):
Luminous Height (mm):
Current: 0.457 A
Power Factor: 0.991

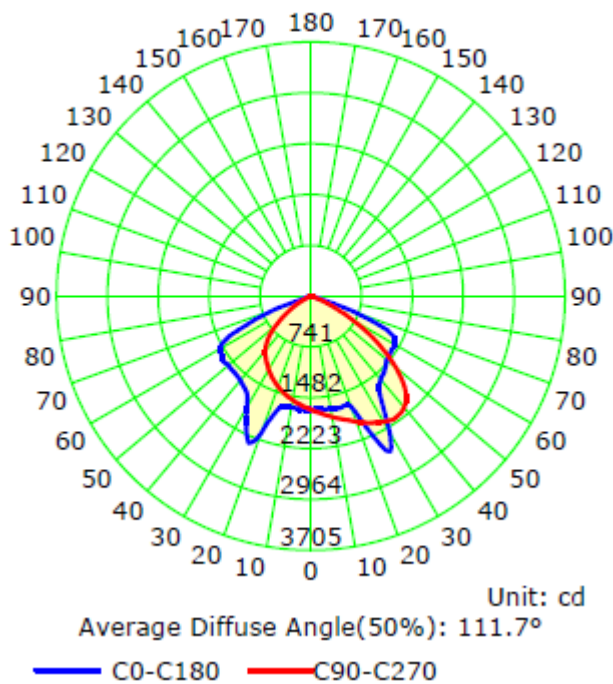
Luminaire Description:
Lamp Description:
Lumens per Lamp:
Luminous Width (mm):
Voltage: 120.0 V
Power: 54.36 W

Photometric Results

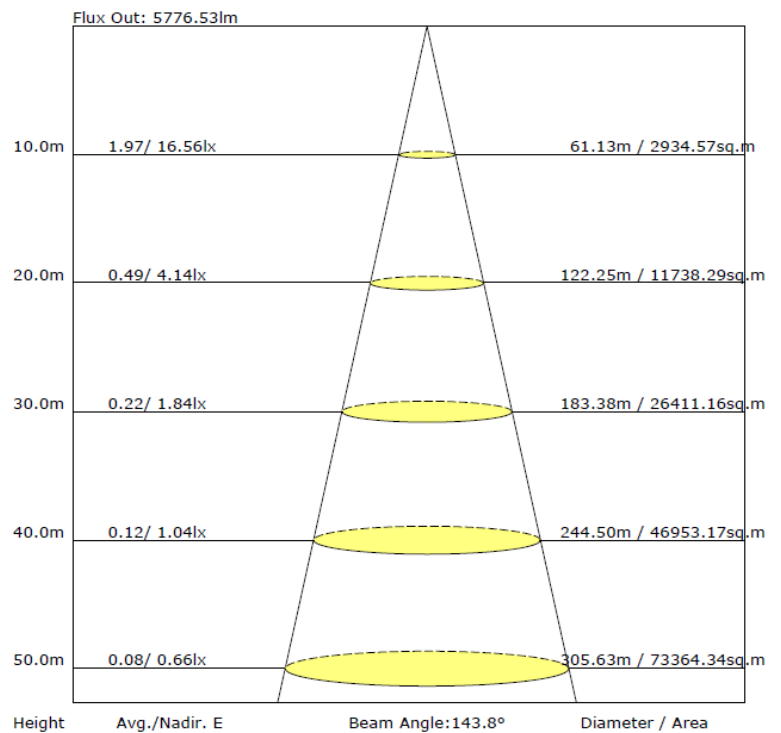
IES Classification: Type II
Total Rated Lamp Lumens: 5832.9 lm
Efficiency: 100%
Upward Ratio: 0%
C0r0 Intensity: 1656.37 cd
Pos of Max. Intensity: H22.5 V29
Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 129.4, 94.0, 98.0, 98.8

Longitudinal Classification: Very Short
Measurement Flux: 5832.9 lm
Downward Ratio: 100%
Luminaire Efficacy Rating (LER): 107.35
Max. Intensity: 2964.54 cd

Luminous Intensity Distribution Curve



The Average Illuminance Effective Figure



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. |