

ADVANTAGE

- UL cUL DLC-V5.1(Standard)certificate
- Continuous resistance with dimming function.
- Big heat sink, NO fan.
- Internal driver, input voltage AC100-277V.
- Meet 6KV surge immunity level
- Two dimming options are available, continuous dimming or segmented dimmer
- Both microwave and PIR sensors are available.
- Continuous resistance with dimming (lamp body) function and 0-10v dimming (sensor) function.

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.
- ◆ Make sure to remove or bypass the ballast in the fixtures before install the lamps.
- ◆ Suitable for damp locations. Do not use with dimmers.
- ◆ Suitable for use in enclosed luminaires, min. lamp compartment dimensions: 440*240*240MM.
- ◆ No-professionals must not install and disassemble the lamps.

APPLICATION

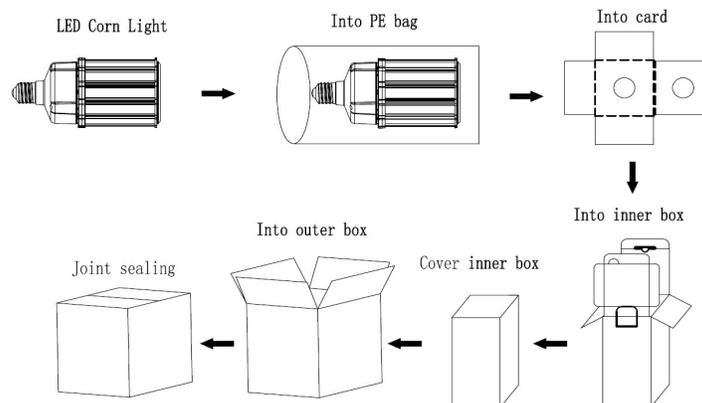
- Replacement Lamps for High Bay Luminaires (Type B)

SPECIFICATIONS

| | | |
|-------------------|-----------------------------|---|
| OPTICAL | Input Power | 100W (Tolerance: $\pm 10\%$) |
| | Color Temperature | 5000K |
| | Brightness | 13,072 Lumens (Tolerance: -10%) - In Luminaires |
| | Efficacy | 128 Lumen/Watt (Tolerance: -3%) - In Luminaires |
| | CRI | >80 |
| | Color Consistency | 6 Steps (or <6 SDCM) |
| | Diffuser Type | Clear |
| | Beam Angle: | 142 Degree (50%) (Tolerance $\pm 25\%$) |
| ELECTRICAL | Input Voltage and Frequency | 100-277VAC 50/60Hz |
| | PF | ≥ 0.9 (Tolerance: -3%) |
| | THD | $\leq 20\%$ (Tolerance: +5%) |
| | Flicker Percent | <5% |
| | Driver Surge protection | L-N:6kV |
| | Dimmable | YES |
| | Equivalent | 200W CFL, 250W MHL/HPS/HID |
| | MATERIALS | LED Brand |
| LED Type | | SMD2835 |
| LED QTY | | 416 PCS |
| Housing | | PC + Aluminum |
| Housing Color | | Any colour |
| Waterproof Rating | | IP64 |
| OTHERS | Operating Temperature | -40°C TO 50°C (-40 °F to 122 °F) |
| | Storage Temperature | -40°C TO 80°C (-40 °F to 176 °F) |
| | Operating Humidity | 20%-70% RH |
| | Storage Humidity | 10%-75% RH |
| | Warranty | 5-year limited warranty |

PACKAGE

| | Size | Qty / Carton | Net Weight / Carton | Gross Weight / Carton |
|-----------|---------------|--------------|---------------------|-----------------------|
| Inner box | 135*135*295MM | 1 PC | 1.43 KG | 1.57 KG |
| Outer box | 420*285*315MM | 6 PCS | 8.58 KG | 10.42 KG |



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: 0.852 A
 Power Factor: 0.993

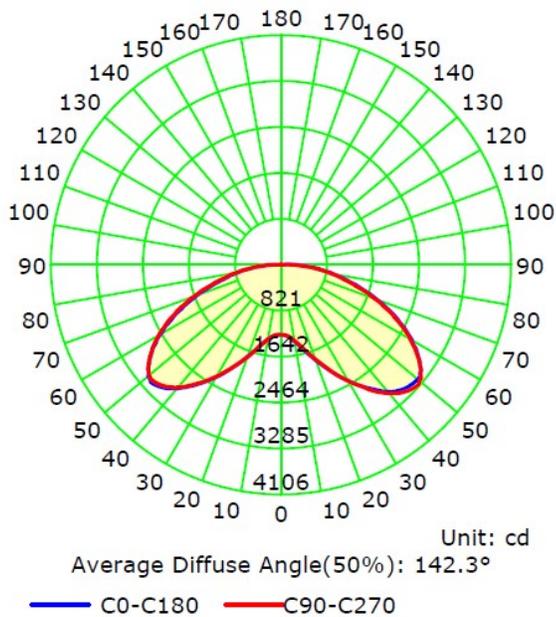
Luminaire Description:
 Lamp Description:
 Lumens per Lamp:
 Luminous Width (mm):
 Voltage: 120.0 V
 Power: 101.52 W

Photometric Results

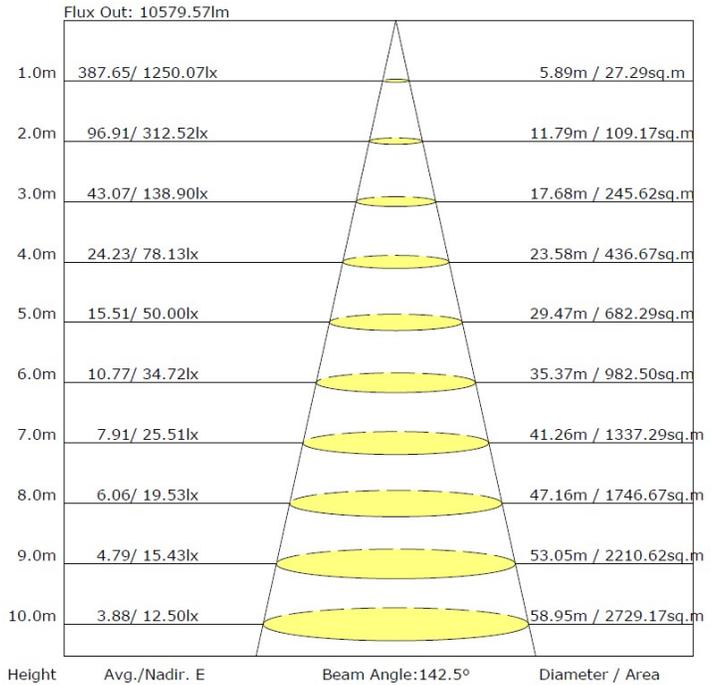
CIE Class: Direct
 Measurement Flux: 12389.3 lm
 Downward Ratio: 99%
 Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 174.9, 174.6, 175.2, 174.4
 Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 142.5, 142.1, 142.0, 141.8
 Luminaire Efficacy Rating (LER): 122.09
 Max. Intensity: 3285.58 cd
 S/MH(C0/C180): 2.72

Total Rated Lamp Lumens: 12389.3 lm
 Efficiency: 100%
 Upward Ratio: 1%
 C0r0 Intensity: 1250.07 cd
 Pos of Max. Intensity: H67.5 V51
 S/MH(C90/C270): 2.72

Luminous Intensity Distribution Curve



The Average Illuminance Effective Figure



TROUBLE SHOOTINGS

| Troubles | Check points |
|-------------------------|---|
| Flickering of the light | Turn off the power and turn it on again in 3 minutes. If same phenomena occur, then call agencies. |
| Out of working | Please check the connection. |