

# LED High Bay Light



# ELGIN

POWER SOLUTIONS

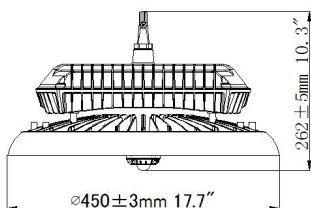
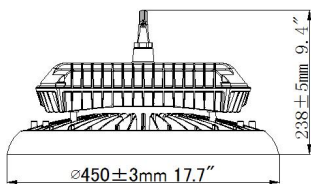
400W Hi Bay LED LIGHT  
P/N: 2025-37739-5

## ADVANTAGE

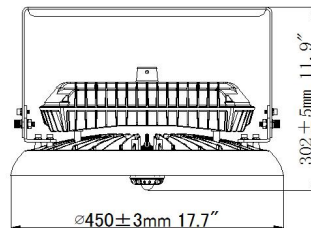
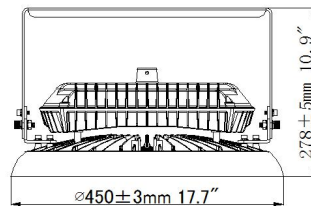
- UL DLC certificate.
- Lumileds Chip, high CRI.
- Input voltage 120-277VAC.
- Output constant current lever can be adjusted through output cable with 0-10V.
- No UV or IR in the beam.
- Easy to install and operate.
- Energy saving, long lifespan.
- Light is soft and uniform, safe to eyes.
- Instant start, NO flickering, NO humming.
- Green and eco-friendly without mercury.

## DIMENSIONS

### Pendent



### Surface-mounted



## APPLICATION

- Warehouse, factory and workshops;
- Highway toll station and gas station;
- Exhibition hall;
- Gymnasium and supermarkets, etc.

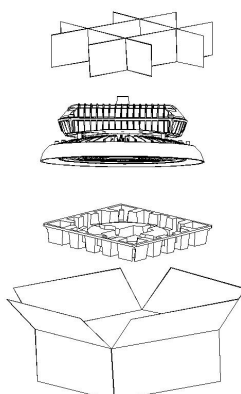
## SPECIFICATIONS

|            |  |   |
|------------|--|---|
| OPTICAL    | Input Power (Tolerance : $\pm 10\%$ )      | 400W  |
|            | Color Temperature                          | 5700K   |
|            | Lumen (Tolerance : $-10\%$ )               | 57200LM   |
|            | Efficacy (Tolerance : $-3\%$ )             | 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                              | PC Lens   |
|            | Beam Angle (50%) (Tolerance : $\pm 15\%$ ) | 90 Degree   |
| ELECTRICAL | Input Voltage and Frequency                | 120-277VAC, 50/60Hz   |
|            | PF (Tolerance : $-3\%$ )                   | $\geq 0.9$  |
|            | THD (Tolerance : $+5\%$ )                  | $\leq 20\%$   |
|            | Flicker Percent                            | $<80\%$   |
|            | Driver Brand                               | Daermay Driver (0-10V dimming )   |
|            | Driver Model                               | MP-200T130A*2   |
|            | Driver Surge protection                    | L-N: 6kV, L/N-PE: 6kV   |
|            | Dimming                                    | 0-10V dimming standard  |
|            | Optional Accessory                         | Motion Sensor, Surge-protective Device  |
| MATERIALS  | LED Brand                                  | Lumileds  |
|            | LED Type                                   | SMD2835   |
|            | LED QTY                                    | 1120PCS   |
|            | Housing                                    | Die-cast aluminum   |
|            | Housing Color                              | Black, White, or Customized   |
|            | Waterproof Rating                          | WET (IP65)  |
| OTHERS     | Operating Temperature                      | Without Motion Sensor: $-40^{\circ}\text{C}$ TO $50^{\circ}\text{C}$                    |
|            |  | With Motion Sensor: $-30^{\circ}\text{C}$ TO $50^{\circ}\text{C}$                       |
|            | Storage Temperature                        | $-40^{\circ}\text{C}$ TO $80^{\circ}\text{C}$   |
|            | Operating Humidity                         | 20% - 90% RH  |
|            | Storage Humidity                           | 10% - 95% RH  |
|            | Warranty                                   | 5 years warranty with 24/7 operating hours Luminaire lifetime at $25^{\circ}\text{C}$ . |

## PACKAGE

| Lamp Type       | Carton Size   | Qty / Carton | Net Weight / Carton | Gross Weight / Carton |
|-----------------|---------------|--------------|---------------------|-----------------------|
| Pendent         | 510*510*230mm | 1 PC         | 6.8KG               | 8.2KG                 |
| Surface-mounted | 510*510*230mm | 1 PC         | 8.9KG               | 10.3KG                |

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

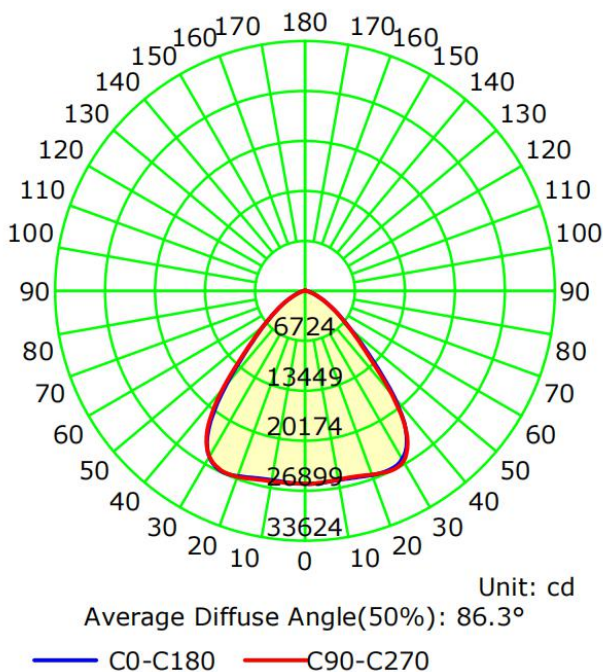


## LIGHT DISTRIBUTION TESTING PARAMETERS

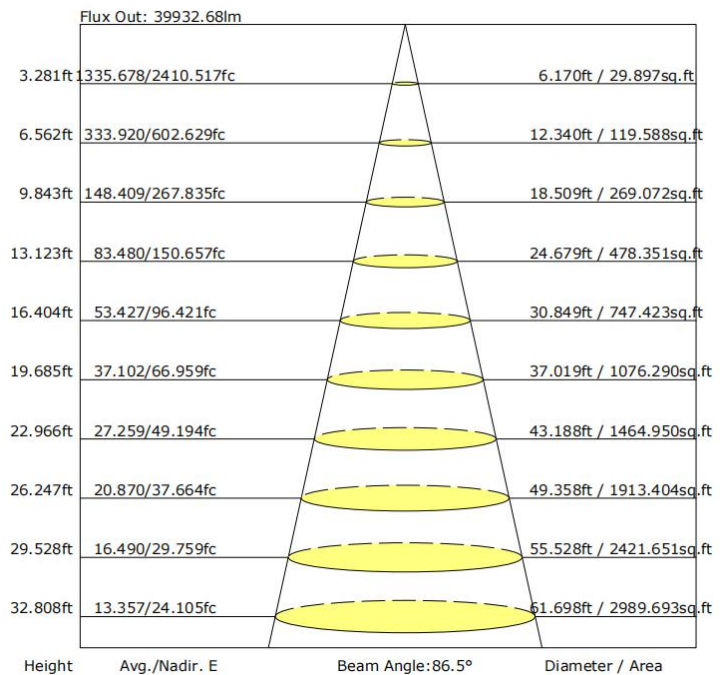
### Photometric Results

|   |                                     |
|---|-------------------------------------|
| CIE Class: Direct   | Total Rated Lamp Lumens: 53298.9 lm |
| Measurement Flux: 53298.9 lm  | Efficiency: 100%                    |
| Downward Ratio: 100%  | Upward Ratio: 0%                    |
| Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 125.3, 125.3, 124.0, 125.4 |                                     |
| Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 86.5, 86.2, 86.5, 85.5      |                                     |
| Luminaire Efficacy Rating (LER): 134.06                                     | C0r0 Intensity: 25946.59 cd         |
| Max. Intensity: 26899.3 cd  | Pos of Max. Intensity: H315 V25     |
| S/MH(C0/C180): 1.39   | S/MH(C90/C270): 1.40                |

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.   |