

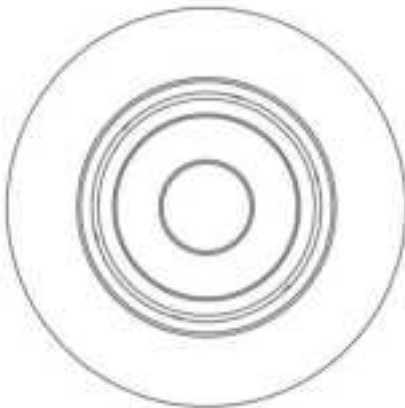
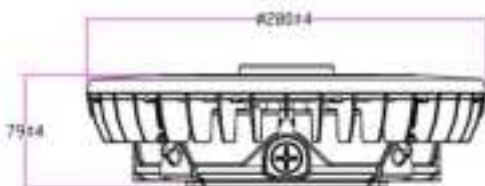


**PLT-13151 - 100W, Up to 14,600 Lumens, 3000/4000/5000K, White Finish**



| Wattage | Voltage | CCT   | LPW | LUMENS |
|---------|---------|-------|-----|--------|
| 100W    | AC120V  | 3000K | 138 | 13800  |
|         | AC120V  | 4000K | 146 | 14600  |
|         | AC120V  | 5000K | 141 | 14100  |

## DIMENSIONS



## ADVANTAGE

- UL.
- IP65 driver, input voltage 120-277VAC.
- No UV or IR in the beam.
- Easy to install and operate.
- Energy saving, long lifespan.
- Light is soft and uniform.
- Instant start, NO flickering, NO humming.
- Green and eco-friendly without mercury.
- Color-Tunable, can be adjusted the CCT to 3000K, 4000K and 5000K.

## APPLICATION

- ◆ Widely used in gas stations, service stations, underground parking lots, warehouses, garages;
- ◆ Work floors, factories

## SPECIFICATIONS

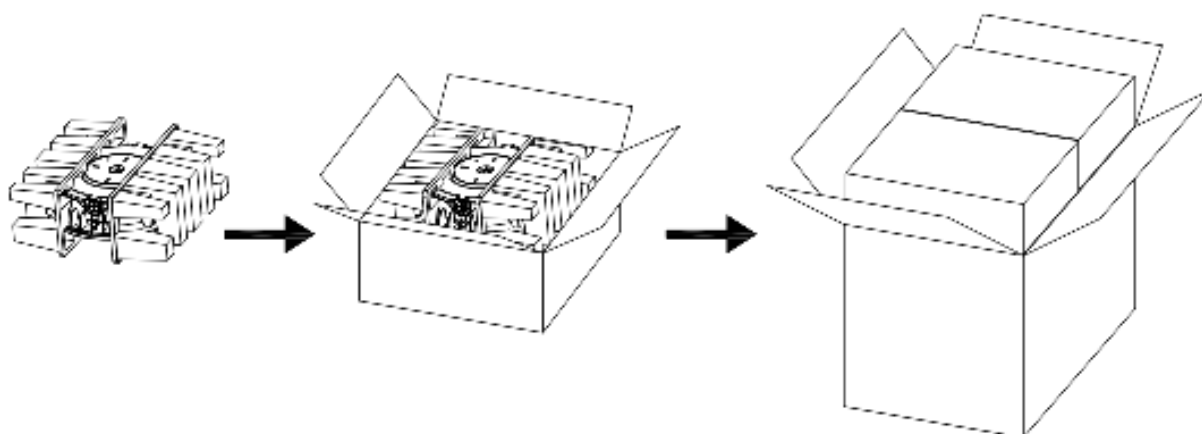
|            |                                            |                                                                                         |                |                |
|------------|--------------------------------------------|-----------------------------------------------------------------------------------------|----------------|----------------|
| OPTICAL    | Input Power (Tolerance : $\pm 10\%$ )      | 100W                                                                                    |                |                |
|            | Color Temperature (Color Tunable)          | 3000K                                                                                   | 4000K          | 5000K          |
|            | Lumen (Tolerance : $-10\%$ )               | <b>13800LM</b>                                                                          | <b>14600LM</b> | <b>14100LM</b> |
|            | Efficacy (Tolerance : $-3\%$ )             | <b>138LM/W</b>                                                                          | <b>146LM/W</b> | <b>141LM/W</b> |
|            | CRI                                        | $>80$                                                                                   |                |                |
|            | Color Consistency                          | $<6$ Steps (or $<6$ SDCM)                                                               |                |                |
|            | BUG                                        | B3-U3-G3                                                                                |                |                |
|            | Diffuser Type                              | Clear Stripe PC                                                                         |                |                |
|            | Beam Angle (50%) (Tolerance : $\pm 15\%$ ) | 150 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 Model                               | M-100D100                                                                               |                |                |
|            | Driver Surge protection                    | L/N-PE: 3kV, L-N: 3kV                                                                   |                |                |
|            | Dimming                                    | 1-10V dimming standard                                                                  |                |                |
| MATERIALS  | LED Brand                                  | Lumileds 2835                                                                           |                |                |
|            | LED Type                                   | SMD2835 (0.5W)                                                                          |                |                |
|            | LED QTY                                    | 240 PCS 3000K+240 PCS 5000K                                                             |                |                |
|            | Housing                                    | Die-cast aluminum                                                                       |                |                |
|            | Housing Color                              | White, or Customized*                                                                   |                |                |
|            | Waterproof Rating                          | WET (IP65)                                                                              |                |                |
| OTHERS     | Operating Temperature                      | $-30^{\circ}\text{C}$ 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 $25^{\circ}\text{C}$ . |                |                |

\*Custom finish options available via Special Order. Call 1-800-624-4488.

## PACKAGE

|           | Size          | Qty / Carton | Net Weight / Carton | Gross Weight / Carton |
|-----------|---------------|--------------|---------------------|-----------------------|
| Inner box | 325*325*140MM | 1 PCS        | 2.1 KG              | 2.58 KG               |
| Outer box | 345*300*345MM | 2 PCS        | 4.2 KG              | 6.16 KG               |

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



## LIGHT DISTRIBUTION TESTING PARAMETERS

### Luminaire Property

Luminaire Manufacturer:  
Luminaire Category:  
Lamp Catalog:  
Number of Lamps:  
Luminous Length (mm):  
Luminous Height (mm):  
Current: 0.843 A  
Power Factor: 0.988

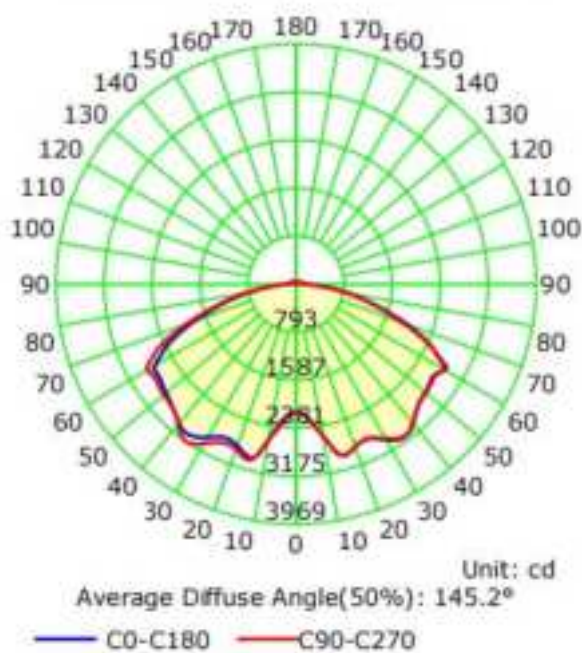
Luminaire Description:  
Lamp Description:  
Lumens per Lamp:  
Luminous Width (mm):  
Voltage: 120.0 V  
Power: 100.13 W

### Photometric Results

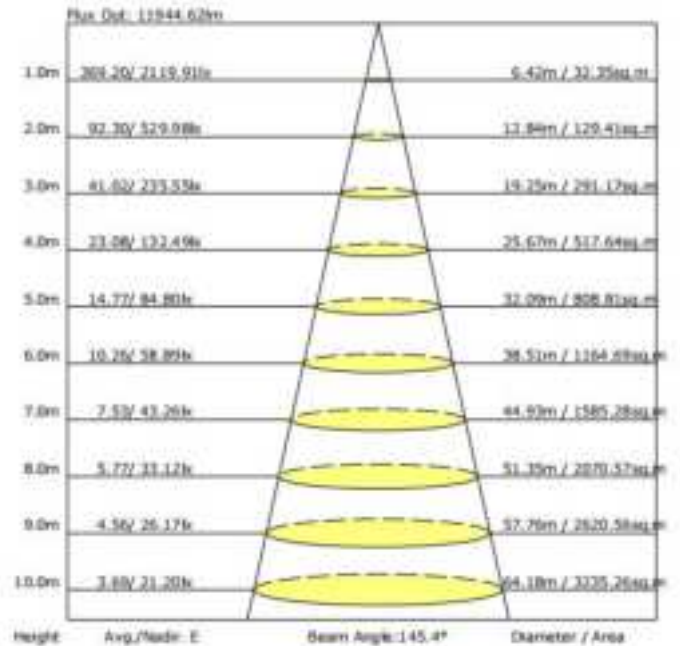
CIE Class: Direct  
Measurement Flux: 13799 lm  
Downward Ratio: 97%  
Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 172.9, 172.8, 172.9, 172.7  
Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 145.4, 145.1, 145.5, 145.2  
Luminaire Efficacy Rating (LER): 137.86  
Max. Intensity: 3175.37 cd  
S/MH(C0/C180): 1.95

Total Rated Lamp Lumens: 13799.0 lm  
Efficiency: 100%  
Upward Ratio: 3%  
C0r0 Intensity: 2119.91 cd  
Pos of Max. Intensity: H270 V35  
S/MH(C90/C270): 1.95

Luminous Intensity Distribution Curve



The Average Illuminance Effective Figure



### NOTICE FOR USER

- Please turn off power before installation or maintenance.
- Verify that supply voltage is correct by comparing it with the luminaire label information. Please make sure the wiring is insulated.
- Installation, service, and maintenance of luminaires should be performed by a qualified licensed electrician.

### TROUBLESHOOTING

| Problem                | Solution                                                                                                                |
|------------------------|-------------------------------------------------------------------------------------------------------------------------|
| Flickering Light       | Turn off the power, then turn on again after 3 minutes. If the light continues to flicker, call a licensed electrician. |
| Fixture not turning on | Check the electrical connection.                                                                                        |