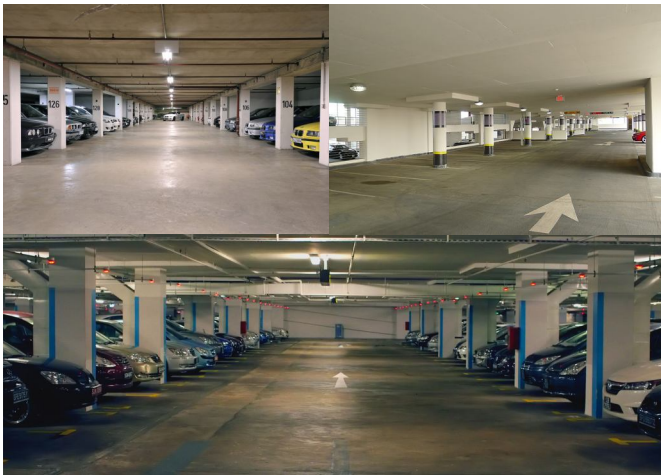


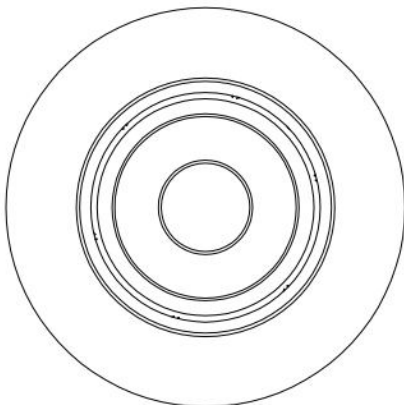
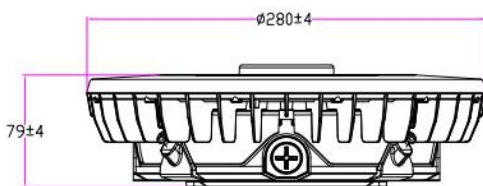


PLT-13151 - 100W, Up to 14,600 Lumens, 3000/4000/5000K, White Finish



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

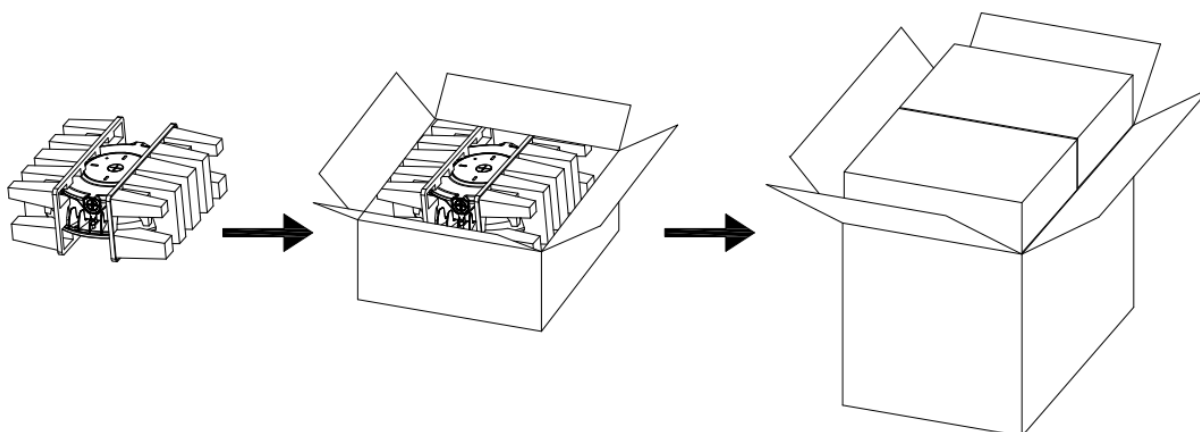
OPTICAL	Input Power (Tolerance : $\pm 10\%$)	100W		
	Color Temperature (Color Tunable)	3000K	4000K	5000K
	Lumen (Tolerance : -10%)	13800LM	14600LM	14100LM
	Efficacy (Tolerance : -3%)	138LM/W	146LM/W	141LM/W
	CRI	>80		
	Color Consistency	<6 Steps (or <6 SDCM)		
	BUG	B3-U3-G3		
	Diffuser Type	Clear Stripe PC		
	Beam Angle (50%) (Tolerance : $\pm 15\%$)	150 Degree		
ELECTRICAL	Input Voltage and Frequency	120-277VAC, 50/60Hz;		
	PF (Tolerance : -3%)	≥ 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°C TO $+50^{\circ}\text{C}$		
	Storage Temperature	-40°C TO 80°C		
	Operating Humidity	20% - 90% RH		
	Storage Humidity	10%-95% RH		
	Warranty	5 years warranty with 24/7 operating hours Luminaire lifetime at 25°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: ± 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

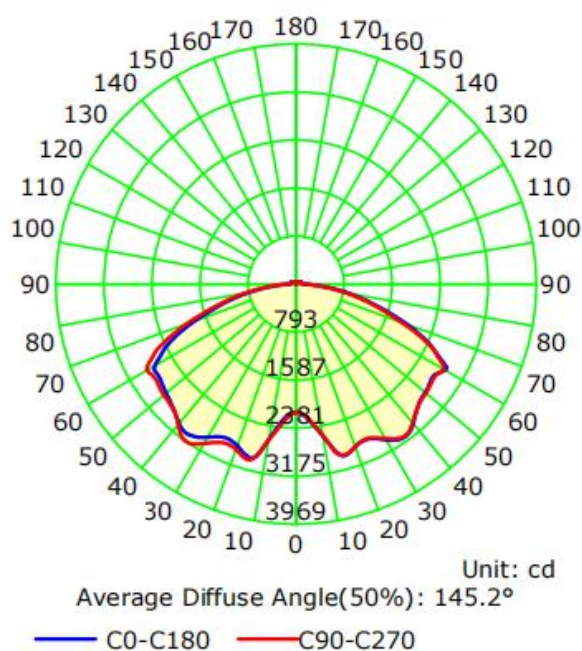
Luminaire Description:
Lamp Description:
Lumens per Lamp:
Luminous Width (mm):
Voltage: 120.0 V
Power: 100.13 W

Photometric Results

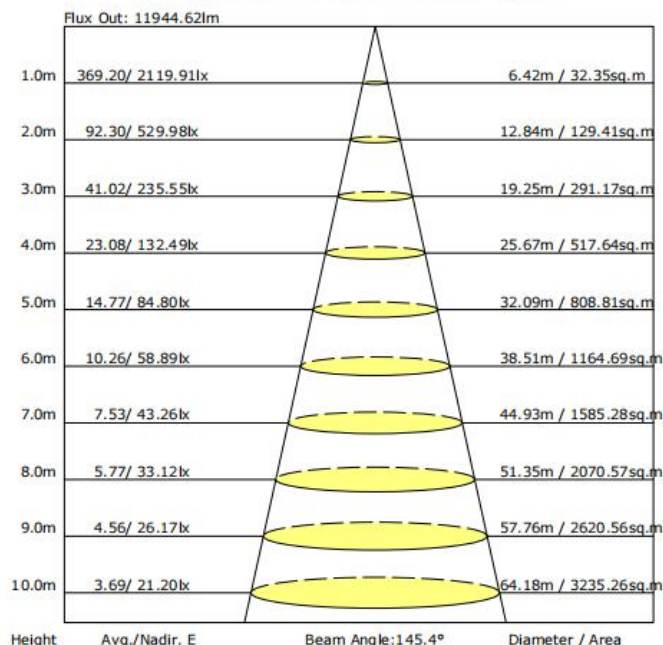
CIE Class: Direct
Measurement Flux: 13799 lm
Downward Ratio: 97%
Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 172.9, 172.8, 172.9, 172.7
Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 145.4, 145.1, 145.5, 145.2
Luminaire Efficacy Rating (LER): 137.86
Max. Intensity: 3175.37 cd
S/MH(C0/C180): 1.95

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.