PLT-13242 - 80/100/120W - Up to 17,410 Lumens, 30/40/50K, Bronze Finish
- Photocell

Wattage	CCT	Lumens	LPW
80	3000K	10,838	135
	4000K	11,057	138
	5000K	10,944	137
100	3000K	13,168	132
	4000K	13,445	134
	5000K	13,178	132
120	3000K	16,058	134
	4000K	17,410	145
	5000K	17,133	143

DIMENSIONS

452.1±3 [17.8"±0.12"]

323.8±3 [12.8"±0.12"]

114.5±3 [4.5"±0.12"]
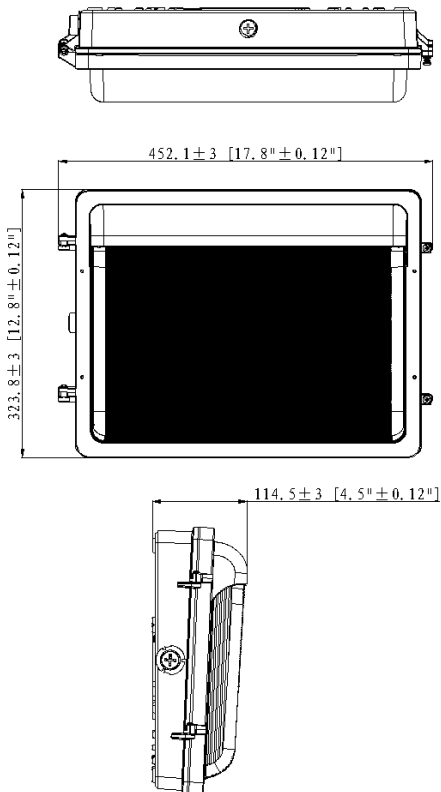
ADVANTAGE

➢ UL
➢ Lumileds 2835
➢ Input voltage 120-277VAC
➢ 0-10V dimming
➢ 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.

APPLICATION

➢ Entrance lighting,courtyard lighting;
➢ Industrial lighting,Outdoor landscape lighting;
➢ Hotels and other commercial applications

SPECIFICATIONS

OPTICAL	Input Power (Tolerance : ±10%)	80/100/120W		
	Color Temperature(Color tunable)	3000K	4000K	5000K
	Lumen (Tolerance : ±10%)	16,058 LM	17,410 LM	17,133 LM
	Efficacy (Tolerance : ±3%)	134 LM/W	145 LM/W	143 LM/W
	CRI	>80		
	Color Consistency	＜7 Steps (or ＜7 SDCM)		
	BUG	B1-U4-G5		
	Diffuser Type	Glass		
	Beam Angle (50%) (Tolerance : ±15%)	H88*V66 Degree		
ELECTRICAL	Input Voltage and Frequency	120-277VAC 50/60Hz		
	PF (Tolerance : -3%)	≥0.9		
	THD (Tolerance : +5%)	≤20%		
	Flicker Percent	＜5%		
	Driver Brand	Fahold		
	Driver Model	R1-150D-260B12		
	Driver Surge protection	L-N: 10kV , L&N-E:10kV		
	Dimming	0-10V dimming standard		
	Sensor Type	Photocell, Occupancy Sensor*		
	Optional Accessory	Surge-protective Device*, Motion Sensor*, PIR Sensor*		
MATERIALS	LED Brand	LUMILEDS		
	LED Type	SMD 2835		
	LED QTY	336*2 PCS		
	Housing	Die-cast aluminum		
	Housing Color	Bronze, All Color*		
	Waterproof Rating	WET（IP65）		
OTHERS	Operating Temperature	-40℃ TO 45℃,Sensor, -25℃ TO 45℃		
	Storage Temperature	-40℃ TO 80℃		
	Operating Humidity	20％ - 90％ RH		
	Storage Humidity	10％ - 95％ RH		
	Warranty	5 years warranty		

Additional accessories and color options available via Special Order. Please call 1-800-624-4488.

PCKAGE

	Size	Qty / Carton	Net Weight / Carton	Gross Weight / Carton
Outer box	480*375*170MM (18.9"*14.8"*6.7")	1 PC	5.8KG (12.8lb)	7.1KG (15.7lb)

Tolerance of Carton Size: ±15 MM (±0.6"), Tolerance of Weight: ±10%.
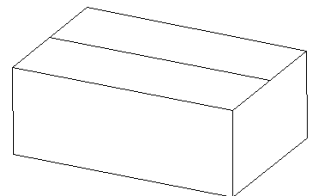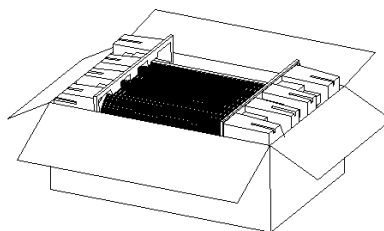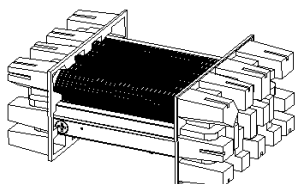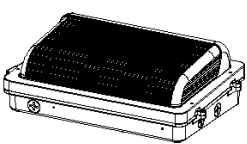
LIGHT DISTRIBUTION TESTING PARAMETERS

Luminaire Property

Luminaire Manufacturer:
Luminaire Category:
Lamp Catalog:
Number of Lamps:
Luminous Length (mm):
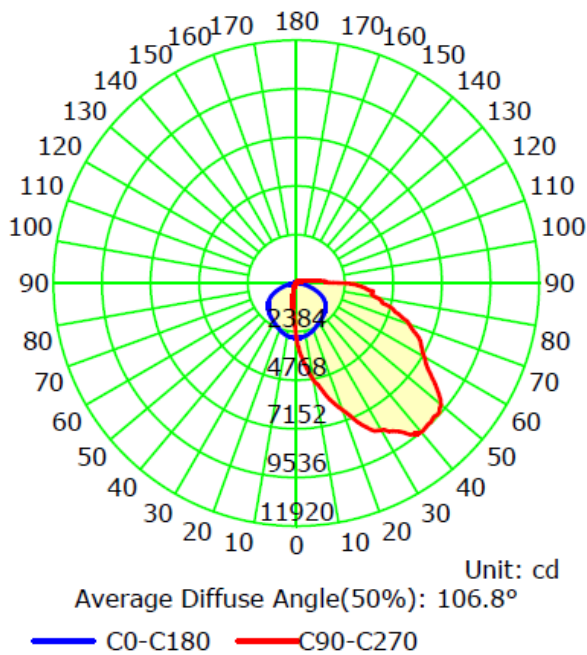Luminous Height (mm):
Current: 1.001 A
Power Factor: 0.995

Luminaire Description:
Lamp Description:
Lumens per Lamp:
Luminous Width (mm):
Voltage: 120.0 V
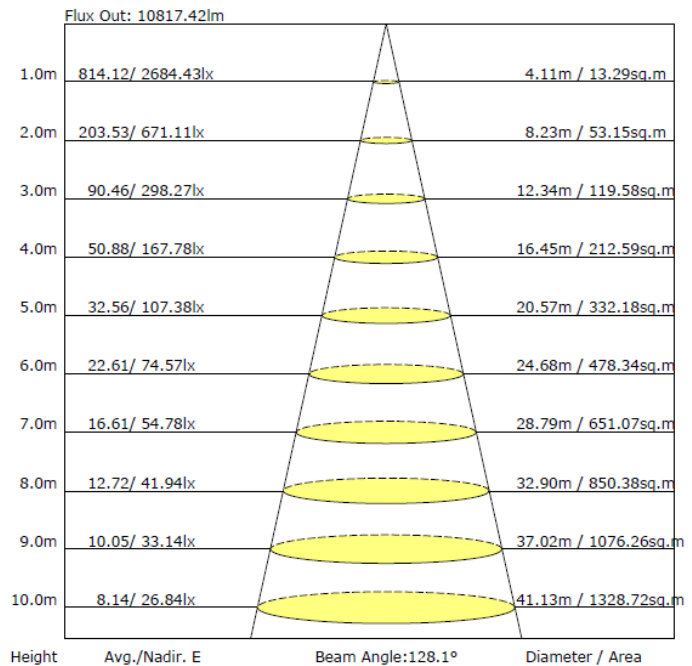Power: 119.47 W

Photometric Results

IES Classification: Type IV
Total Rated Lamp Lumens: 16107.0 lm
Efficiency: 100%
Upward Ratio: 6%
C0r0 Intensity: 2684.43 cd
Pos of Max. Intensity: H90 V40
Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 128.1, 85.5, 83.4, 82.2

Longitudinal Classification: Very Short
Measurement Flux: 16107 lm
Downward Ratio: 94%
Luminaire Efficacy Rating (LER): 134.87
Max. Intensity: 9536.25 cd

Luminous Intensity Distribution Curve

Average Diffuse Angle(50%): 106.8°

— C0-C180   — C90-C270

Unit: cd

The Average Illuminance Effective Figure

Flux Out: 10817.42lm

| Height	Avg./Nadir. E		Diameter / Area
1.0m	814.12/ 2684.43lx		4.11m / 13.29sq.m
2.0m	203.53/ 671.11lx		8.23m / 53.15sq.m
3.0m	90.46/ 298.27lx		12.34m / 119.58sq.m
4.0m	50.88/ 167.78lx		16.45m / 212.59sq.m
5.0m	32.56/ 107.38lx		20.57m / 332.18sq.m
6.0m	22.61/ 74.57lx		24.68m / 478.34sq.m
7.0m	16.61/ 54.78lx		28.79m / 651.07sq.m
8.0m	12.72/ 41.94lx		32.90m / 850.38sq.m
9.0m	10.05/ 33.14lx		37.02m / 1076.26sq.m
10.0m	8.14/ 26.84lx		41.13m / 1328.72sq.m

Beam Angle:128.1°

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 luminaries 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.

Selectable CCT:

3K 4K 5K
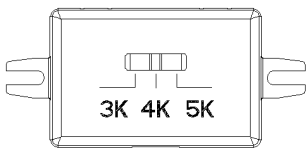
Color tunable instruction

1, The color temperature of the lamp turns to 3000K when the switch is set to 3K；

2, The color temperature of the lamp turns to 4000K when the switch is set to 4K；

3, The color temperature of the lamp turns to 5000K when the switch is set to 5K；

Note: Please turn off the power before adjusting the color temperature.