UL LISTED **DLC LISTED**

PLT-12952 - 80/120/150W, 3000/4000/5000K, E39 Base

DLC 5.1 Standard - PLTSNB111432

DIMENSIONS

EX39

211±4MM
8.31±0.16IN

Ø104±2MM
Ø4.1±0.08IN
NPS-00075*

E39

212±4MM
8.35±0.16IN

Ø104±2MM
Ø4.1±0.08IN
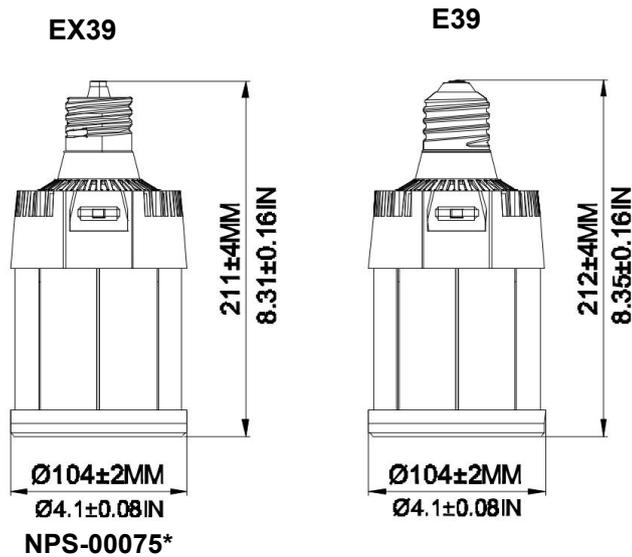
***Special Order, call 1-800-624-4488**

NOTICE FOR USER

➢ Please turn off power before installation or maintenance.

➢ The input voltage of the fixture and lamps should match.

➢ Make sure to remove or bypass the ballast in the fixture before installing the lamp.

➢ Suitable for damp locations. Do not use with dimmers.

➢ Installation, service, and maintenance of luminaries should be performed by a qualified licensed electrician.

➢ Suitable for use in enclosed luminaires, min. Luminaires compartment dimensions: 470*320*320 MM.

ADVANTAGE

➢ UL certificate.

➢ E39 EX39 lamp base.

➢ Internal driver, input voltage AC120-277V.

➢ Meet 6KV surge immunity level

➢ Two dimming options are available, continuous dimming or segmented dimmer

➢ Long lifespan and good heat dissipation ,With   Sunon fan

➢ Direct replacement for Metal Halide, easy installation.

➢ Fits many different fixtures to replace traditional lamps.

APPLICATION

➢ Replacement Lamps for Outdoor

➢ Pole/Arm-mounted Decorative Luminaires(Type B)

SPECIFICATIONS

OPTICAL	Input Power (Tolerance : ±10%)	150W(80W/120W/150W via switch)		
	Color Temperature（Color Tunable）	3000K	4000K	5000k
	Lumen (Tolerance : ±10%)	21800LM	24000LM	22800 LM
	Efficacy (Tolerance : ±3%)	142LM/W	158LM/W	150 LM/W
	CRI	>80		
	Color Consistency	7 Steps (or ＜7 SDCM)		
	Diffuser Type	Clear PC		
	Beam Angle (50%) (Tolerance : ±25%)	280 Degree		
ELECTRICAL	Input Voltage	120-277VAC 50/60Hz		
	PF (Tolerance : -3%)	≥0.9		
	THD (Tolerance : +5%)	≤20%		
	Flicker Percent	<30%		
	Driver Surge protection	L-N: 6kV		
	Dimmable	YES (Through the toggle switch on the lamp)		
	Equivalent	400W MHL/HPS/HID		
MATERIALS	LED Brand			
	LED Type	SMD2835		
	LED QTY	390 pcs of 3000K + 390 pcs of 5000K		
	Housing	PC + Aluminum		
	Housing Color	Any colour		
	Waterproof Rating	DAMP		
OTHERS	Operating Temperature	-40℃ TO 50℃		
	Storage Temperature	-40℃ TO 80℃		
	Operating Humidity	20％ - 70％ RH		
	Storage Humidity	10％ - 75％ RH		
	Warranty	5 years		

PACKAGE

	Size	Qty / Carton	Net Weight / Carton	Gross Weight / Carton
Inner box	110*110*255MM/4.3*4.3*10IN	1 PC	0.78 KG/1.72lb	0.88 KG/1.94lb
Outer box	460*350*270MM/18.1*13.8*10.63IN	12 PCS	9.4KG/	13.0 KG/28.66lb

Tolerance of Outer Carton Size: ±15 MM/±0.59IN, Tolerance of Weight: ±10%.
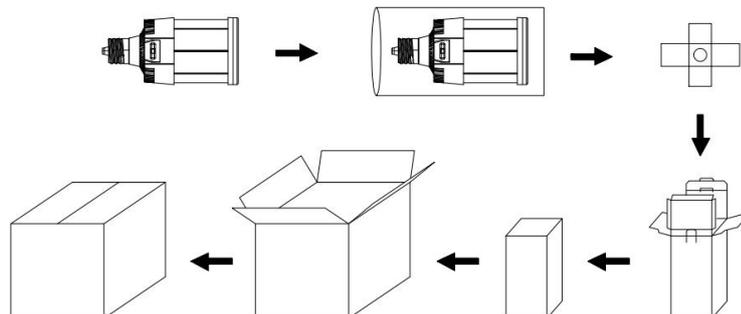
LIGHT DISTRIBUTION TESTING PARAMETERS < Clear PC >

Remark: The testing data comes directly from the product test.

Luminaire Property

Luminaire Manufacturer:
Voltage: 122.5 V
Power: 143.50 W

Current: 1.182 A
Power Factor: 0.991

Photometric Results

CIE Class: General Diffuse
Measurement Flux: 23140.3 lm
Downward Ratio: 55%
Horizontal Diffuse Angle(10%,50%): H329.6,H285
Vertical Diffuse Angle(10%,50%): V330.5,V285.6
Luminaire Efficacy Rating (LER): 161.31
Max. Intensity: 2328.47 cd
S/MH(C0/C180): 2.52

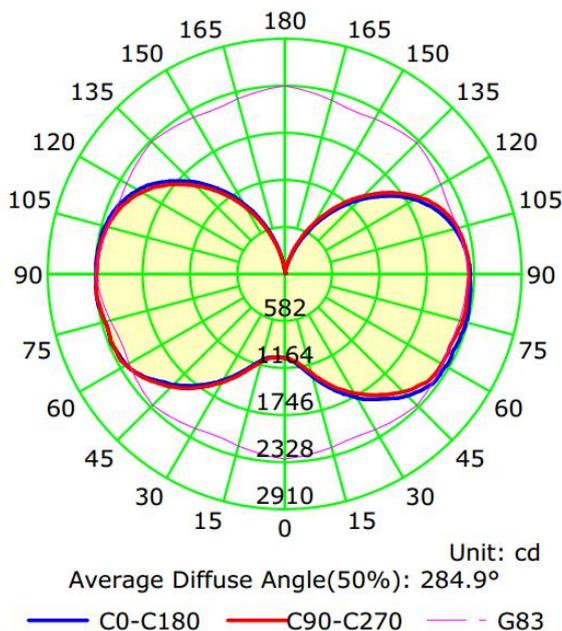Total Rated Lamp Lumens: 23140.3 lm
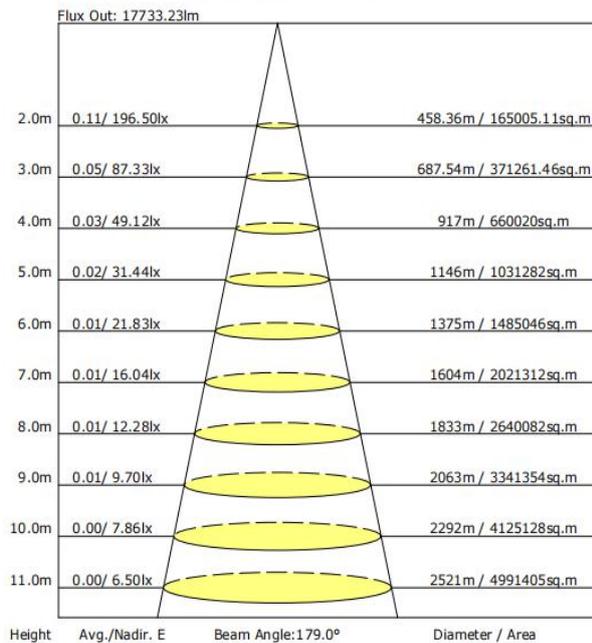Efficiency: 100%
Upward Ratio: 45%

Central Intensity: 1041.45 cd
Pos of Max. Intensity: H180 V83
S/MH(C90/C270): 2.50

Luminous Intensity Distribution Curve

582
1164
1746
2328
2910

Unit: cd
Average Diffuse Angle(50%): 284.9°

—— C0-C180 —— C90-C270 — - G83

The Average Illuminance Effective Figure

Flux Out: 17733.23lm

Height	Avg./Nadir. E	Beam Angle:179.0°	Diameter / Area
2.0m	0.11/ 196.50lx		458.36m / 165005.11sq.m
3.0m	0.05/ 87.33lx		687.54m / 371261.46sq.m
4.0m	0.03/ 49.12lx		917m / 660020sq.m
5.0m	0.02/ 31.44lx		1146m / 1031282sq.m
6.0m	0.01/ 21.83lx		1375m / 1485046sq.m
7.0m	0.01/ 16.04lx		1604m / 2021312sq.m
8.0m	0.01/ 12.28lx		1833m / 2640082sq.m
9.0m	0.01/ 9.70lx		2063m / 3341354sq.m
10.0m	0.00/ 7.86lx		2292m / 4125128sq.m
11.0m	0.00/ 6.50lx		2521m / 4991405sq.m

TROUBLESHOOTINGING

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.
Light is not coming on	Check the electrical connection.