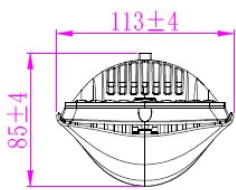




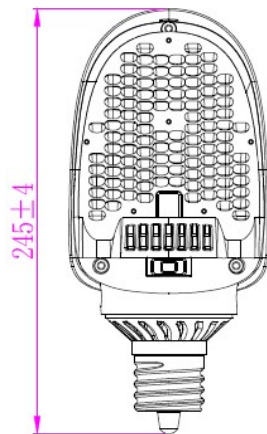
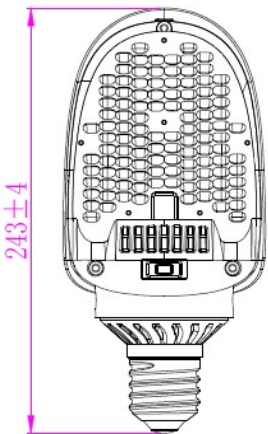
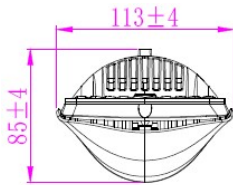
**PLT-12963 - 12/18/27W, 5000K, E39 Base**

## DIMENSIONS

**E39**



**EX39**



NPS-00090\*

\*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 wiring is insulated.
- Installation, service, and maintenance of luminaires should be performed by a qualified licensed electrician.
- Suitable for damp locations. Do not use with dimmers.
- Make sure to remove or bypass the ballast in the fixture before installing the lamp.
- Suitable for use in enclosed luminaires, min. Luminaire compartment dimensions: 340\*200\*200MM.

## ADVANTAGE

- UL cUL certificate
- E39 or EX39 lamp base
- Big heat sink, NO fan
- Internal driver, input voltage AC120-277V  
1-10V dimming .
- Wattage adjustable options are available, segmented wattage adjustable
- Meets 4KV surge immunity level
- Long lifespan and good heat dissipation
- Direct replacement for Metal Halide, easy installation
- Fits many different fixtures to replace traditional lamps
- Operating ambient temperature up to 50 degrees Celsius
- Rotatable, ensures light output is aimed directly out of the fixture

## APPLICATION

- Replacement Lamps for Outdoor Pole/ Arm-mounted Area and Roadway Luminaires(UL Type B).

## SPECIFICATIONS

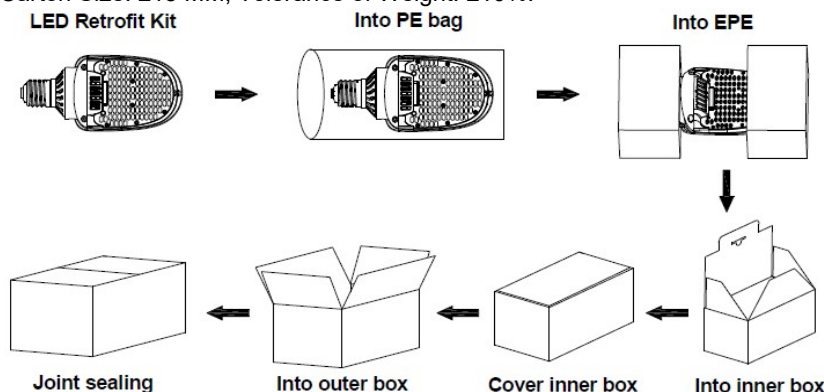
<b>OPTICAL</b>	Input Power (Tolerance : ±10%)	27W(12W/18W/27W via switch)						
	Color Temperature	3000K**	3500K**	4000K**	4500K**	5000K	5700K**	6500K**
	Lumen (Tolerance : ±10%)-In Luminaire	2846 LM	2883 LM	2920 LM	2957 LM	2994 LM	3031 LM	3068 LM
	Efficacy (Tolerance : ±3%)-In Luminaire	108LM /W	109LM /W	110 LM /W	111 LM /W	113 LM /W	114 LM /W	115 LM /W
	CRI	>80						
	Color Consistency	<6 Steps (or <6 SDCM)						
	Diffuser Type	TYPEIII						
	Beam Angle(50%)(Tolerance : ±25%)	110Degree						
<b>ELECTRICAL</b>	Input Voltage and Frequency	120-277VAC 50/60Hz						
	PF (Tolerance : -3%)	≥0.9						
	THD (Tolerance : +5%)	≤20%						
	Flicker Percent	<5%						
	Driver Surge protection	L-N: 4kV						
	Dimmable	0-10V dimming standard (through switch on the lamp)						
	Sensor Type	NO						
	Optional Accessory	NO						
	Equivalent	60W CFL, 100W MHL/HPS/HID						
<b>MATERIALS</b>	LED Brand	LUMILEDS						
	LED Type	SMD2835						
	LED QTY	56PCS						
	Housing	PC + Aluminum						
	Housing Color	Any colour						
	Waterproof Rating	DAMP (IP64)						
<b>OTHERS</b>	Operating Temperature	-40°C TO 50°C						
	Storage Temperature	-40°C TO 80°C						
	Operating Humidity	20%-70% RH						
	Storage Humidity	10%-75% RH						
	Warranty Time	5 years						

\*Multiple CCT options available via Special Order. Call 1-800-624-4488.

## PACKAGE

	Size	Qty / Carton	Net Weight / Carton	Gross Weight / Carton
Inner box	290*135*105 MM	1PCS	0.7 KG	0.87 KG
Outer box	560*310*235 MM	8PCS	5.6 KG	7.6 KG

Tolerance of Outer Carton Size: ±15 MM, Tolerance of Weight: ±10%.



## LIGHT DISTRIBUTION TESTING PARAMETERS

Remark: The testing data comes from the product in luminaires.

## Luminaire Property

Luminaire Manufacturer:  
 Luminaire Category:  
 Lamp Catalog:  
 Number of Lamps:  
 Luminous Length (mm):  
 Luminous Height (mm):  
 Current: 0.225 A  
 Power Factor: 0.972

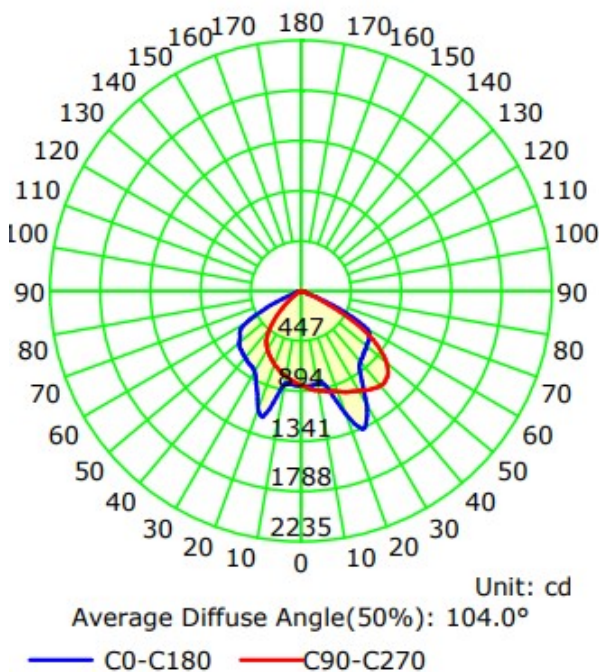
Luminaire Description:  
 Lamp Description:  
 Lumens per Lamp:  
 Luminous Width (mm):  
 Voltage: 120.0 V  
 Power: 26.31 W

## Photometric Results

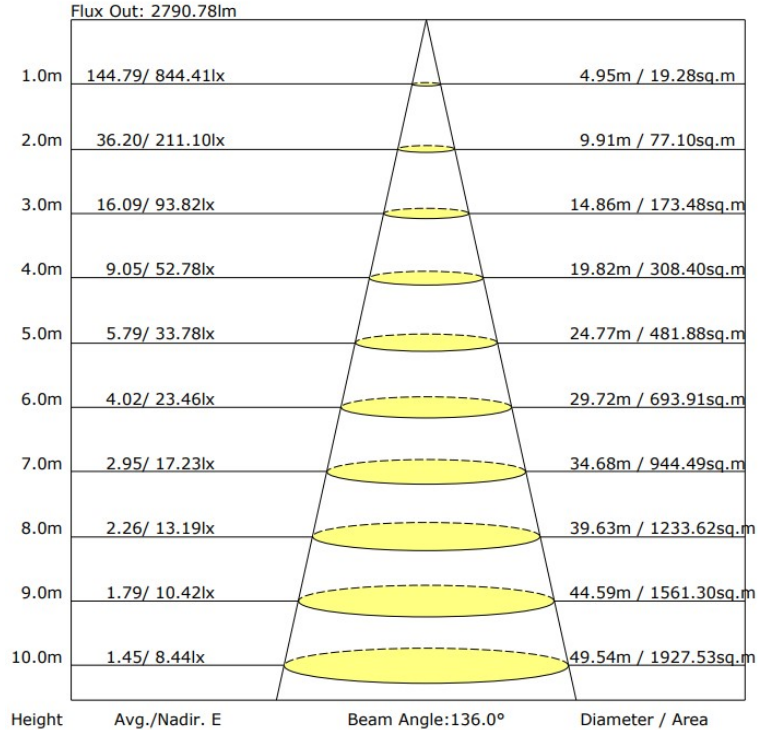
IES Classification: Type II  
 Total Rated Lamp Lumens: 2846.7 lm  
 Efficiency: 100%  
 Upward Ratio: 0%  
 C0r0 Intensity: 844.41 cd  
 Pos of Max. Intensity: H45 V32  
 Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 114.1, 93.9, 70.4, 96.8

Longitudinal Classification: Very Short  
 Measurement Flux: 2846.7 lm  
 Downward Ratio: 100%  
 Luminaire Efficacy Rating (LER): 108.25  
 Max. Intensity: 1788.62 cd

Luminous Intensity Distribution Curve



The Average Illuminance Effective Figure



## 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.
Light is not coming on	Check the electrical connection.