



PowerLux™

LED STREET LIGHT

New Energy Saving High Brightness LED

Powerlux High Power LED Street Light is a new solution for traditional illuminating. Direct connection to 100~240VAC AC Power, the LED Street Light embodying state-of-the-art high power LED technology is a green energy "environmental friendly" product.

Encased in a professional styled cast aluminium alloy housing which is powder coated with a special material and process which promotes self-cleaning as well as protection from the elements. They are also dust and waterproof and produce no UV Emissions which further enhances the "green" aspect of this range of products.

All of the installation hardware is made of high grade stainless steel to prevent corrosion and provide secure installations to new or existing light poles. The LED Street Light is easy to install or retro-fit to existing build-out for path, streets, road, and municipal applications.



Powerlux PWL-LSLU 4

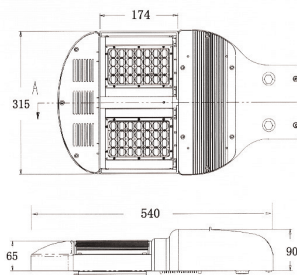


Powerlux PWL-LSLU 2

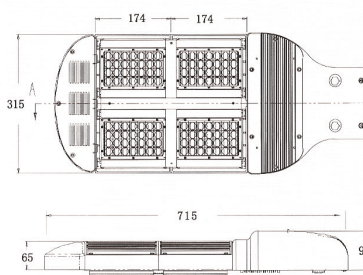


Powerlux PWL-LSLU 6

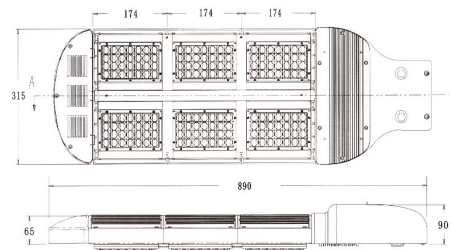
LU2Figure



LU4Figure



LU6Figure



Bringing You Tomorrow's Technology Today

Technical data

Technical Parameters :	Model PWL-LSLU2	Model PWL-LSLU4	Model PWL-LSLU6	
Input Voltage	85 ~ 264 VAC			
Frequency Range	47 ~ 63 Hz			
Power Factor	> 0.9			
Total Harmonic Distortion	< 20%			
Power Efficiency	85%			
LED Consumption	56W	112W	168W	
Power Supply Consumption	10W	20W	30W	
LED Luminous Efficiency	> 80 lm/w			
LED Maintain Flux	4,600 lm (Tj=60°C, Ta=25°C)	10,000 lm (Tj=25°C)	14,000 lm (Tj=60°C, Ta=25°C)	
Lamp's Efficiency (%)	>90%			
Illumination (E) (height)	6M	>26LUX	>53LUX	>80LUX
	8M	>15LUX	>30LUX	>45LUX
	10M	>9LUX	>18LUX	>28LUX
	12M	>6LUX	>13LUX	>20LUX
Effective Illuminated Area	(height = 6M) : 20 x 8 M	(height = 10M) : 33 x 13 M	(height = 8M) : 26 x 10 M	(height = 12M) : 40 x 16 M
Colour Temperature (CCT)	Pure White : 5,000 ~ 7,000K ; Warm White : 3,000 ~ 4,000K			
Colour Index (CRI)	Ra>75			
Light Source	1 watt LED			
Light Distribution Pattern	Asymmetric (Bat Wing) / Rectangular Beam			
Max. Light Intensity Angle	120°: The Horizontal Axis:110°,The Vertical Axis:45°; 140°:The Horizontal Axis 130, The Vertical Axis:45°			
Light Beam Angle	120°: The Horizontal Axis:120°,The Vertical Axis:60°; 140°:The Horizontal Axis 140, The Vertical Axis:60°			
Junction Temperature (Tj)	60 °C ±1 0 % (Ta = 25°C)			
Working Temperature	- 30 °C ~ 50 °C			
Working Humidity	10% ~ 90% RH			
Storage Temperature	10°C ~ 85°C			
Working Life	>50,000 Hrs			
Light Body & Lampshade Material	Alluminium Alloy and PC			
Dimensions (mm)	540(L) x 316(W) x 90(H)	715(L) x 315(W) x 90(H)	890(L) x 315(W) x 90(H)	
Net Weight	7kg	10kg	13kg	
IP Rating	IP65			

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