

## Street Light SLT90 (P30W, P50W, P60W)



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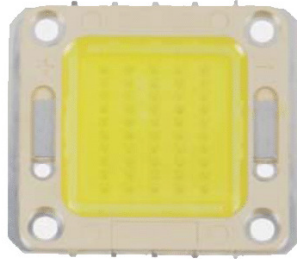
## Parameter

<b>References</b>	02-SLT90 P30W, P50W, P60W
<b>Light source</b>	LED
<b>Input voltage</b>	AC (85V ~ 256V) DC (12V 24V)
<b>Internal voltage</b>	12V ~ 24V
<b>Power factor (PF)</b>	> 0.9
<b>Power</b>	30W, 50W, 60W
<b>Light efficiency</b>	> 90lm/w
<b>Color temperature (CCT)</b>	2700 – 7000K
<b>CRI</b>	> 80
<b>View angle</b>	120°
<b>Work temperature</b>	-30°C ~ 50°C
<b>Work humidity</b>	10% ~ 95% RH
<b>Life time</b>	> 50000 Hrs
<b>Case body and lampshade</b>	Aluminium alloy and toughened glass
<b>Dimension of the external box (Lx Wx H)</b>	63x30x20cm
<b>Quantity (PCS)</b>	1 pcs in a carton
<b>Net weight</b>	8 Kg
<b>Ip grade</b>	IP65

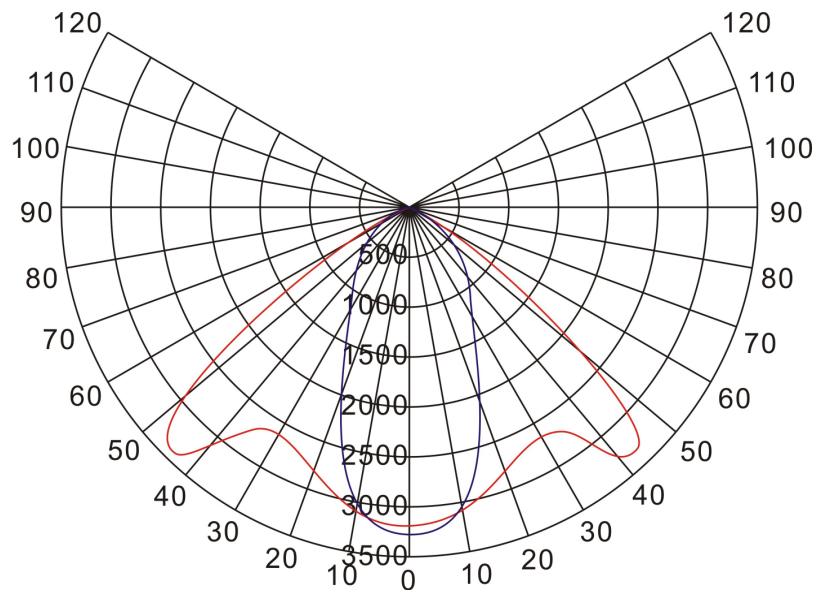
## Product characteristics

1. SLT90 series high power LED street light is one of green environment protected new lights which our company chooses imported chips and self-encapsulated integrated chips LED as light source & which accord with GB7000.5 – 2005 standard (road and street Luminance lighting safety requirements).
2. Logical structure, beautiful appearance, wetness & heat endurance, perfect airproof
3. High fixture efficiency, real vision; on harm to eyes and skin; safe use.
4. Choose new types of LED lightings and outfit specially designed light-fit system. Light working life is 50000hrs which can be used over 10 years. Don't need replace lamp for it's whole life. Under same lux, the lights can save energy 60% more than high voltage sodium lamps.
5. Agile & convenient installation.
6. Environment protected, energy saved, no empoison. LED is no empoison for environment, and stable for capability which realizes real green environment protected energy saving lighting.
7. Applicability scope: SLT90 series LED street lights can be used for city roads, habitation areas, industrial areas, pedestrian crossing, squares, gardens, schools, villas, yards, etc.

## LED Chip



## Photometric Results



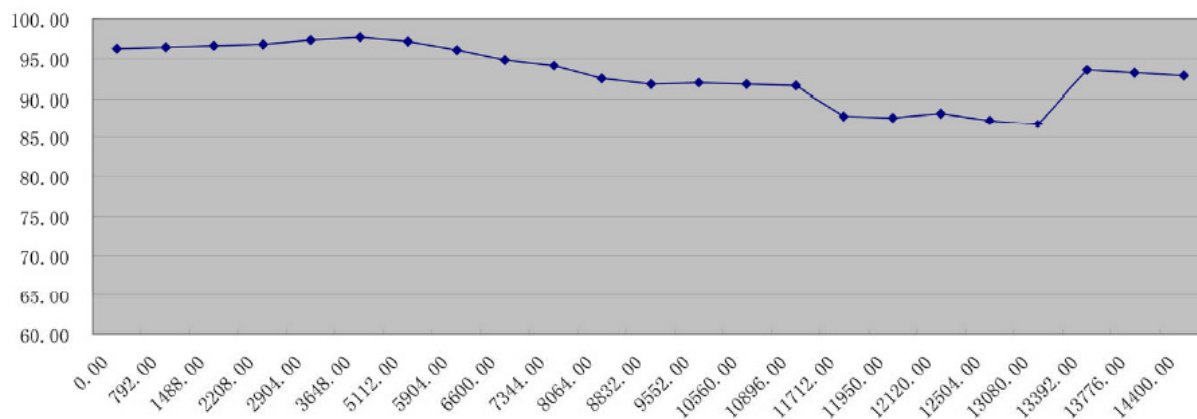
## Luminance Measurement

LED power	Pole height	Distance between two poles	Luminance (lux)		Uniformity
			center	average	
30W	5m	15m~20m	51	21	0.4
	6m	18m~24m	36	19	
	7m	21m~28m	29	17	
	8m	24m~32m	20	15	
50W	5m	15m~20m	58	22	
	6m	18m~24m	42	20	
	7m	21m~28m	35	18	
	8m	24m~32m	26	16	
60W	6m	18m~24m	65	23	
	7m	21m~28m	48	20.5	
	8m	24m~32m	40	19	
	9m	27m~36m	32	17	

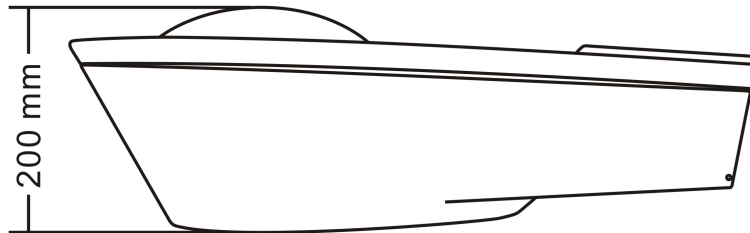
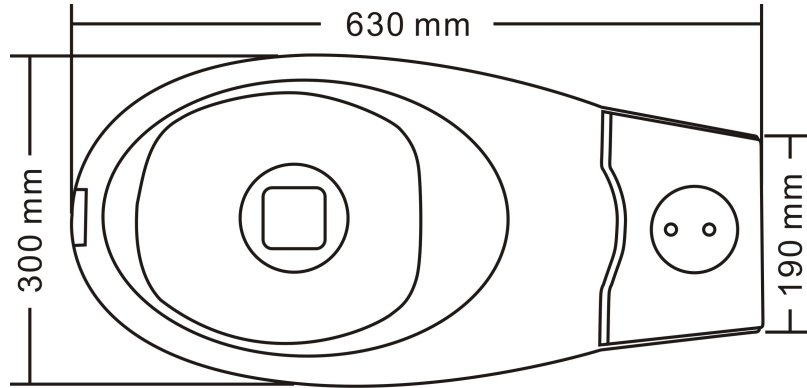
## Light decay

High power LED street light life time test report (test condition)

Use single 70W high power LED street light, outdoor continuously keep ON, for 14'400 h



## Product Dimensions



## Usage and installation

1. This product is applicable for wide voltage AC power supply network, environmental temperature is around  $-40^{\circ}\text{C}$ ~ $55^{\circ}\text{C}$ .
2. During installation please first to fix the street lights on poles through installation brackets.4.3.1 If power supply is DC driven, red cable of street light for anode, white cable for cathode.
3. If power supply is AC, DC driven, colored cable of street lights should be connected with ground (having nameplate with ground)
4. Connecting power supply after checking, lights can work.
5. Installation (As below picture shows):
6. Open the stainless clasper, and open the crust of the street light and open under prop. Connect cables of street light. Pay attention to the notes of connection. Cable connection should be distinguished zero wire N, ground wire, live wire. Set sealed circle onto bracket tube of light pole and set into light installation loop. Please note to set it on an even keel and fix with bolt. The largest buckle stainless clasper. Don't press light wires.

