



Excellent
Quality



Thelux

Diamond series
TSL-RO02

LED STREET LIGHT
5 YEARS GUARANTEE
50-250W 85-265V SPD10KV
DESIGNED & MADE IN THELUX
<http://www.theluxchina.com>



Product guideline

Item Model: TSL-R002

Marketing item

Description: LED STREET LIGHT

85-265VAC - 110lm/W, PF>0.9

Philips 3030 6v1W, Thelux Driver, SPD10KV

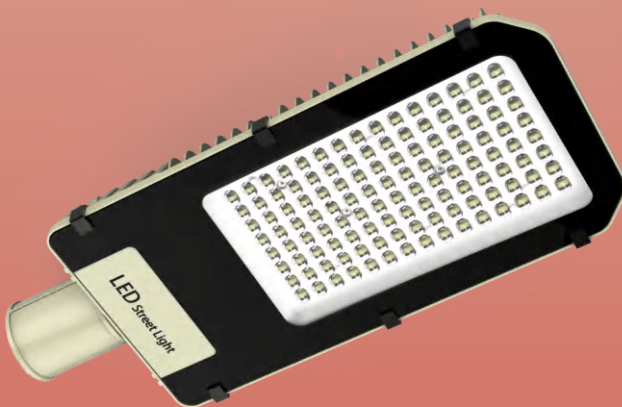
Approved issue: 01 / 07 / 2021



Signature of Technical Manager

Product Specifications

Model No.	TSL-R002
Power	50 /100 /150 /200 /250
PF	>0.95
SPD	6KV /10KV /20KV
Vin.	85-265V
Material	Die-casting Aluminum
Lens Material	PC
Beam Angle	70°*145°
Tempered Glass	Yes, Ik06 /IK08
Protection	Ip65
LED type	SMD3030
LED Quantity	60 /120 /180 /240 /300
lm/W	110
Total Lumen Output	5500 / 11000 / 16500 /22000 /27500
Driver Type	Isolated Driver
Driver Protection	Ip68 /IP65
Guarantee	5 Years
Certificate	CE /RoHS



1. character and application

Private products, easy to install. The lamp body is made of die-casting aluminum alloy, which makes drivers have good heat dissipation, and improves the life of the product. This lamp is suitable for installation at 10~12m height, and The distance is 3~3.5 times the height.

2. Light source characteristics

Adopt domestic famous brand SMD light source, which has high brightness, small light attenuation and longer service life.

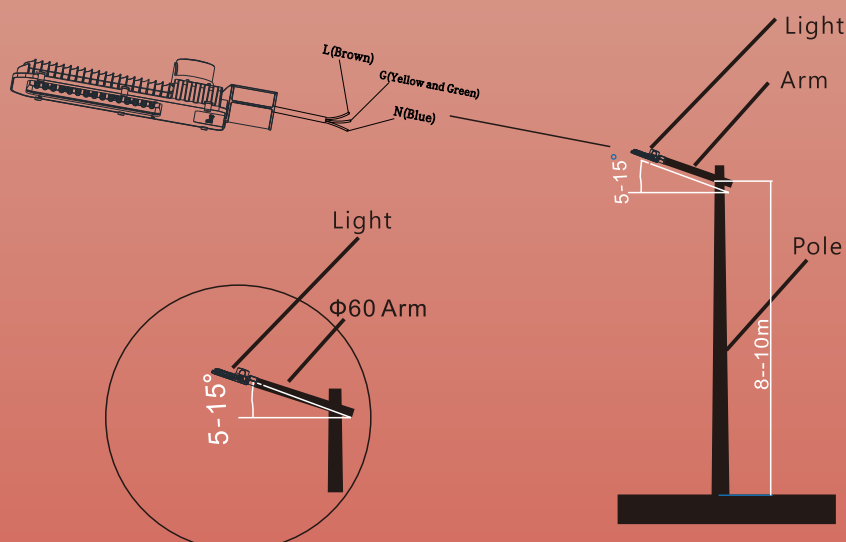
3. Power supply characteristics

Adopt high-stability isolated constant current power supply scheme, it has the characteristics of over-temperature protection, wide voltage range, high power factor, high efficiency and good heat dissipation effect.

4. Heat sink feature

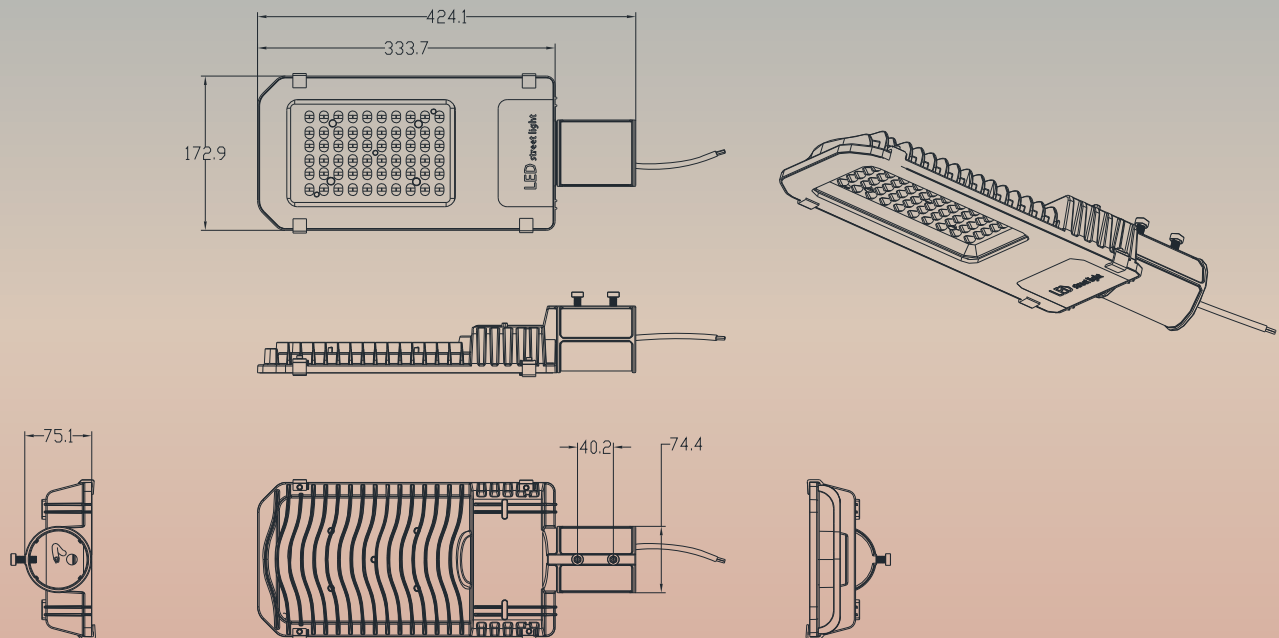
Adopt high-purity aluminum radiator with high thermal conductivity. The aluminum radiator is specially designed, which increases the radiating area, enhances the heat exchange efficiency of cold and hot air, which can reduces the temperature of the light source and ensures the stability of the product function, and has a longer service life.

4. Installation Diagram

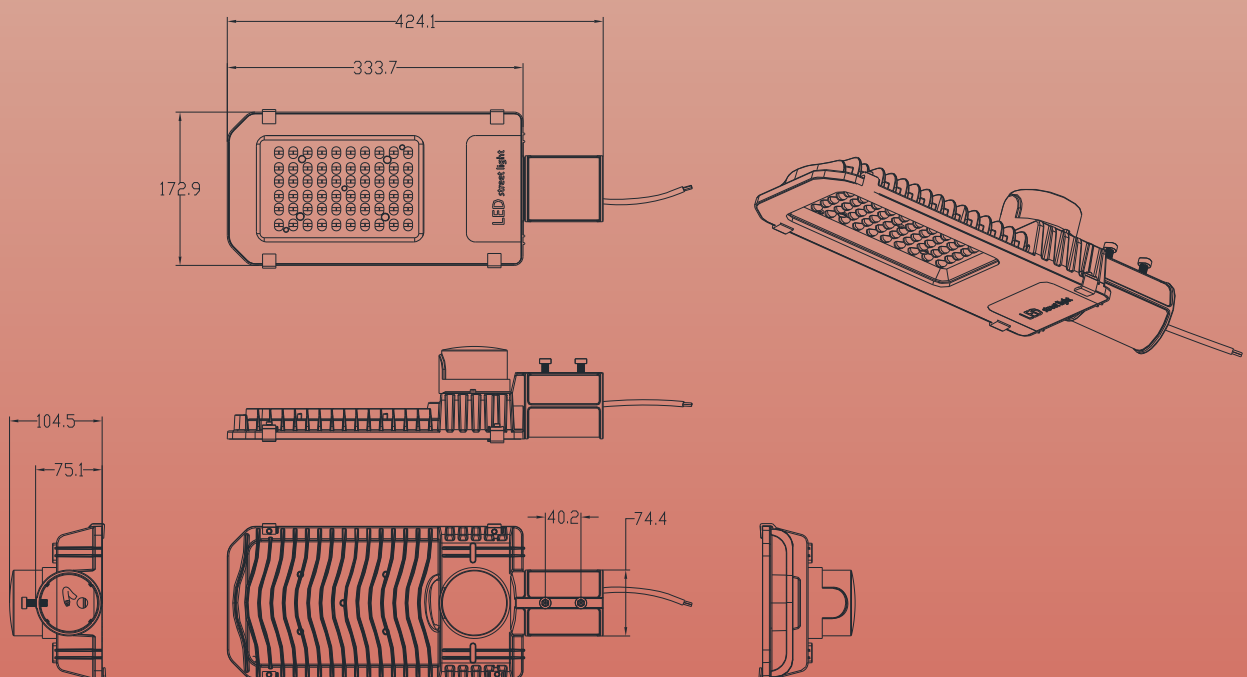


Product size diagram: 50W

I .Standard version model 424.1mm*172.9mm* 75.1 mm.

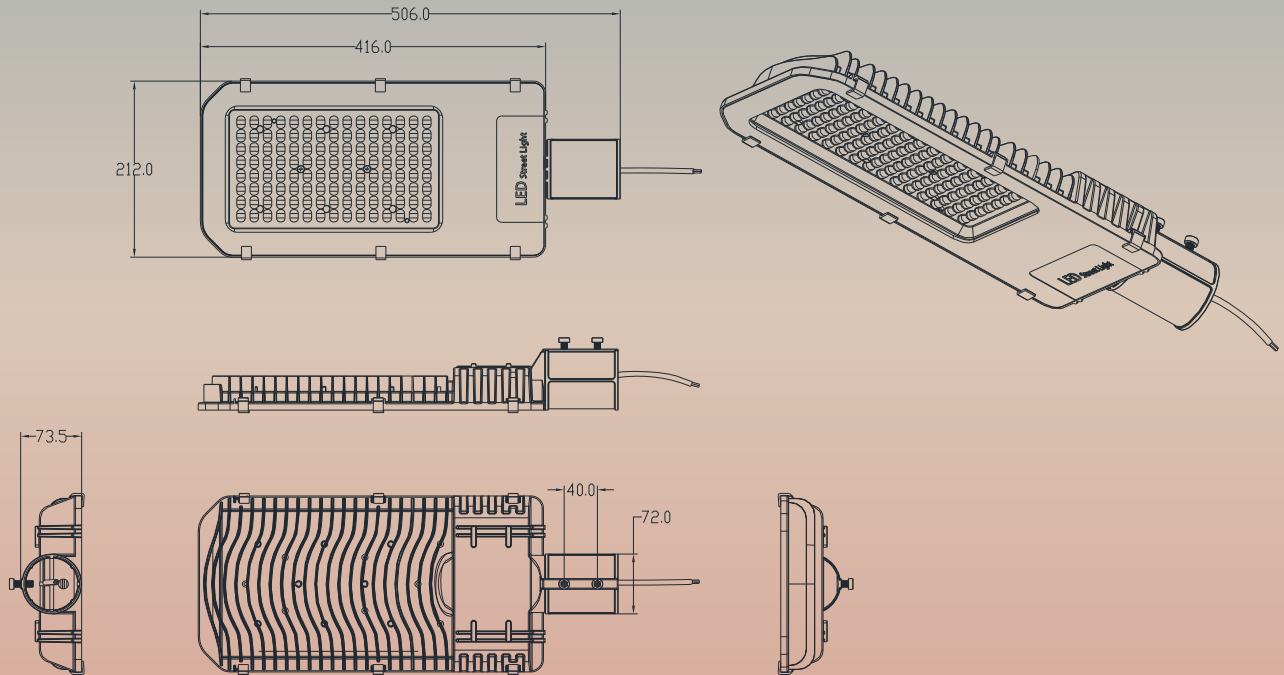


II .Light-induced version model 424.1mm*172.9mm* 104.5 mm

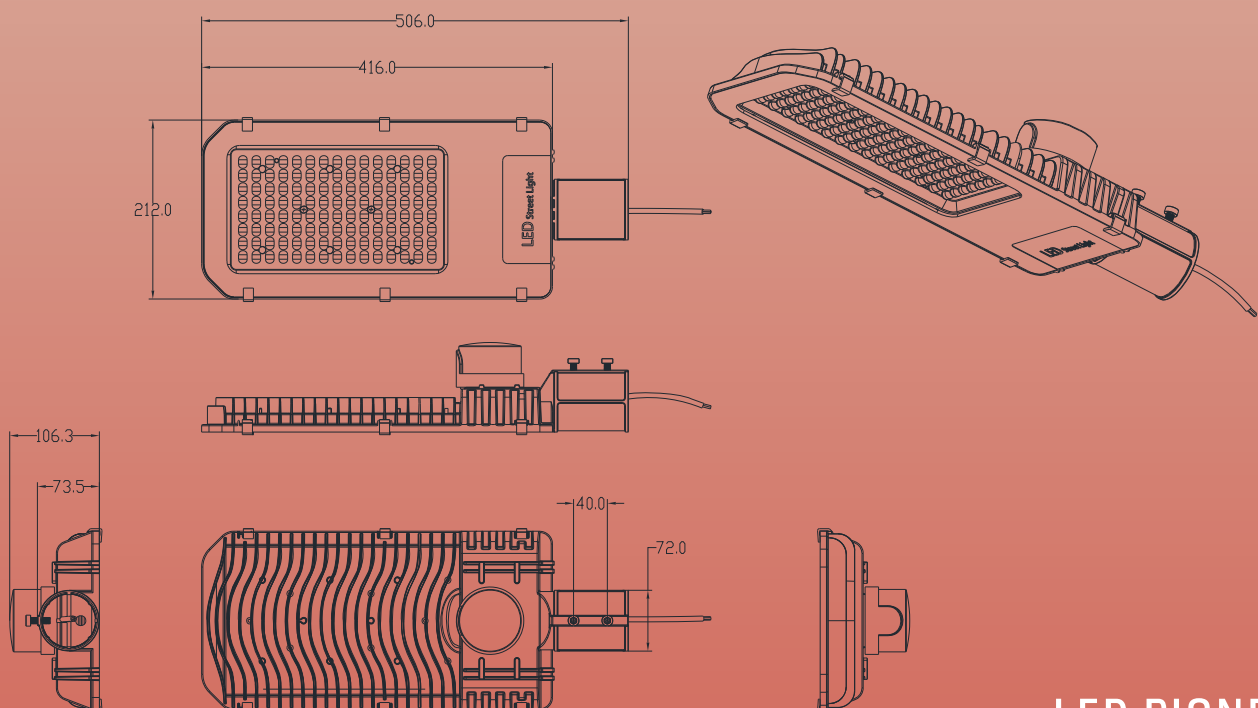


Product size diagram: 100W

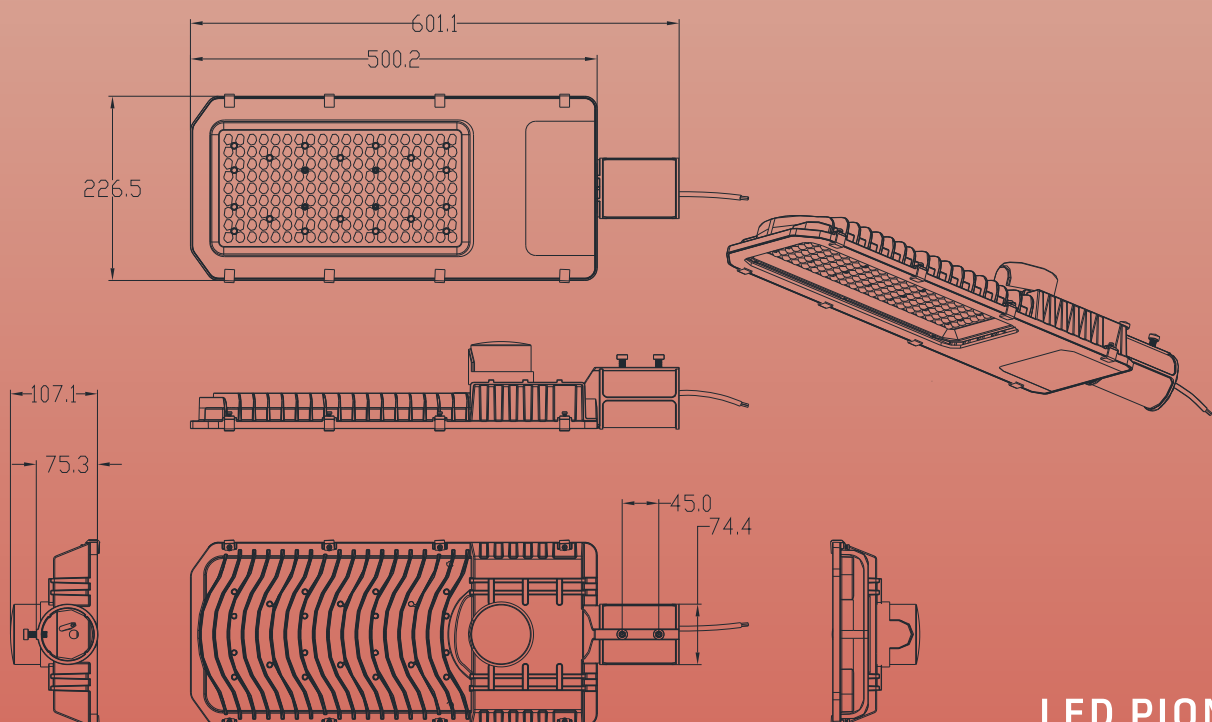
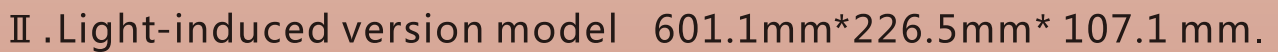
I .Standard version model 506.0mm*212.0mm* 73.5 mm.



II .Light-induced version model 506.0mm*212.0mm* 106.3 mm.

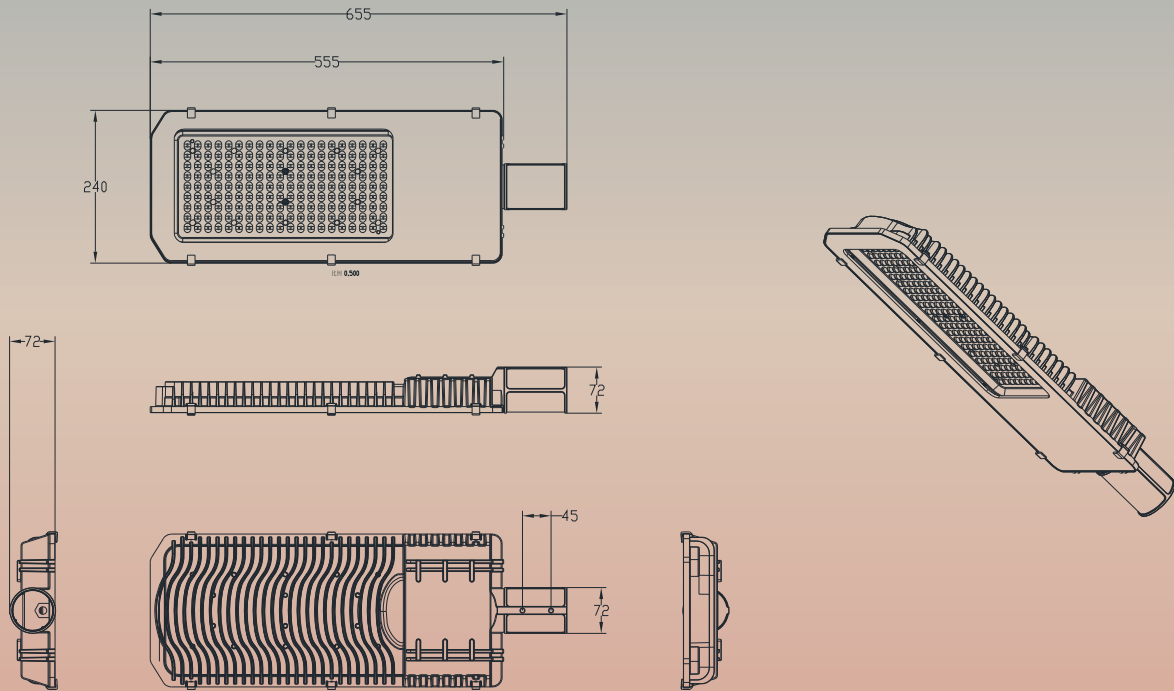


I .Standard version model 601.1mm*226.5mm* 75.3 mm.

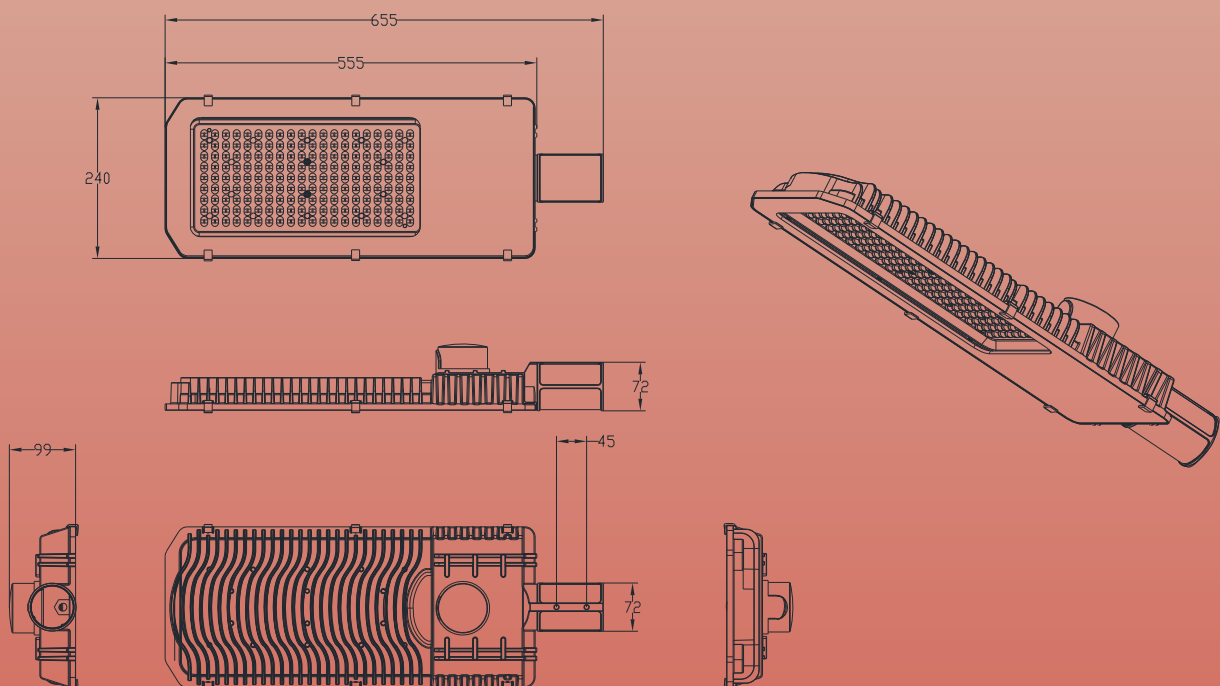


Product size diagram: 200W

I .Standard version model 655mm*240mm* 72 mm.

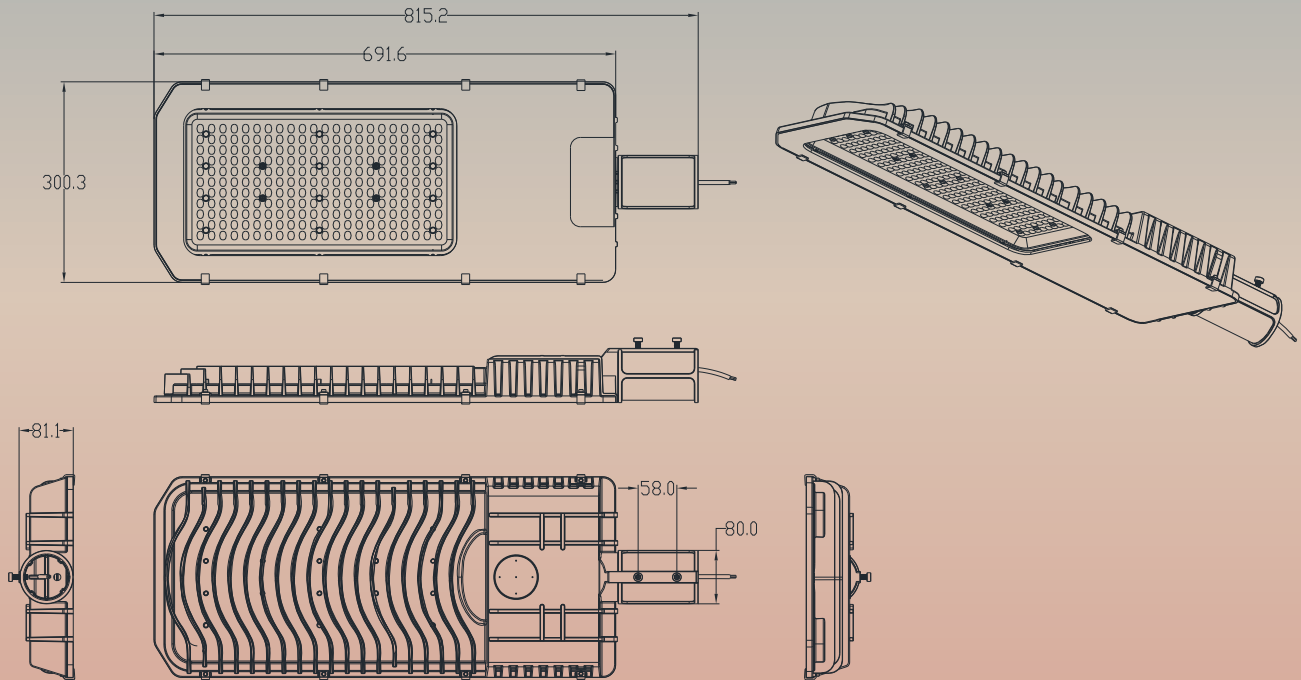


II .Light-induced version model 655mm*240mm* 99 mm

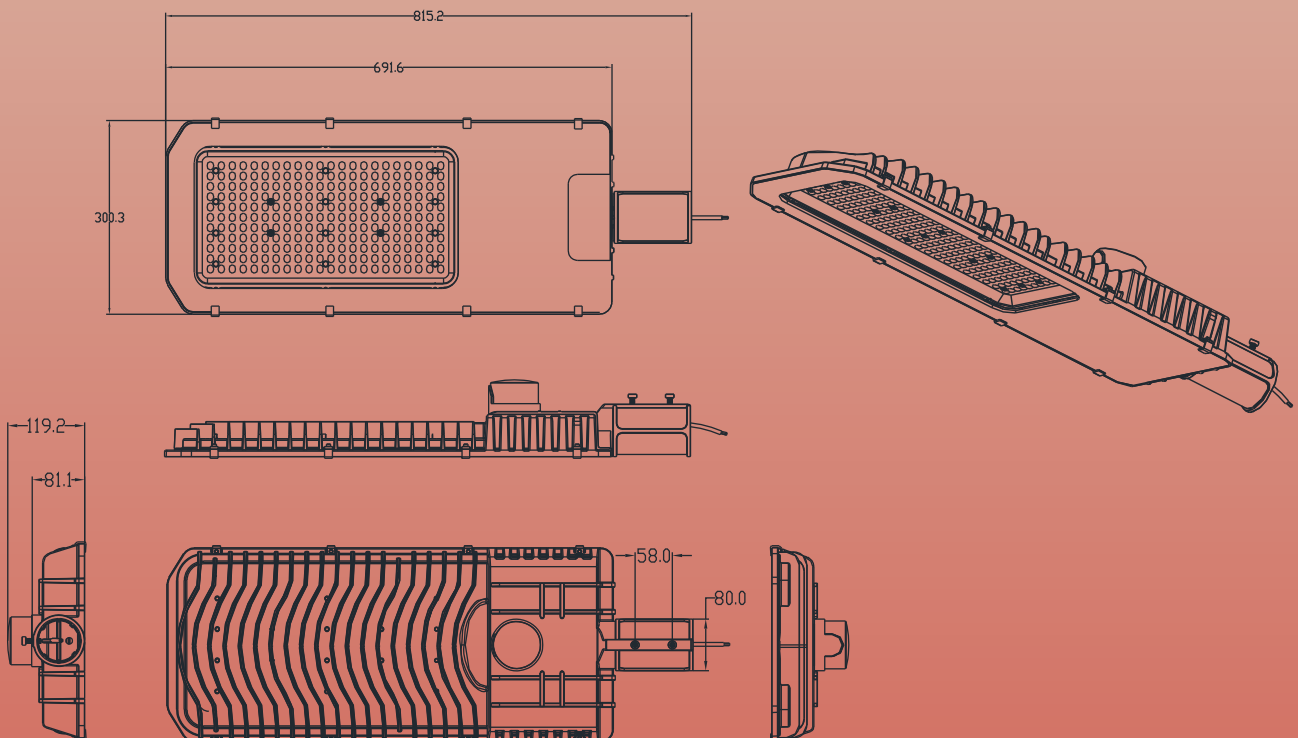


Product size diagram: 250W

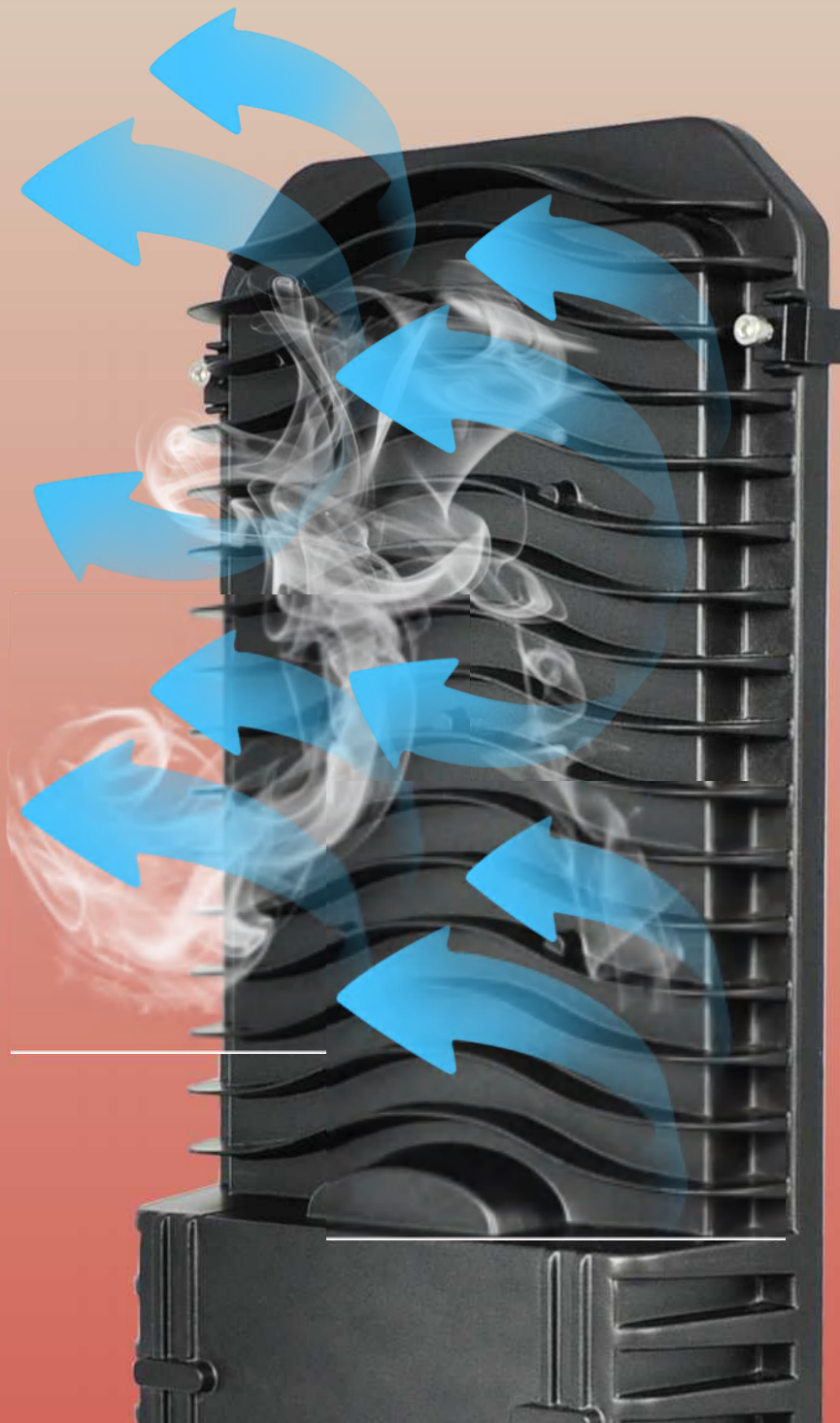
I .Standard version mode 815.2mm*300.3mm* 81.1 mm.



II .Light-induced version mode 815.2mm*300.3mm* 81.1 mm.



Heat sink, strong and heavy aluminum



Temperature test report

Product Name	position	Temperature	Ambient temperature	Temperature rise
Diamond TSL-R002	LED junction	87.9	28.4	59.5
	PCB	83.8	28.4	55.4
	housing	81.1	28.4	52.7
	Driver	77.1	28.4	48.7

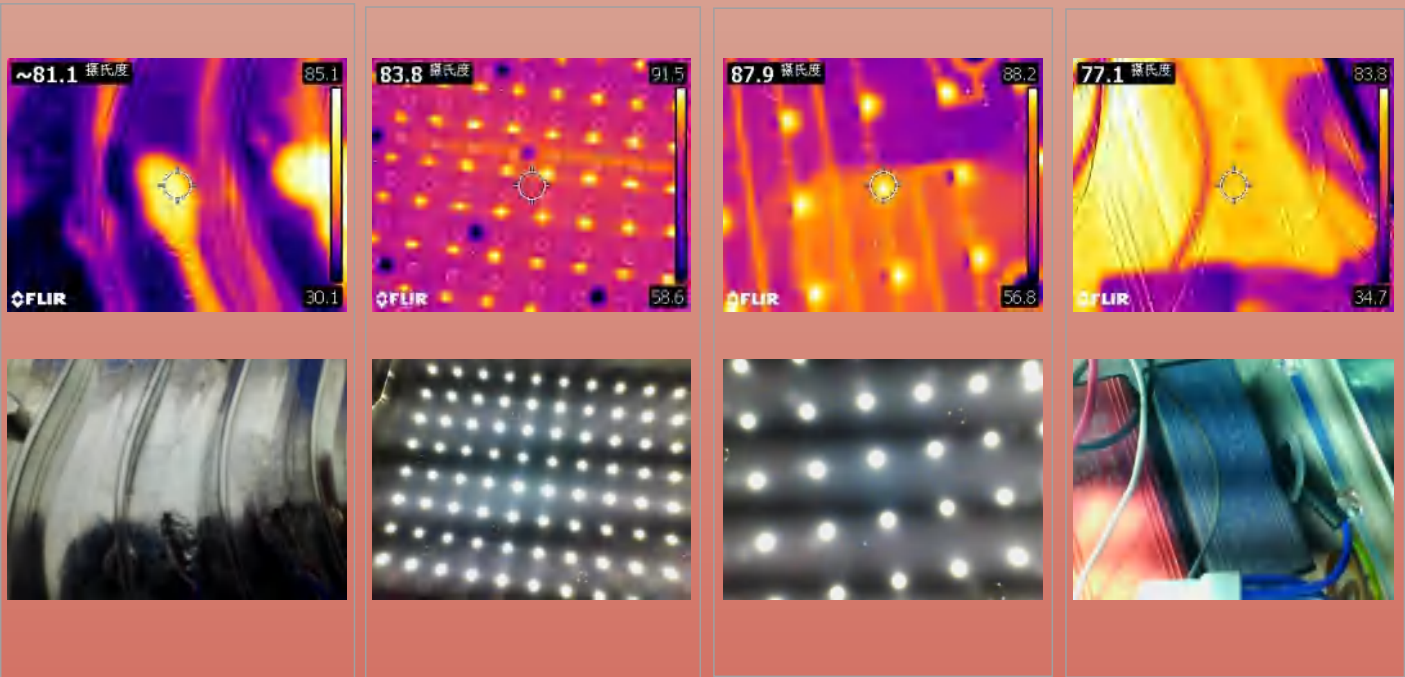
Thermal imagery

housing

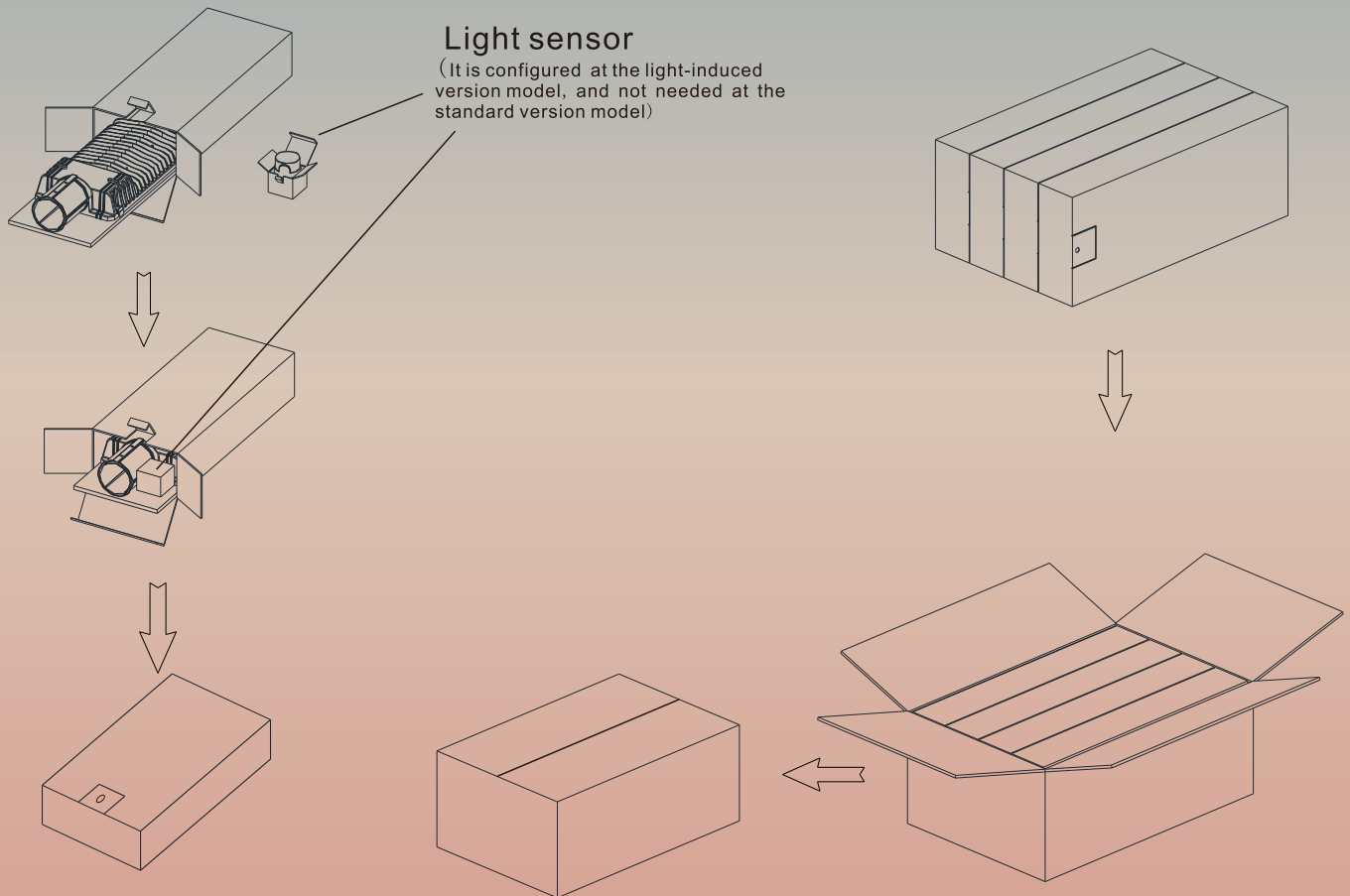
PCB

LED junction

Driver



Packing diagram



Model No.	N. W. /KGs	G. W. /KGs	Box size /mm	Carton size /mm	Packing QTY/ PCS
TSL-R002/50	1.53	18.7	185x95x435	495x385 x450	10
TSL-R002/100	2.6	18.46	225x95x515	465x300x530	6
TSL-R002/150	3.65	18.82	240x95x608	620x410x255	4
TSL-R002/200	5.2	22.6	250x95x660	670x410x265	4
TSL-R002/250	7.81	8.72	860x335x110	860x335x110	1



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