Excellent
Quality

LED street light

C E

RoHS
Compliant ✓

Thelux

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

Diamond series
TSL-R002

Diamond series
TSL-R002

Thelux

ENERG Y IA
енергия · ενέργεια

A++
A+
B
C
D
E

A++

XXX kWh/1000h

LED Street Light

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

CE

RoHS
Compliant ✓

Signature of Technical Manager

Diamond series TSL-R002

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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

LED PIONEER
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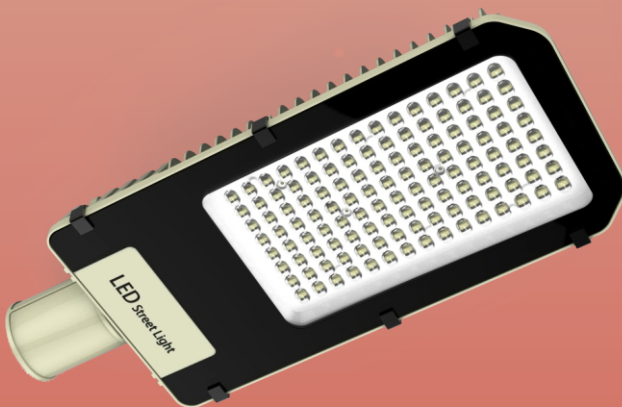
1. character and application

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

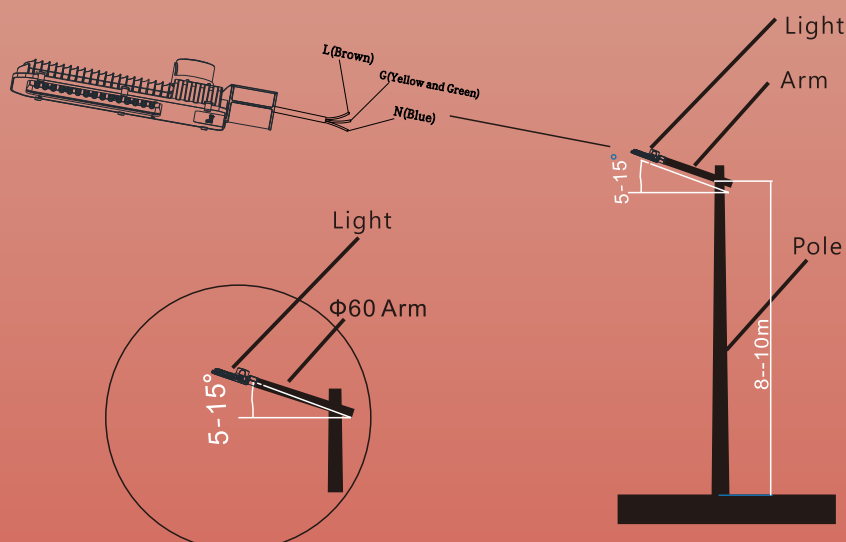Adopt domestic famous brand SMD light source, which has high brightness, small light attenuation and longer service life.

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.
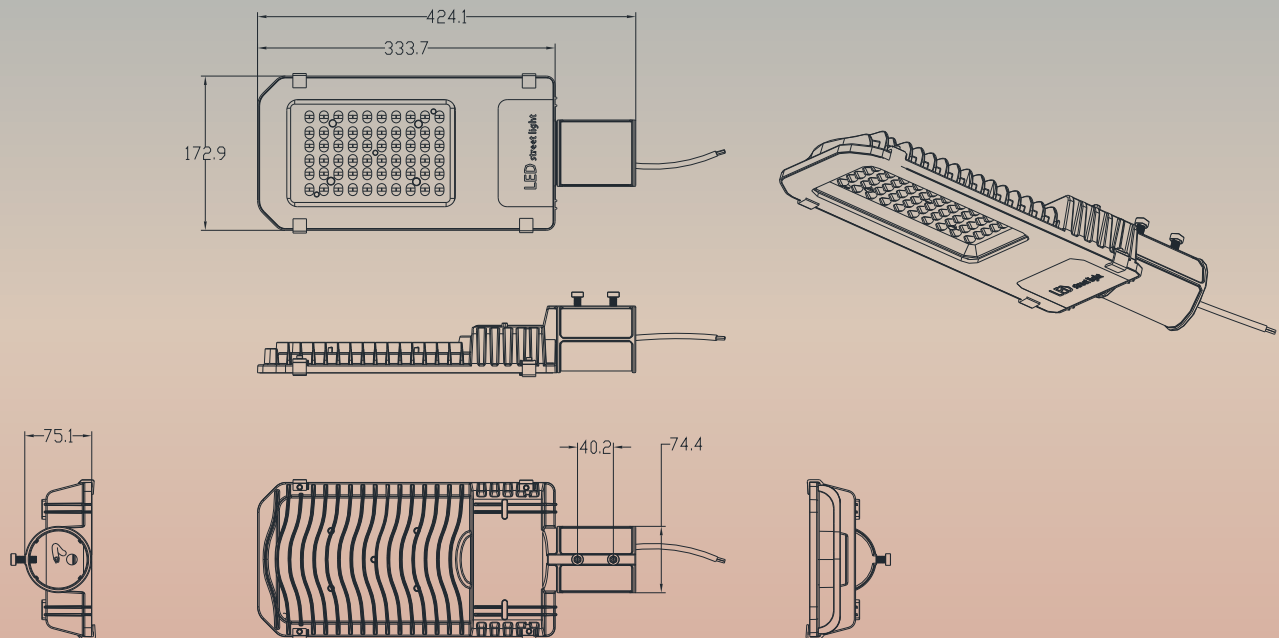
4. Heat sink feature

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.
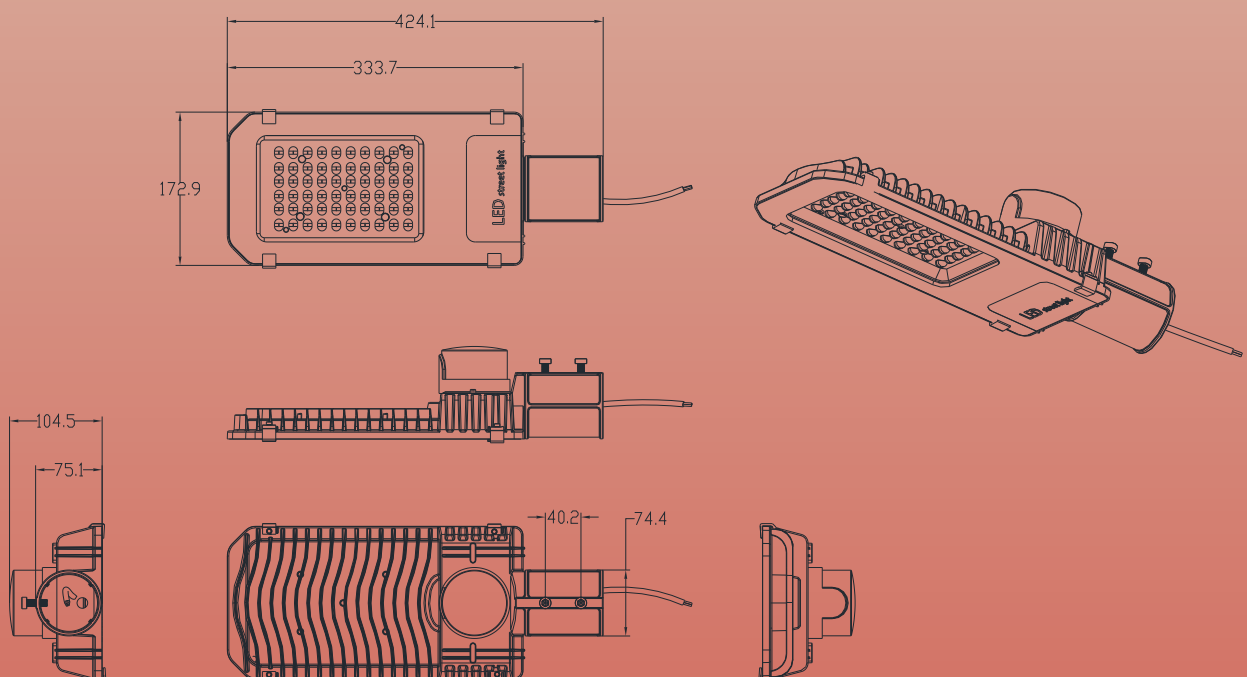
4. Installation Diagram

L(Brown)
G(Yellow and Green)
N(Blue)

Light
Arm
5-15°
Pole
8--10m

Light
Φ60 Arm
5-15°

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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

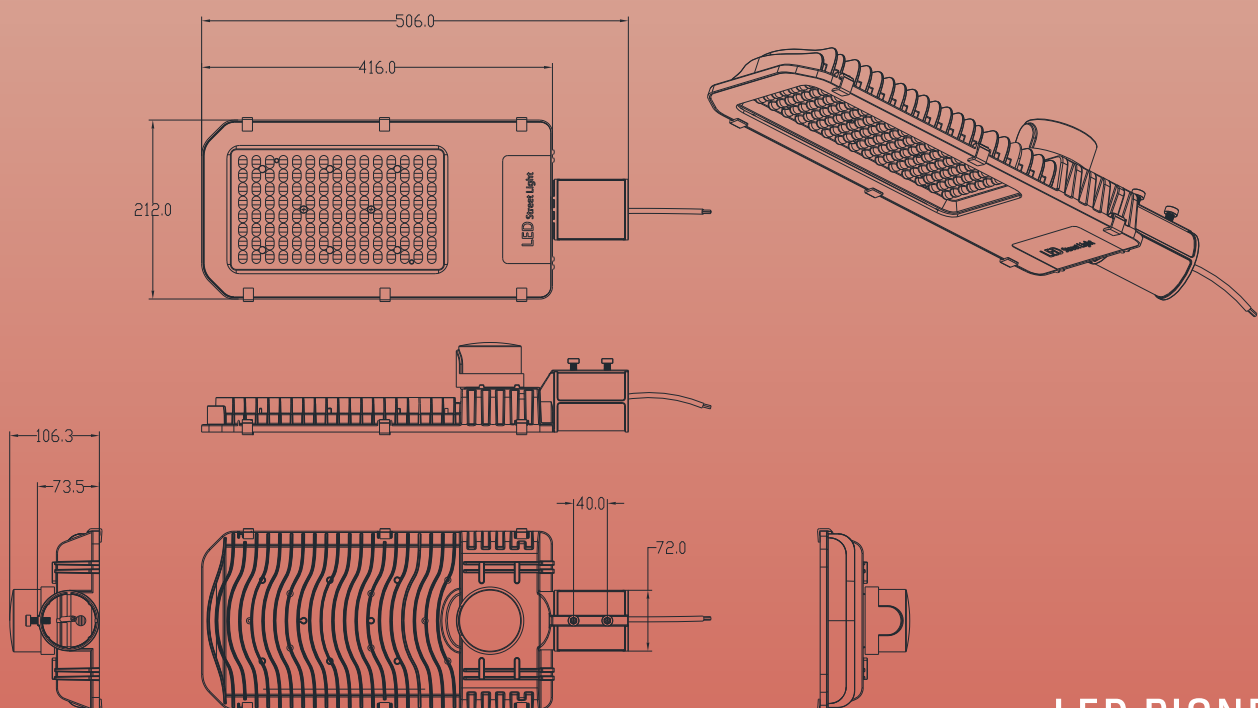LED PIONEER
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Product size diagram: 100W

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

506.0
416.0
212.0
73.5
40.0
72.0
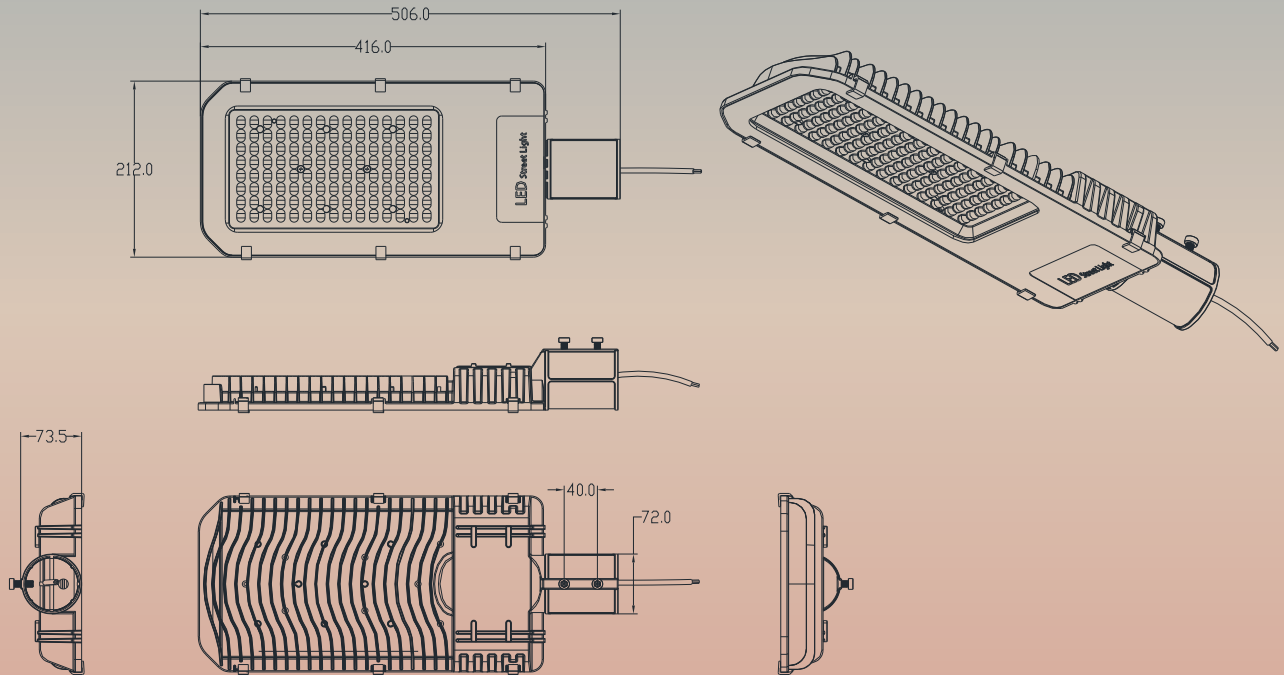
Ⅱ. Light-induced version model 506.0mm*212.0mm* 106.3 mm.

506.0
416.0
212.0
106.3
73.5
40.0
72.0

LED PIONEER
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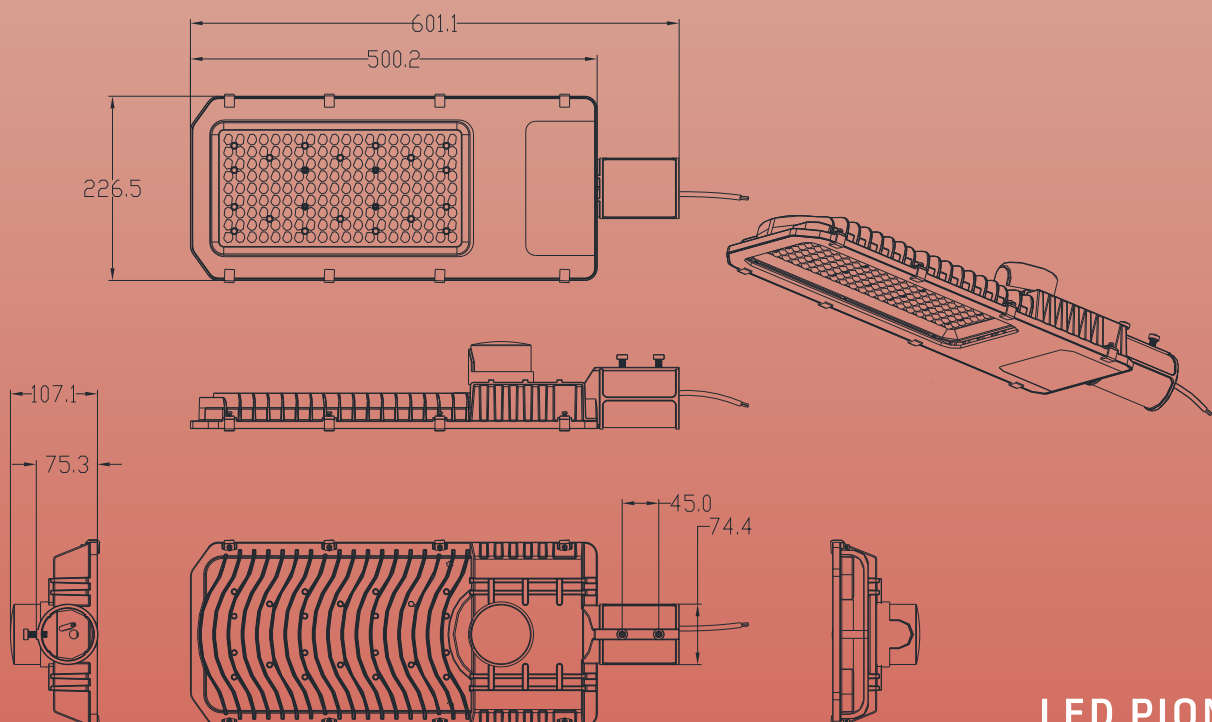## Product size diagram: 150W

Ⅰ.Standard version model   601.1mm*226.5mm* 75.3 mm.
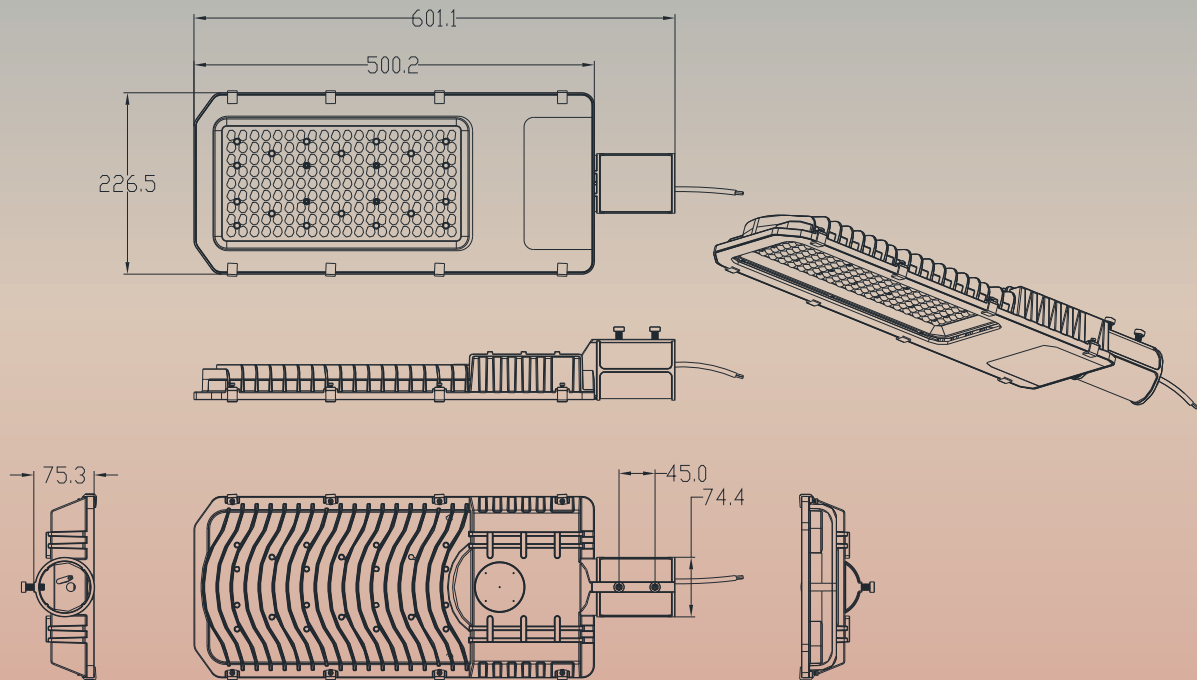
Ⅱ.Light-induced version model   601.1mm*226.5mm* 107.1 mm.

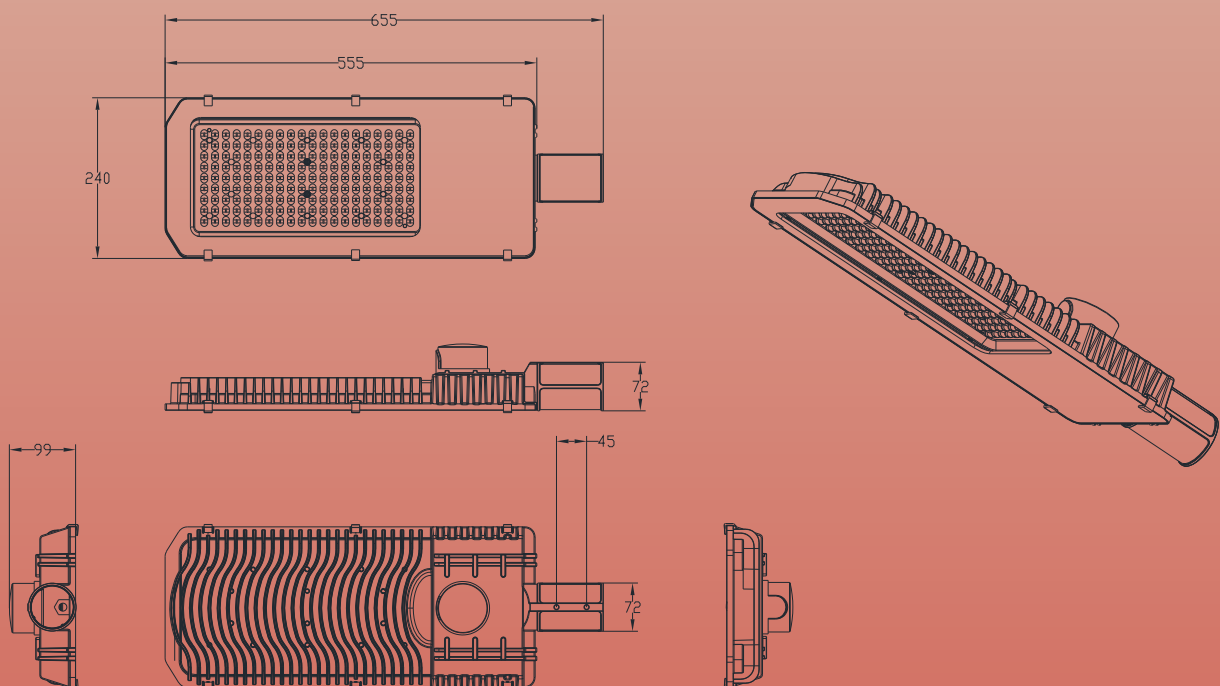LED PIONEER
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Product size diagram: 200W

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

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

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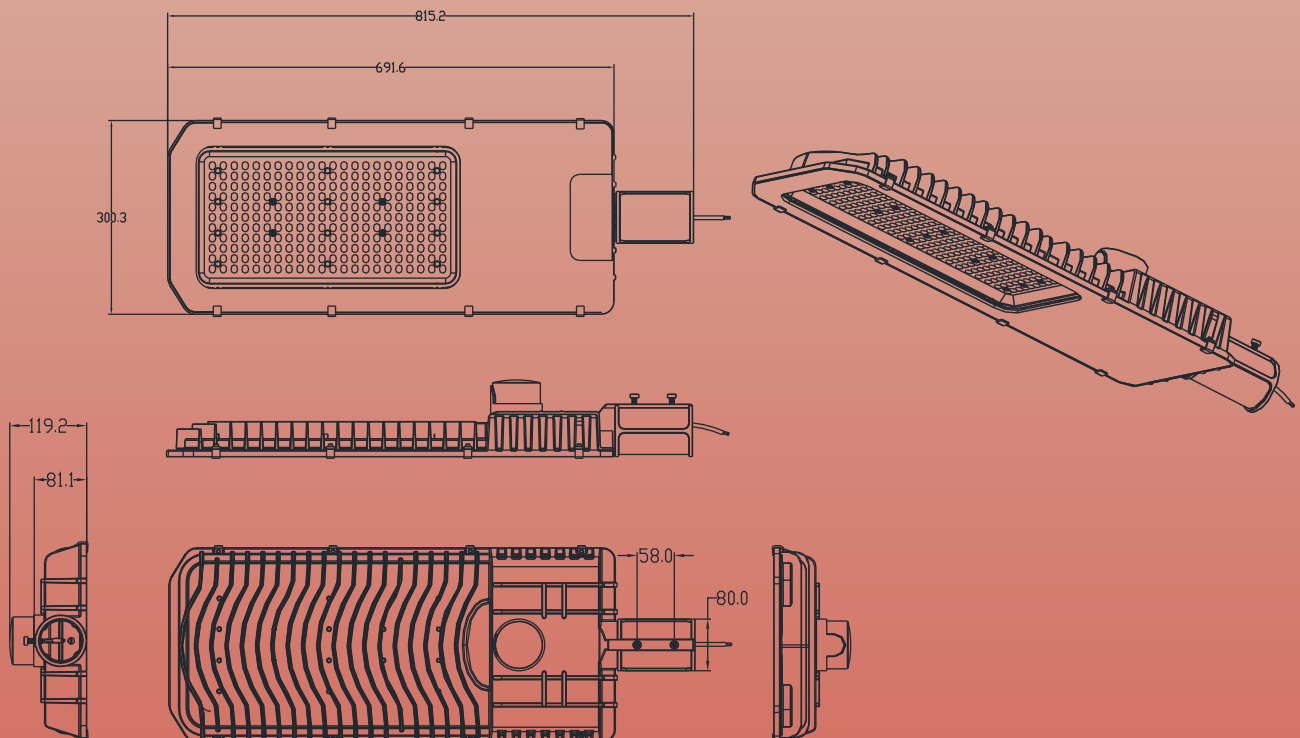
Diamond series
TSL-R002

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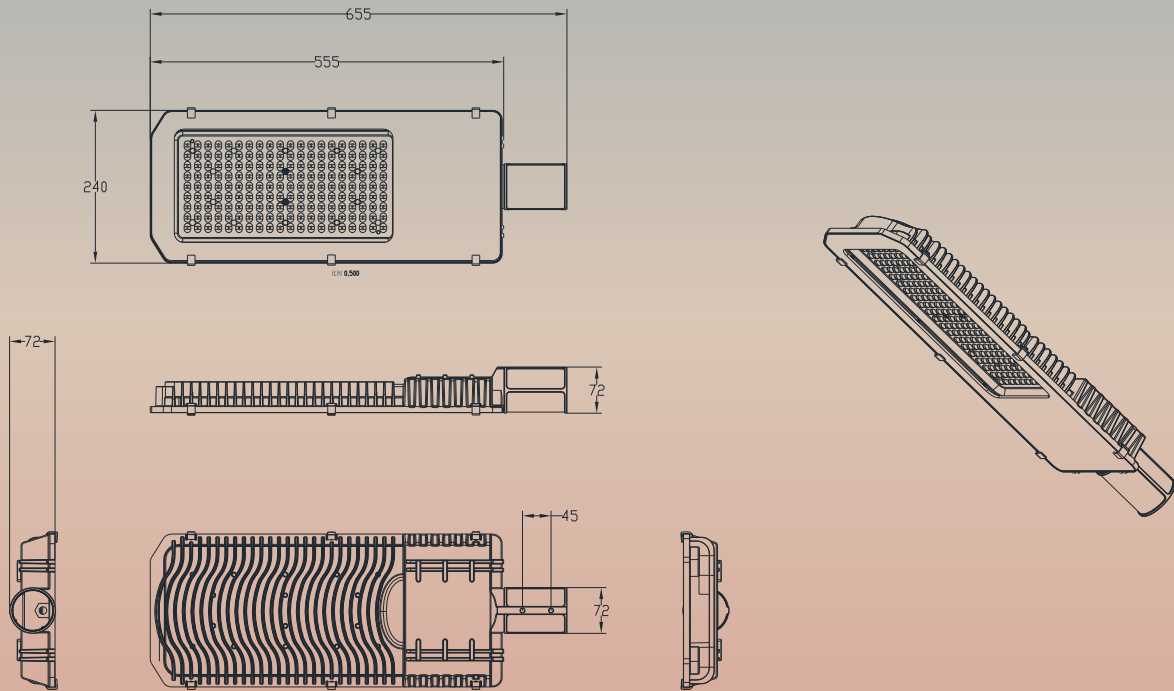
Product size diagram: 250W

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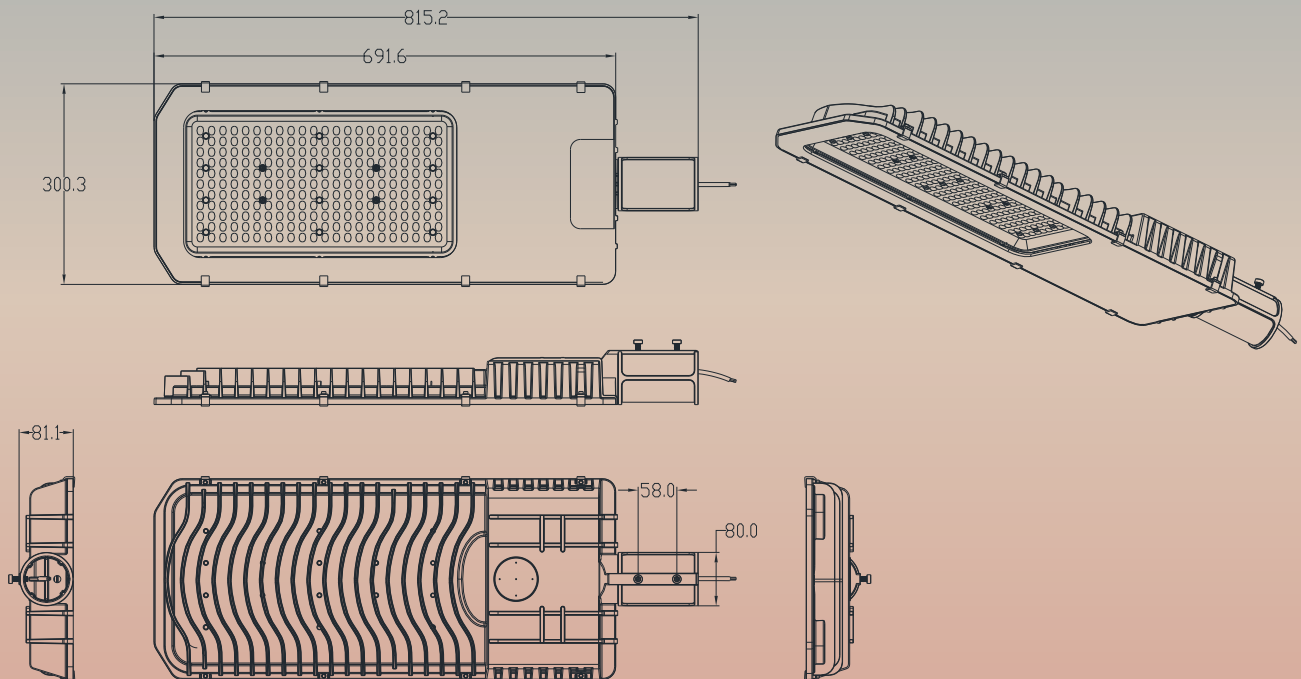
Ⅱ.Light-induced version mode   815.2mm*300.3mm* 81.1 mm.

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

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Packing diagram

Light sensor
（It is configured at the light-induced version model, and not needed at the standard version model）
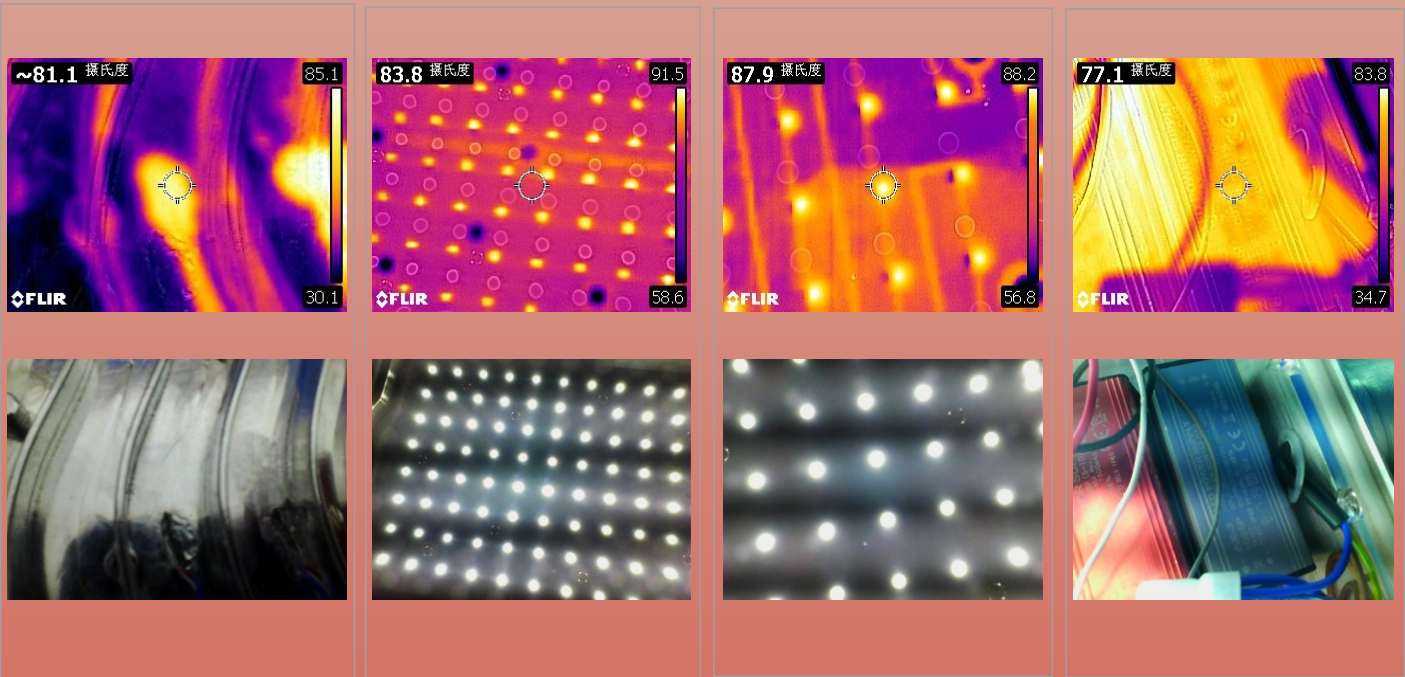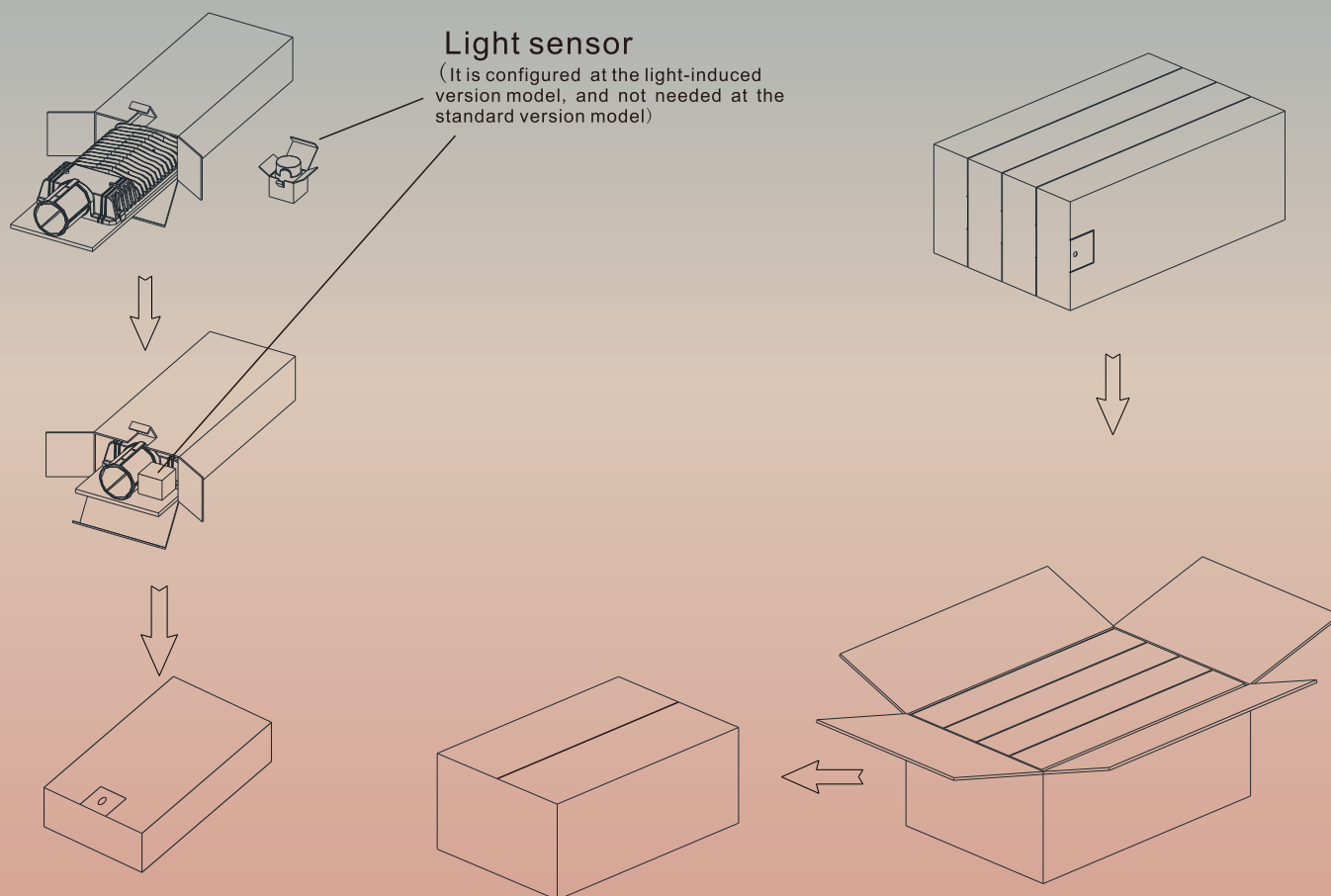
Model No.	N. W. /KGs	G. W. /KGs	Box size /mm	Carton size /mm	Packing QTY/PCS
TSL-R002/50	1.53	18.7	185x95x435	495x385 x450	10
TSL-R002/100	2.6	18.46	225x95x515	465x300x530	6
TSL-R002/150	3.65	18.82	240x95x608	620x410x255	4
TSL-R002/200	5.2	22.6	250x95x660	670x410x265	4
TSL-R002/250	7.81	8.72	860x335x110	860x335x110	1

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