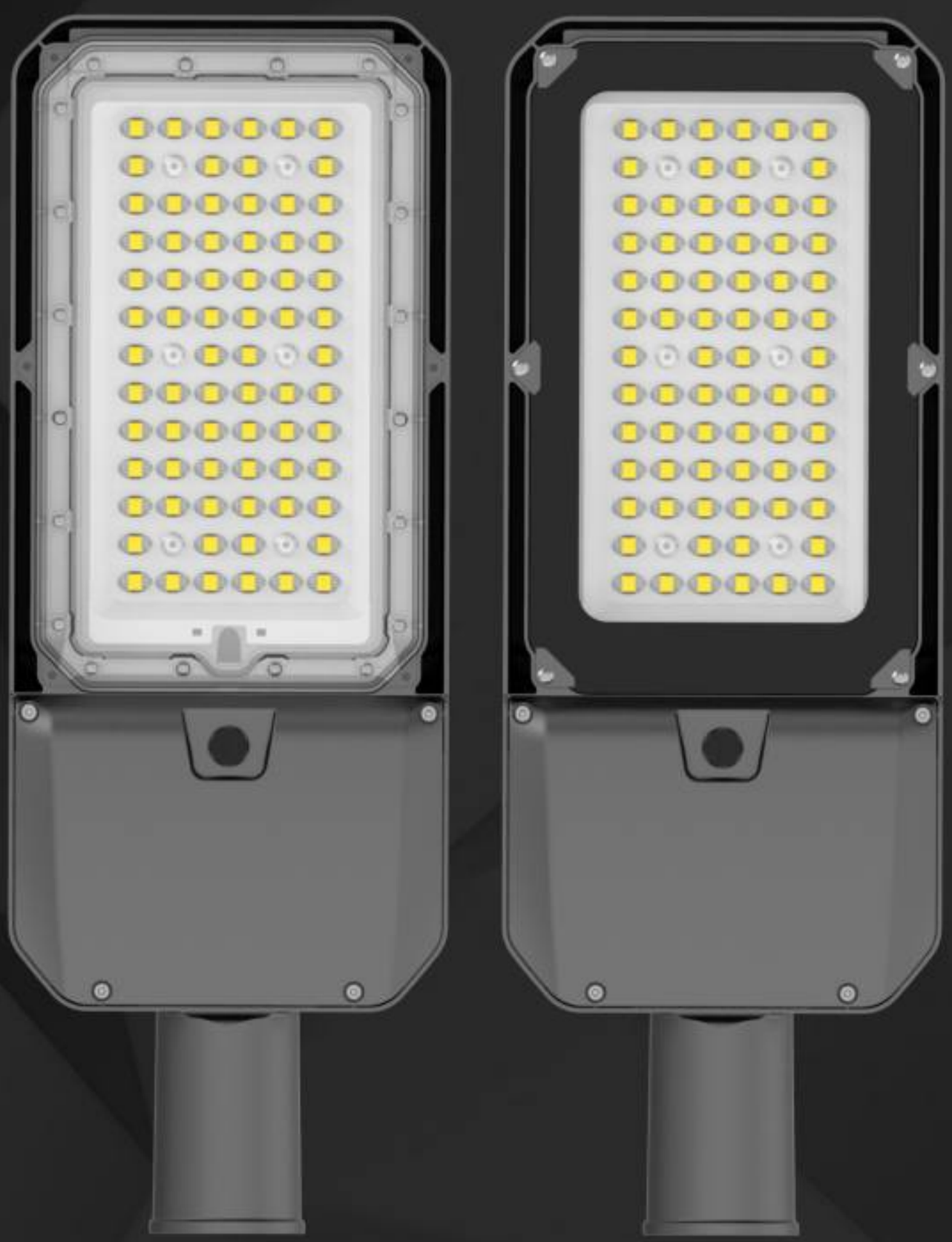
LONGLUX

Spark to blaze



FLAGSHIP MODEL
200-210LM/W

ISO9001 CERTIFIED

ISO CERTIFIED 14001

ISO CERTIFIED 45001

High-end outdoor lighting solution

INFORMATION

LONGLUX



PARAMETRS

Model	LLX-ST-03				
Power	50W	100W	150W	200W	240W
Size	200*430*89mm	280*510*95mm	280*560*95mm	280*610*95mm	840*310*110mm
Size(Photocell sensor)	200*430*151mm	280*510*157mm	280*560*157mm	280*610*157mm	840*310*172mm
Input Voltage	AC100V-240V 50/60HZ				
LED Light source	5050SMD				
LED Qty	36PCS	72PCS	96PCS	120PCS	120PCS
Brightness(lm)	10000±10%	20000±10%	30000±10%	40000±10%	48000±10%
Beam Angle	TYPE II-M / CUT OFF 150*80°				
Efficacy	200lm/w				
CCT	2700~5800K				
CRI	Ra≥70				
Power Factor	>0.95				
Surge	10KV/20KV(Series circuit)				
IP Grade	IP67				
Collision prevention level	Ik09				
Salt Spray Test	500/1000 hours(Neutral salt spray)				

PACKAGING

Power	50W	100W	150W	200W	300W
CTN SIZE	47*25*14CM	55*33*14CM	61*33*14CM	66*33*14CM	66*33*14CM
QTY/CTN	1 PCS	1 PCS	1 PCS	1 PCS	1 PCS
CBM/CTN	0.01445	0.02541	0.02818	0.03049	0.03049
20`GP	1700PCS	1100PCS	990PCS	910PCS	910PCS
40`HQ	4100PCS	2650PCS	2400PCS	2200PCS	2200PCS

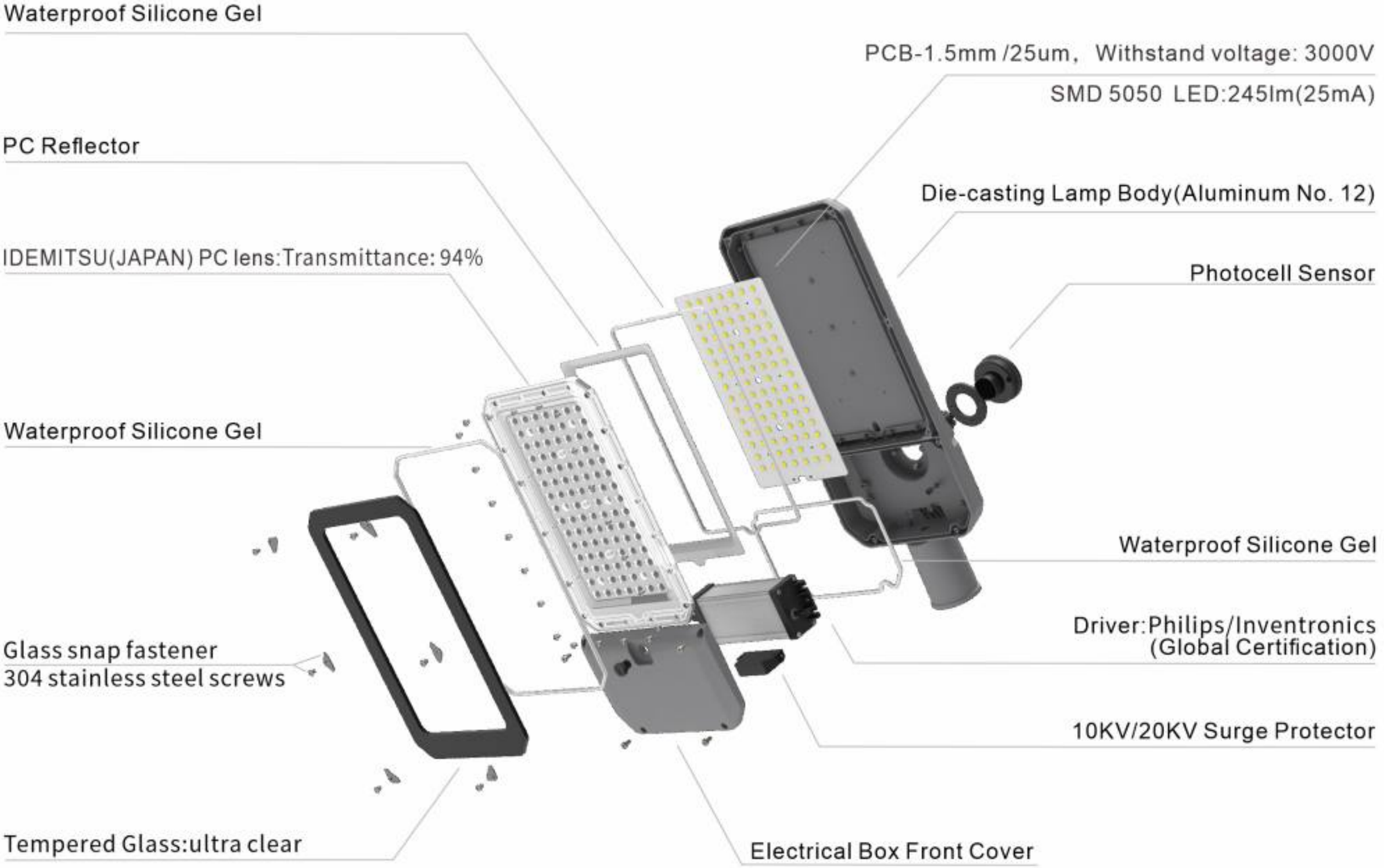
PRODUCT FEATURE

- Passed 500-1000 Hour Salt Spray Test
- Passed IK09 Impact Test
- Passed IP67 Waterproof & Dustproof Test
- Passed 3G Vibration Test
- Passed EMC Test
- Passed Safety Compliance Test
- Passed EMF Assessment
- Passed Photobiological Blue Light Hazard Test
- TM21 Projected Lifespan Over 100,000 Hours





EXPLODED



LONGLUX

PRODUCT ADVANTAGES

LONGLUX



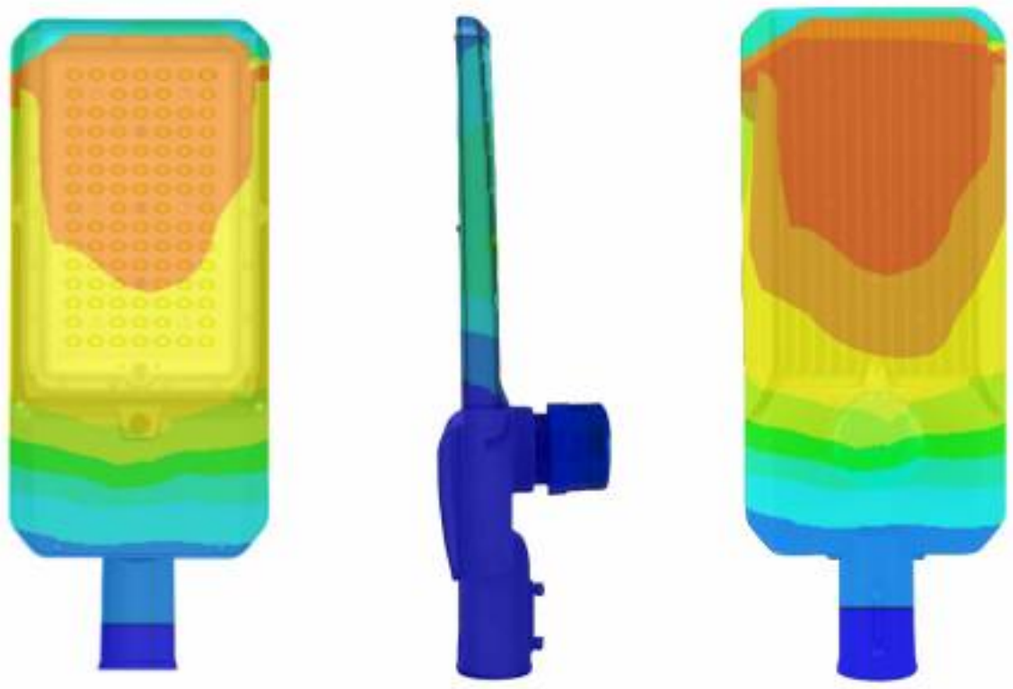
Waterproof IP67
Fully sealed lamp body design, zero dust

Lightning protection 10-20kV
Built-in high-specification lightning protection module to prevent lightning damage and

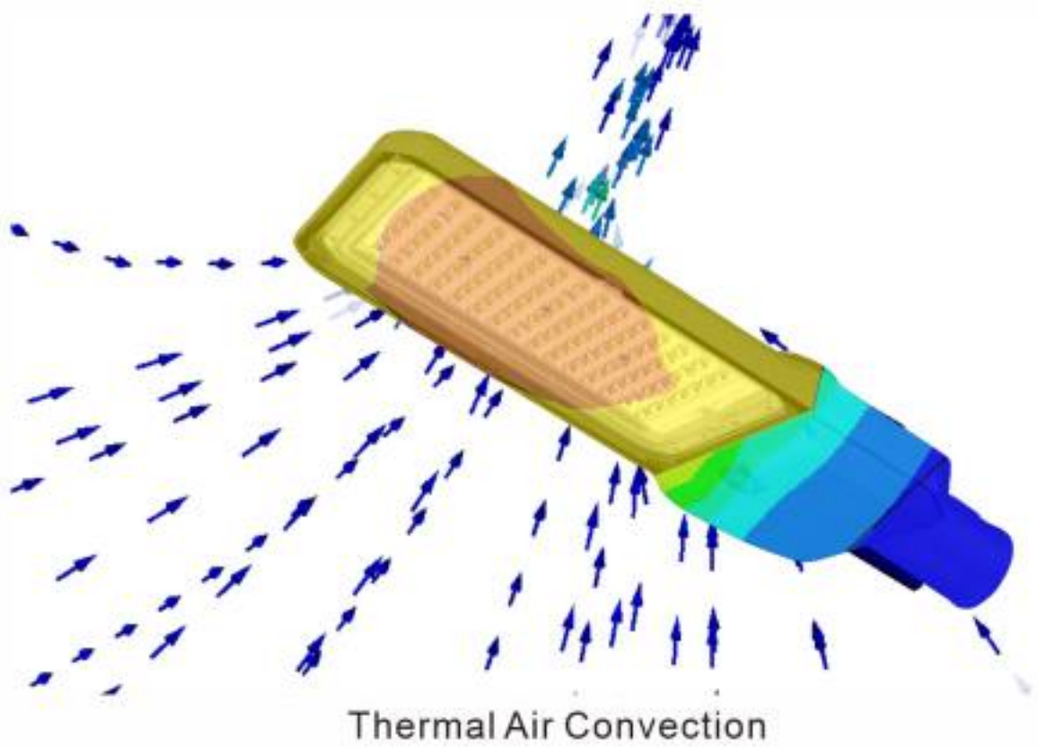
Wind resistance up to level 13
Selected high-strength alloy lamp post + scientifically weighted base, capable of

THERMAL MANAGEMENT

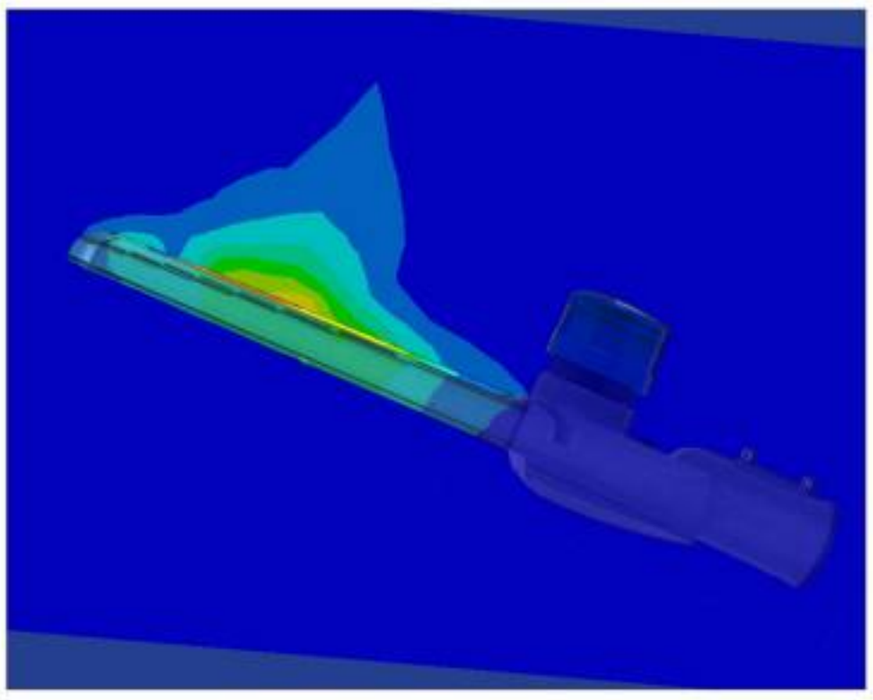
Complete lamp Tm21 Test: > 100000hours(40°C ambient temperature)



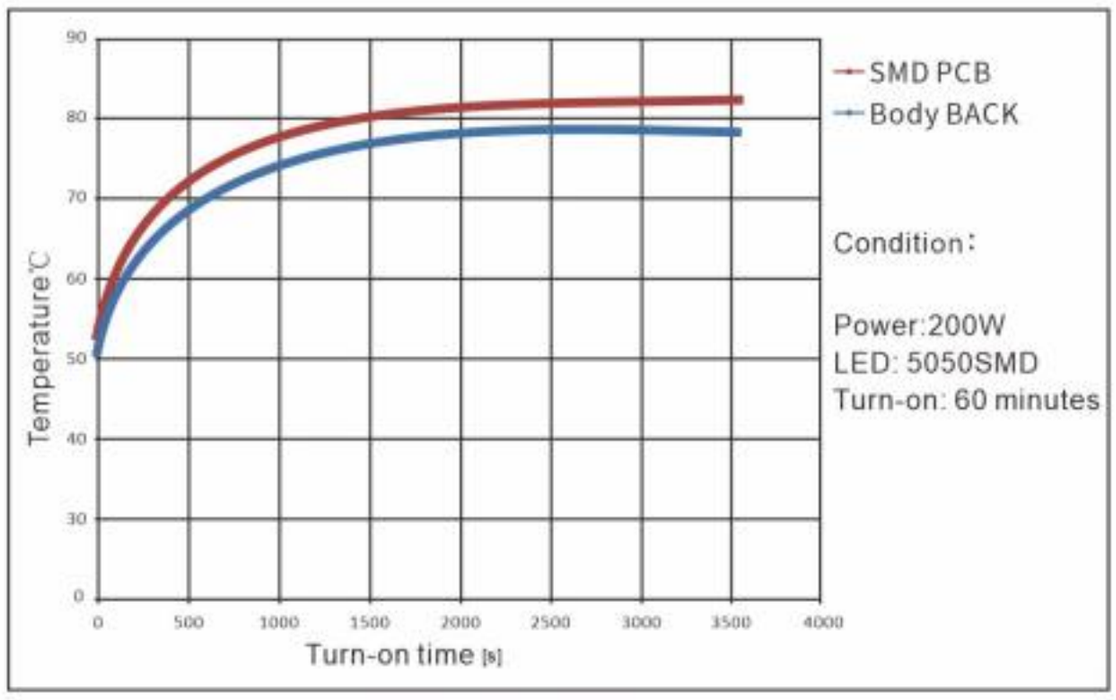
Theoretical simulation



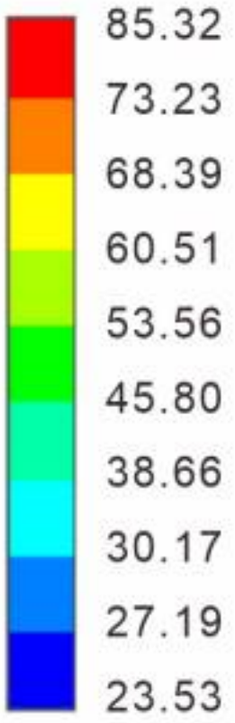
Thermal Air Convection



Thermal Effects to Air



Temperature Rise Curve
Theoretical simulation



4G SMART LIGHTING





Advantage

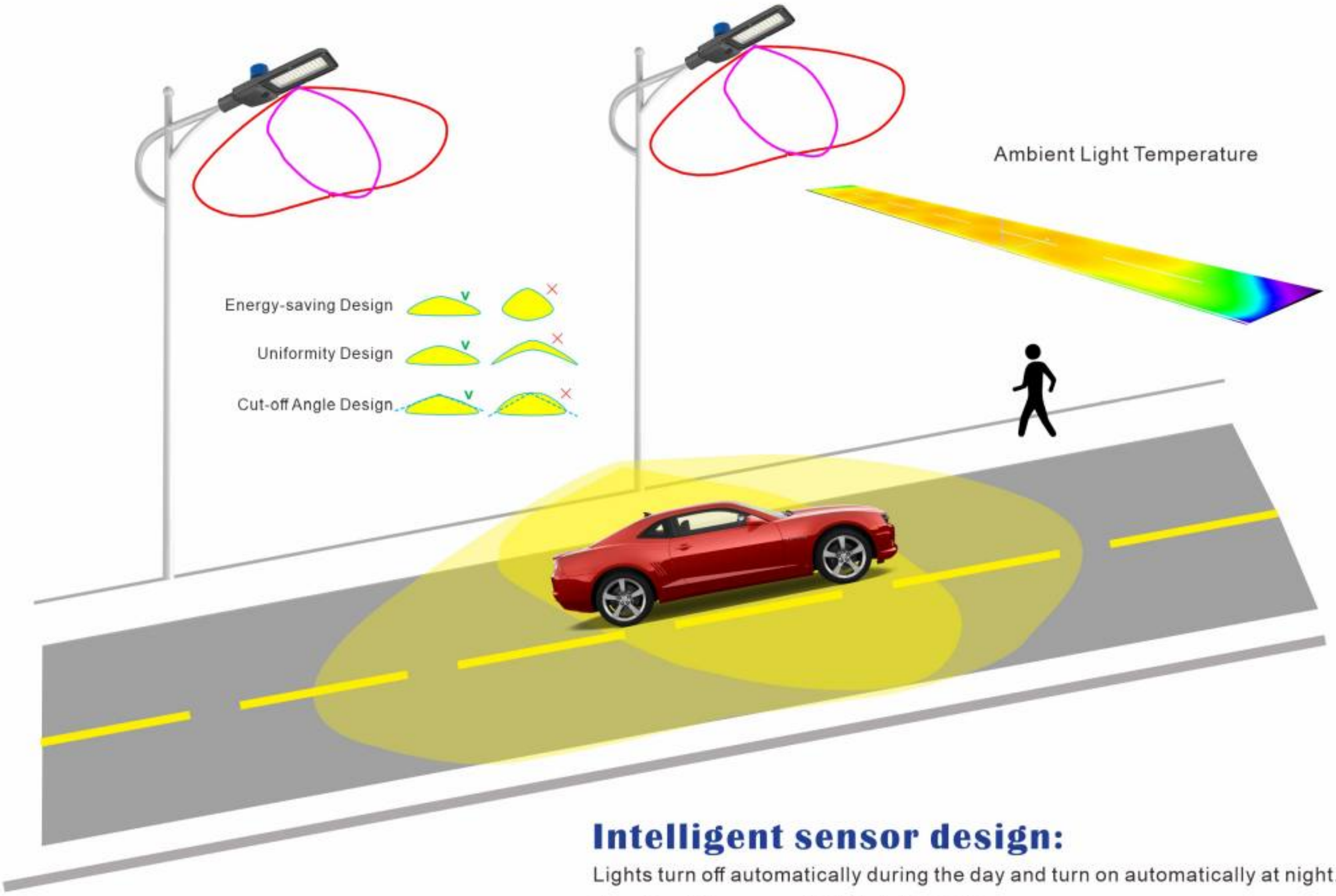
- **Reduced energy costs**
  enable energy saving strategies: adjust the brightness of streetlights according to different time-period and presence of cars.
- **Reduced maintenance cost**
  enable automatic inspection, reduce Labor maintenance cost.
- **Sensor access**
  Light sensor, motion sensor.
- **Visual management**
  Energy consumption statistics, energy saving report download

Software functions

- **Real-time Monitor**
  street lighting current, voltage, Power, electricity, frequency,temperature detection.
- **Street Lamp Control**
  single lamp control, group control.
- **Strategy:**
  Latitude and longitude switch lights and Timing switch.
- **History:**
  Energy consumption data.
- **Alarms:**
  offline alarm, Luminaire fault.

OPTICS*

Tech. Support: Tell us the road length, width, height and the application scene. We have an engineer team to respond the DIALUX simulations for lights quantity calculation and effects.



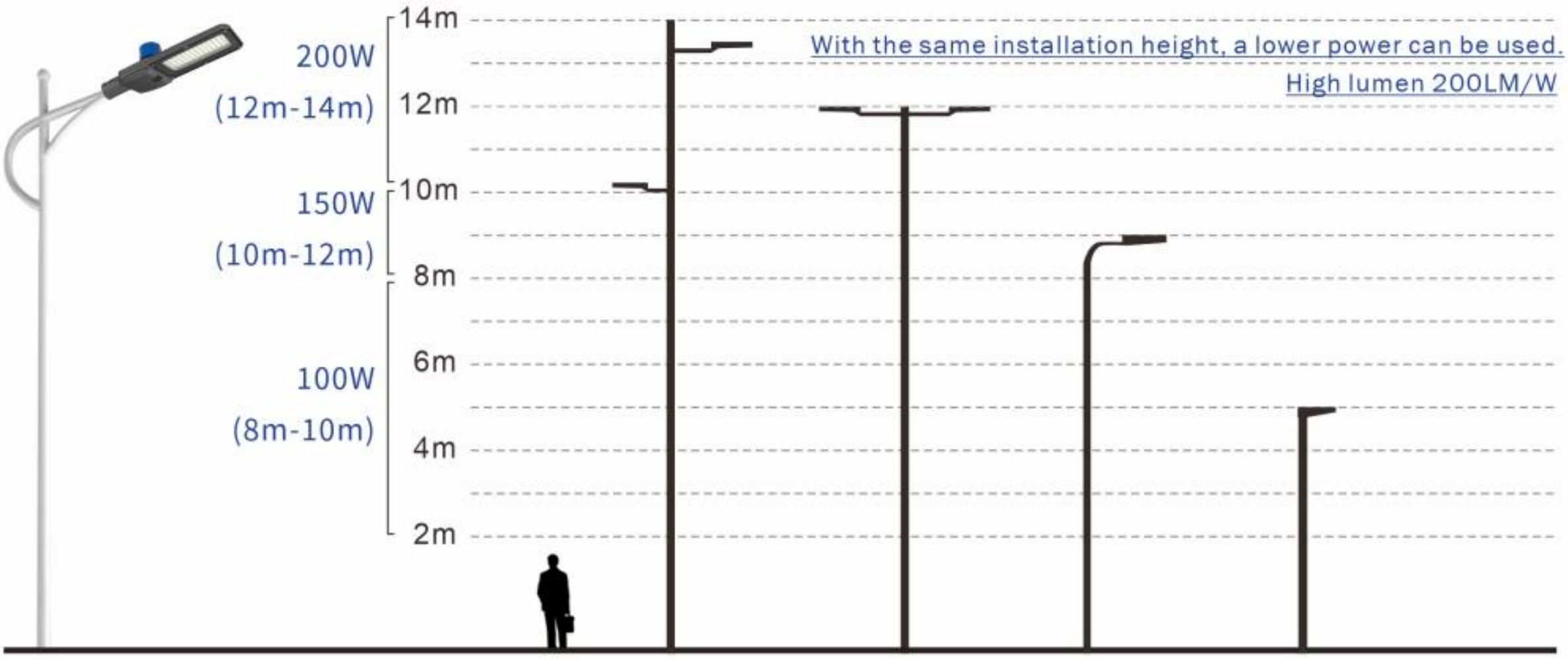
Intelligent sensor design:

Lights turn off automatically during the day and turn on automatically at night.

Turn-On:15Lux　　Fail Mode:Fail Off
Time Delay:3-5s　　MOV Rating:475J

INSTALLATION HEIGHT

energy-efficient /higher cost-effectiveness



LONGLUX

Street Lights Brighten Your Road, .

Our Promise Never Folds

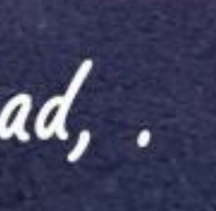
200LM/W | inventronics | LEPOWER | ZP

LIGHT DISTRIBUTION CURVE



153x80° /CUT OFF

OPTIONAL ACCESSORIES



Photocell



Shorting Cap



NEMA Socket
(3 /5 /7pin)



ZHAGA



Motion Sensor



Smart Controller

PRODUCT APPEARANCE

LONGLUX

FRAME STYLE



50W 100W 150W 200W 240W

GLASS STYLE



50W 100W 150W 200W 240W

BACK STYLE



50W 100W 150W 200W 240W

SIDE STYLE

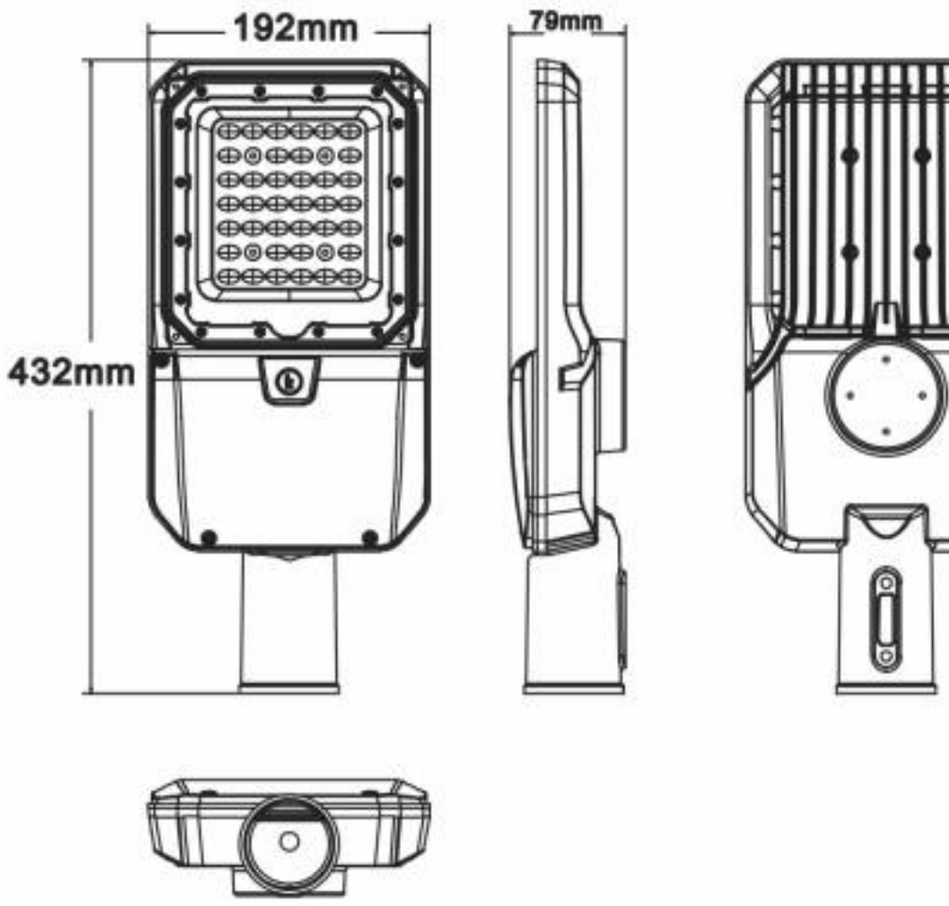


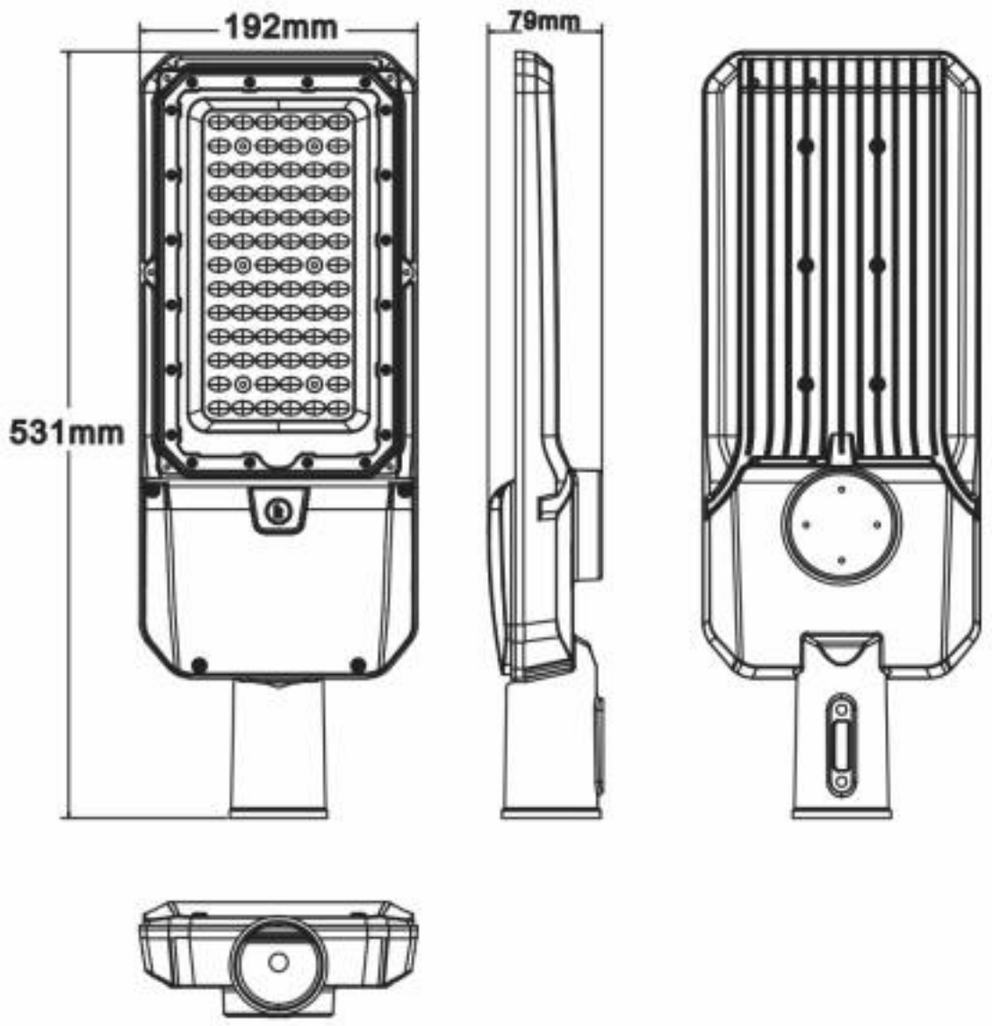
50W 100W 150W 200W 240W

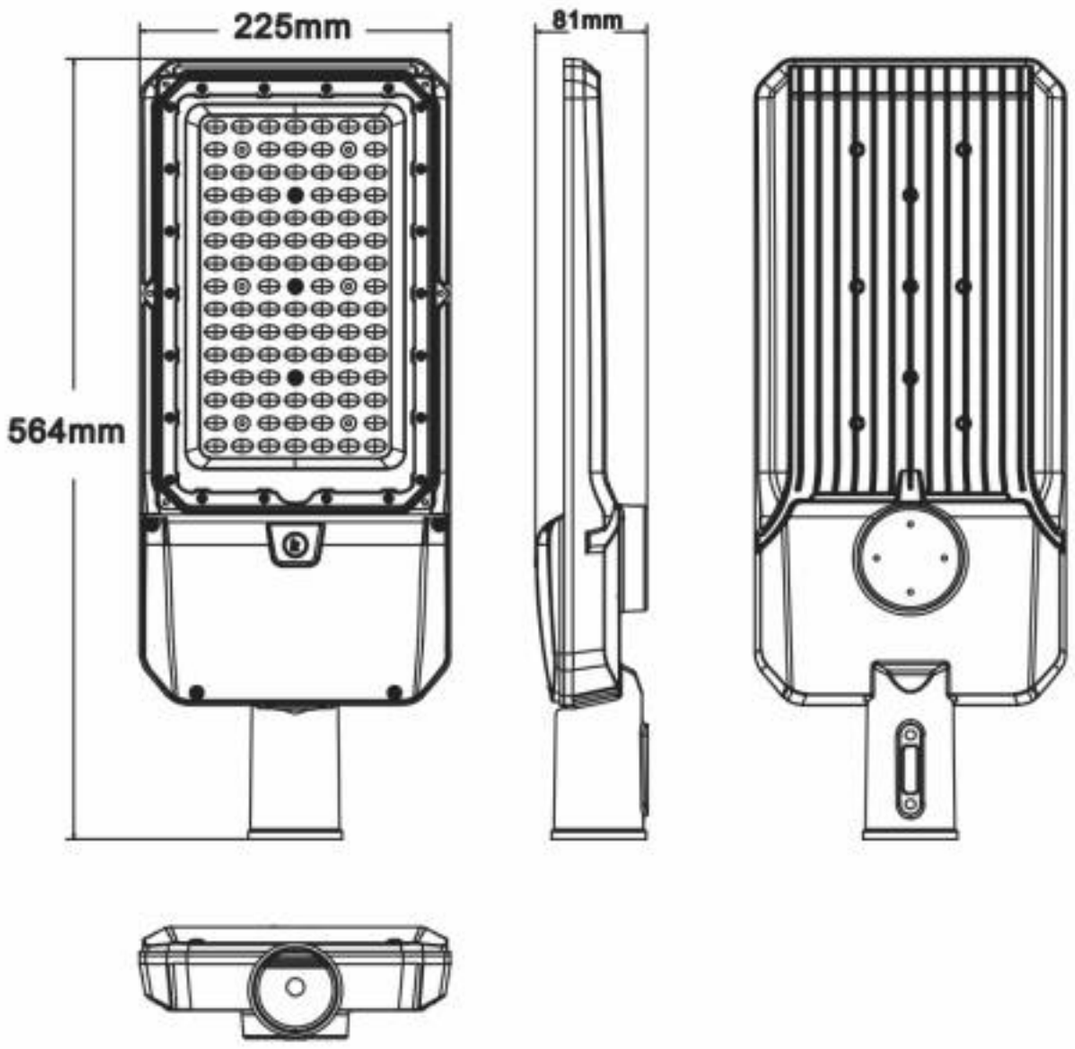
DIAGRAMS

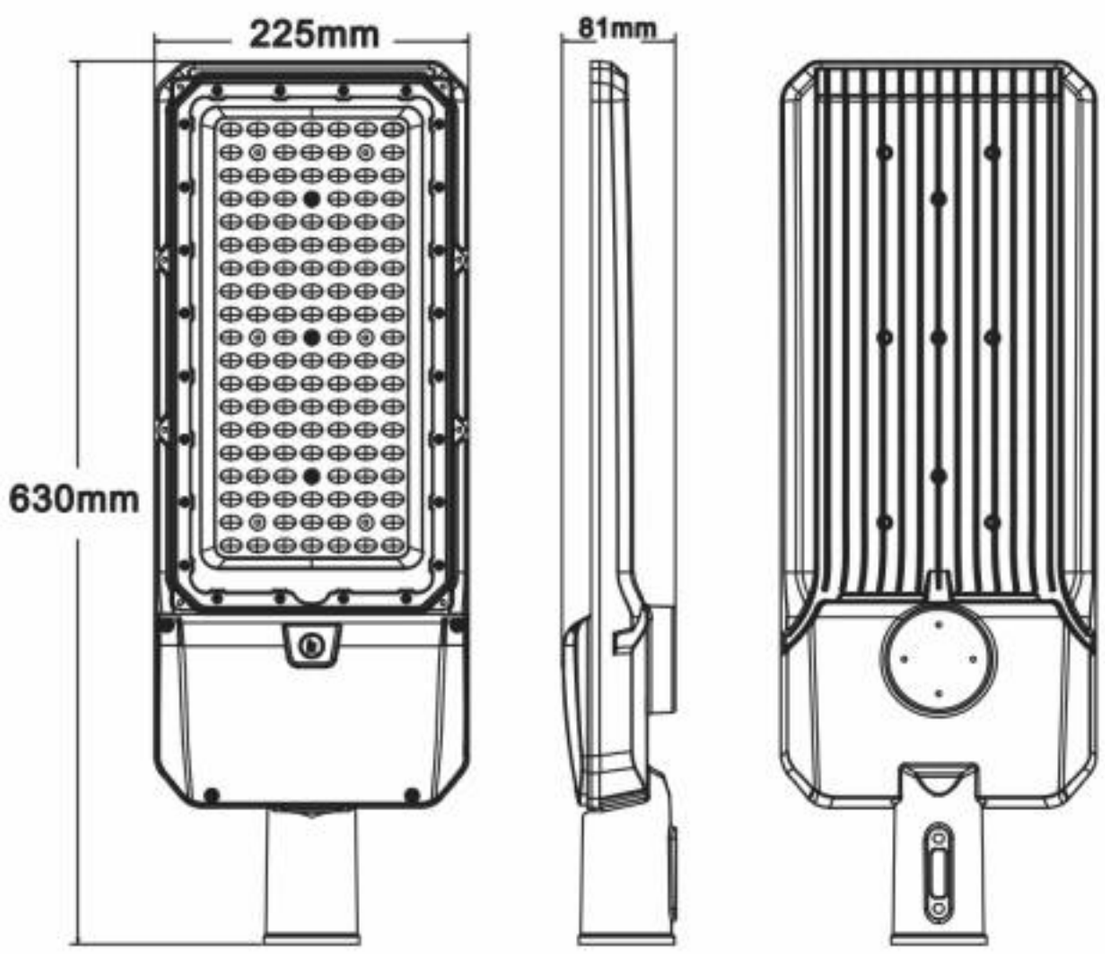
Unit:mm

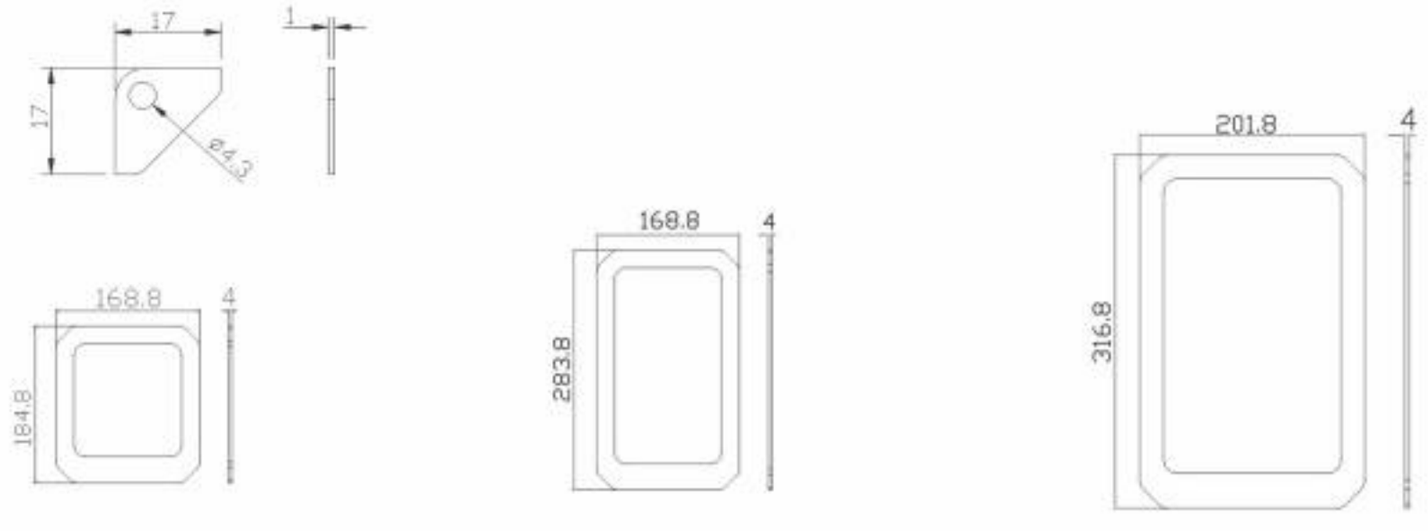
LONGLUX







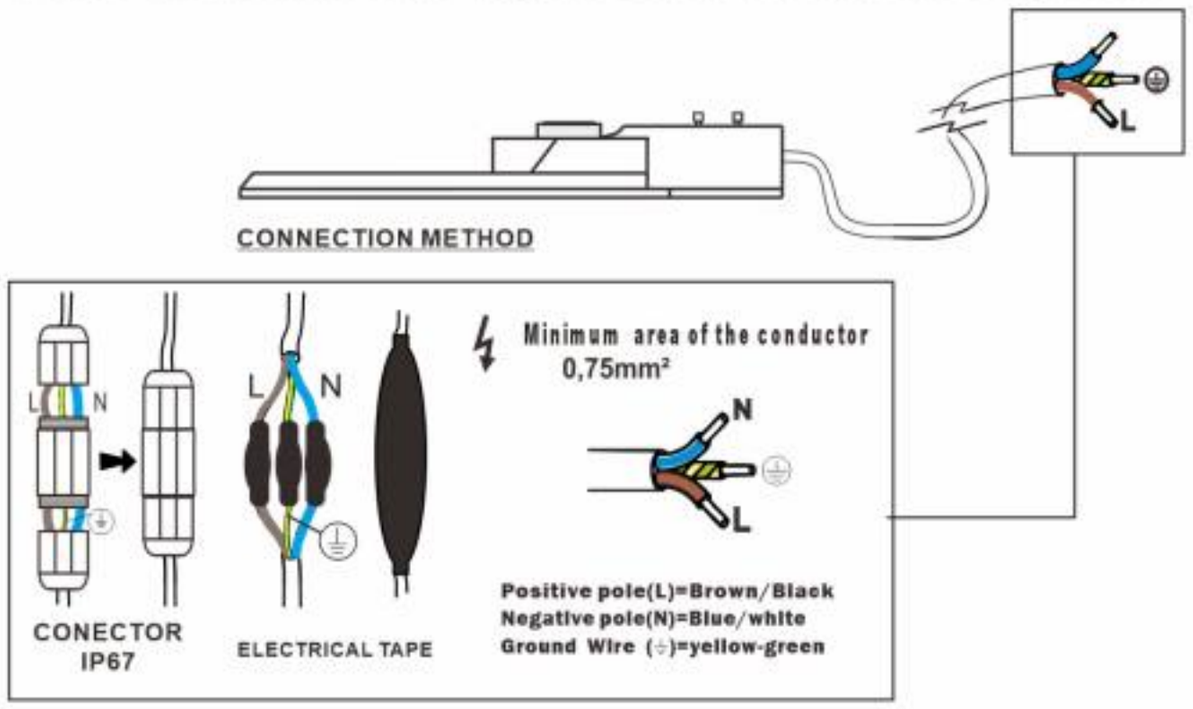




Electrical installation

Use insulating connectors or self-sealing tapes for electrical connections.

- Self-sealing tape: Isolates the inside and outside of the cable to prevent liquid from entering the lamp.
- IP67 grade connector: Please connect according to the manufacturer's instructions.
- Please wire as shown in the diagram. Do not reverse the wire sequence.



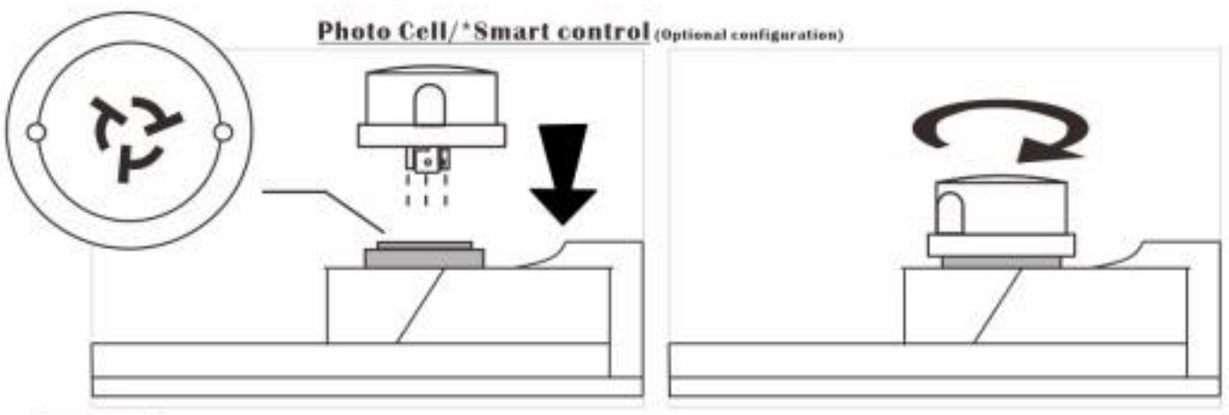
- Green/Yellow wire - Protective wire (⏚), ground wire, should be correctly connected to the grounding terminal of the power supply.

1 **Note: If the lamps have not undergone electrical insulation treatment, the warranty will be invalid.**

Install the Photo Cell

This lamp can be used in conjunction with an optical relay (light sensor), and is suitable for automatic lighting control and time control functions [Turn on the lighting at night and turn it off in the morning] [Automatically reduce power at night to save energy and reduce emissions] (This project requires an optional component and 3PIN or 7PIN lamp socket).

Installation: Insert the optical sensor or the single lamp controller into the lamp socket, aligning the notch of the device with the notch on the lamp socket. Then, rotate it clockwise until it is fully inserted into the lamp (as shown in the following figure).



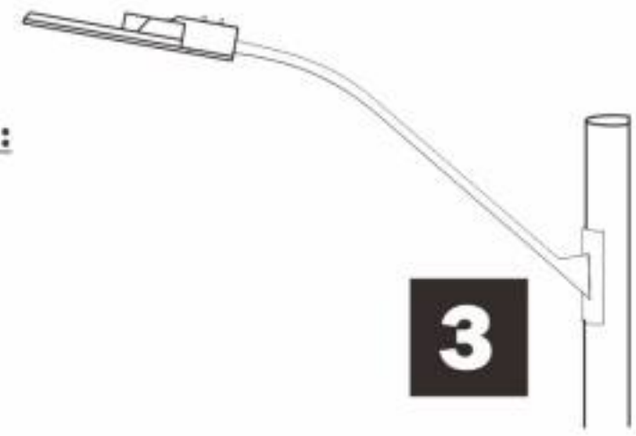
2 **Note: Please perform the operation and replacement after power is turned off.**

Light Fixture Installation on Lighting Arm

-Insert the screws into the light fixture without tightening them.

-Align the light fixture horizontally with the pole arm, and fully fit it onto the lighting arm.

-Lighting arm diameter: 52–60.3mm (Max).



3

Recommended mounting height:

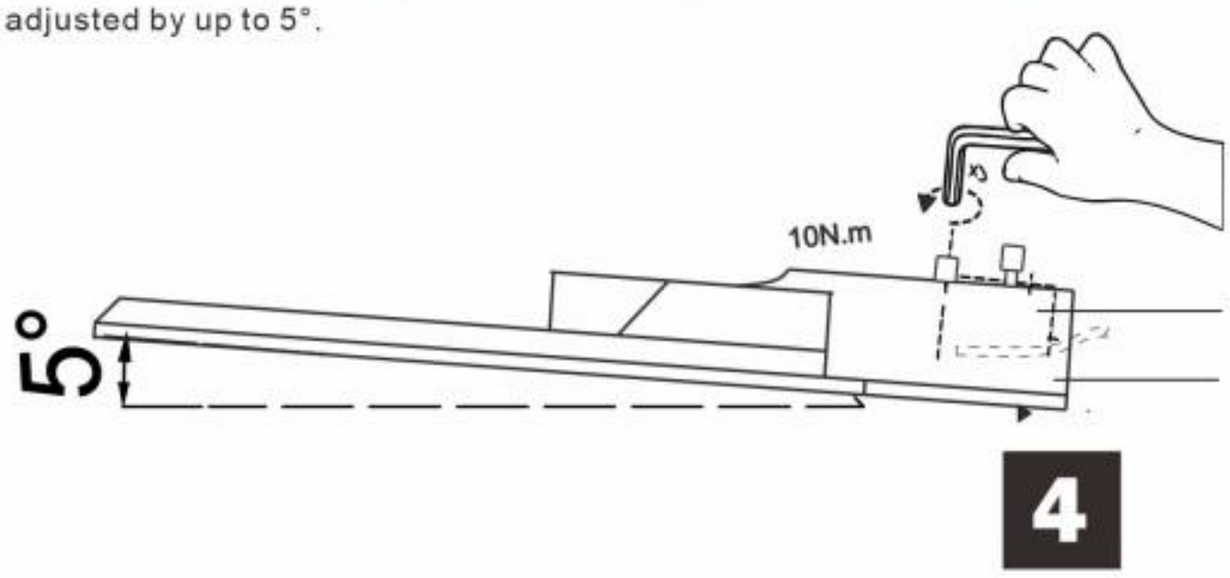
60W : 6–8 meters
100W: 8–10 meters
150W: 10–12 meters
200W: 12–14 meters

Fixation and alignment

-Tighten the fixing screws using an Allen key.

-Torque +/-10N.m.

-Through the fixing screws, the inclination angle of the luminaire can be adjusted by up to 5°.



4

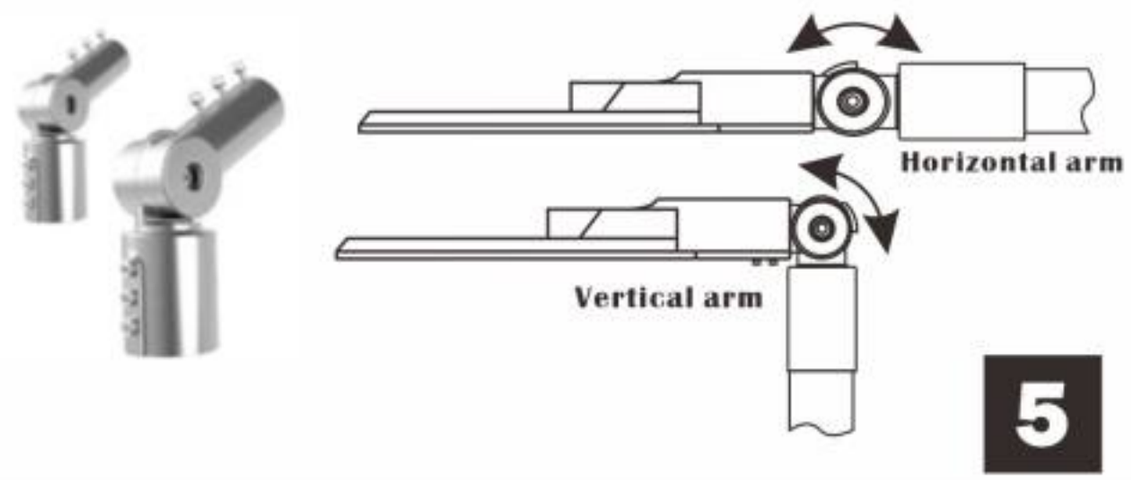
Accessory (sold separately)

Adjustable angle adapter

-Allows angle adjustment of up to 120°.

-Allows the installation of the luminaire using verticaland horizontal arms.

CAUTION : The weight and wind must be verifiedregarding the suitability of the support in relation to the installation.



5

Utilization and Maintenance

Electrical installations must be inspected and tested before being put into operation.

The design, construction, inspection and maintenance of luminaires shall only be entrusted to qualified professionals, and the relevant work shall comply with the requirements of international occupational safety regulations.

·The protection level of wires and connectors shall not be lower than that of the luminaires themselves.

·It is strictly prohibited to connect the luminaires to a power grid with a voltage beyond the rated range. The luminaires must be properly grounded.

·It is strictly prohibited to install the luminaires in an environment exceeding the upper limit of lightning protection parameters.

·If the luminaire body is damaged, it shall be replaced immediately (this item is not covered by the warranty).

·This equipment shall be installed in well-ventilated, non-corrosive, non-flammable and non-explosive environments.

·The height of the lamp pole shall comply with the specifications in the table.

·The external flexible cable of this luminaire cannot be replaced separately. If the cable is damaged, the power supply driver of the luminaire shall be replaced as a whole.

·*Smart control requires selection and configuration, and it needs to be used in conjunction with the network platform.*