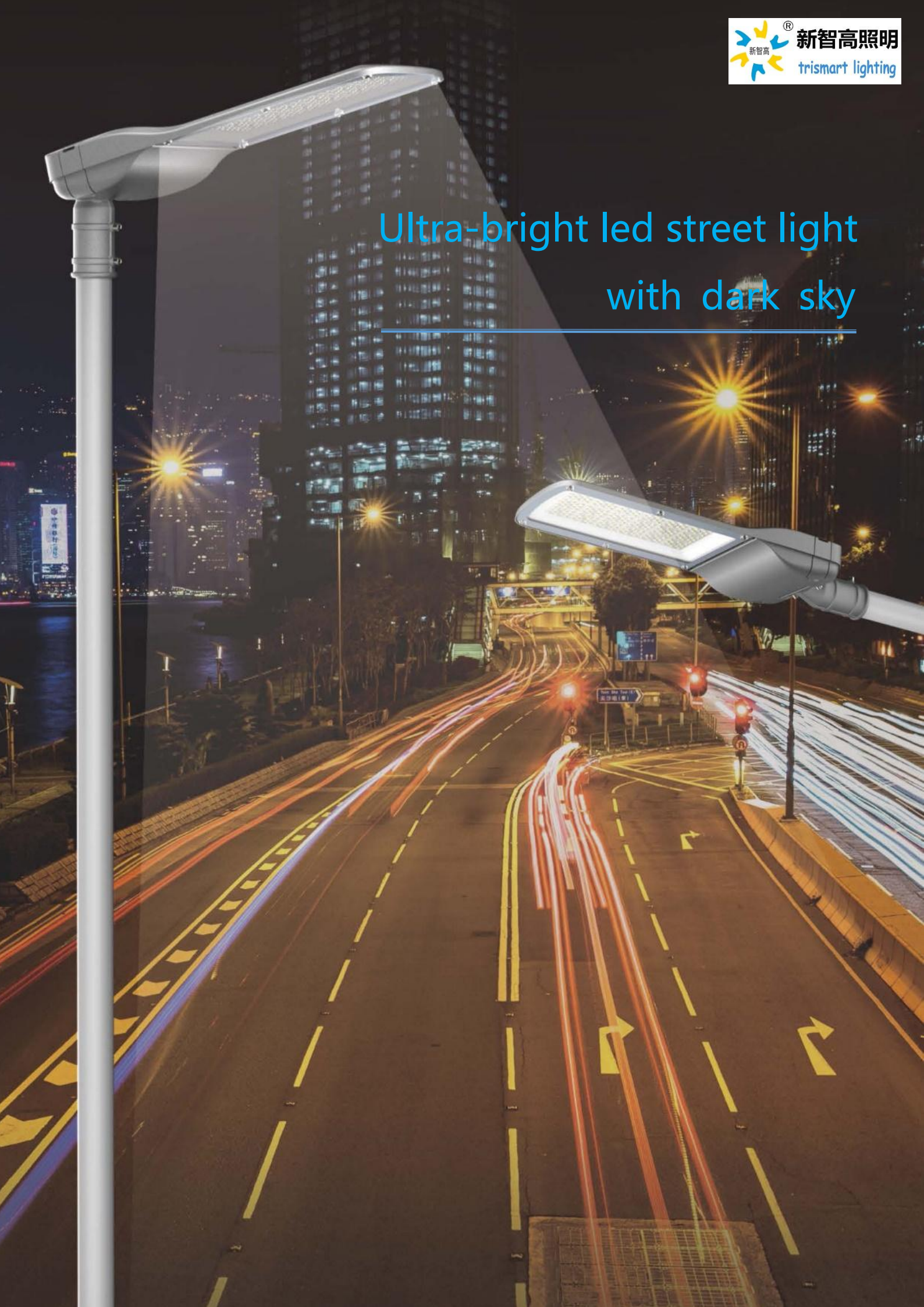


Ultra-bright led street light with dark sky

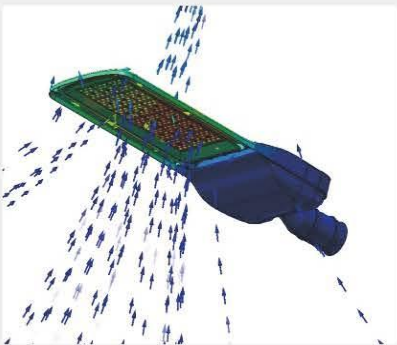


OVERVIEW

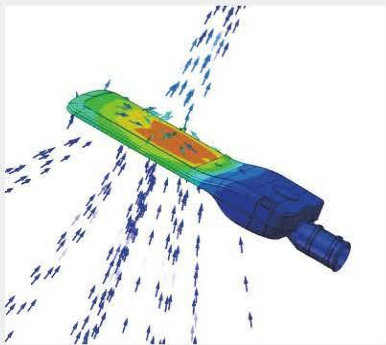


Thermal Management

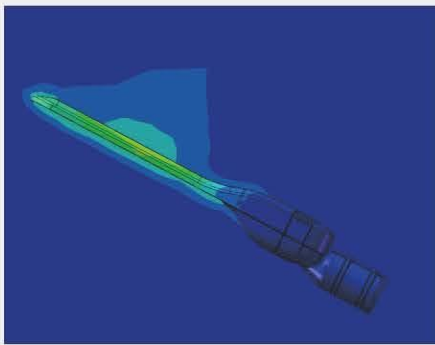
Structure is optimized by advanced FEA technology. Well managed temperature rise between internal and external parts.
Even thermal distributions. Higher lumen maintenance rate.



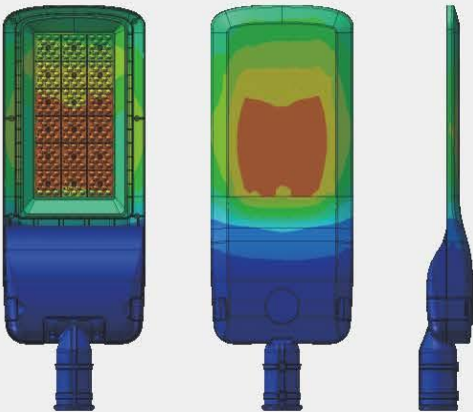
Thermal Air Convection



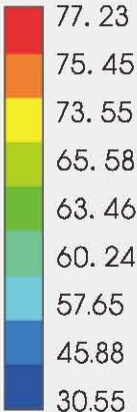
Thermal Air Convection



Thermal Effects to Air



Thermal Conductivity



Unit: °C



Temperature Rise

Condition:
Power: 200W
LED: 3030SMD
Turn-on: 60 minutes

APPLICATIONS

Widely applicable to road, expressways, parks, plazas and villas, etc.



EXPLODED

ADC12 Die-casting Aluminum Body,
Thermal Efficiency up to 96W/M.K

Optional With Sensor

Famous Brand Waterproof LED Driver

Sturdy Mounting
Lamp Holder

Waterproof Silicone Gel

Highly Thermal Conductive Aluminum PCB

Ultra-brightness 3030 led chip, Lighting Efficacy up to 180 lm/W

Uv-proof Optical Lens,
Precision Road Lighting Distributions

High Temperature and UV Resistant Nano-reflectors

Waterproof Silicone Gel

Strong Tempered Glass

Two Styles Available

Open the cover and power off

Electrical, Cold Zone

Light source, Hot Zone

Large space for LED driver

Electrothermal separation structure



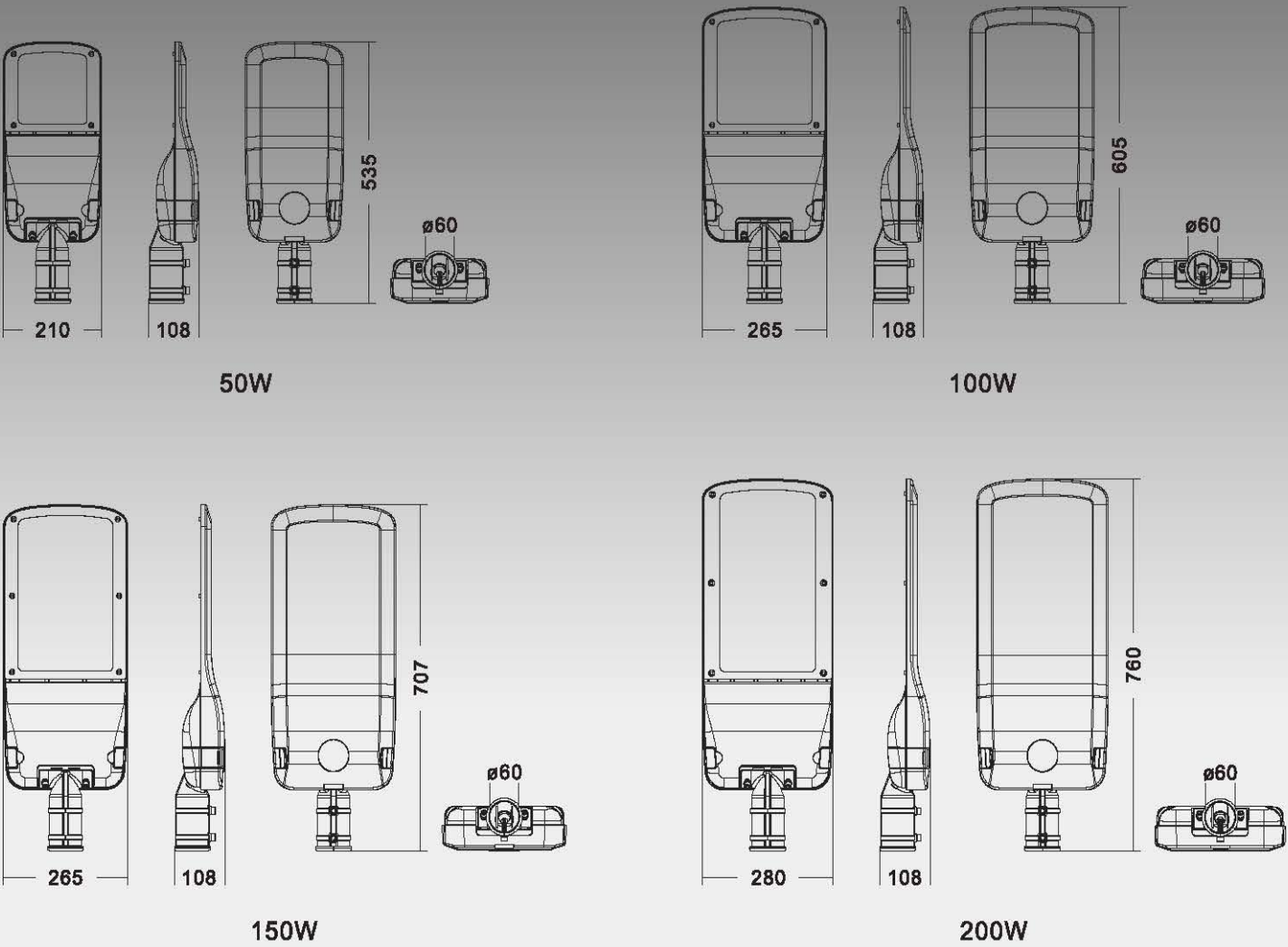
Regular Style



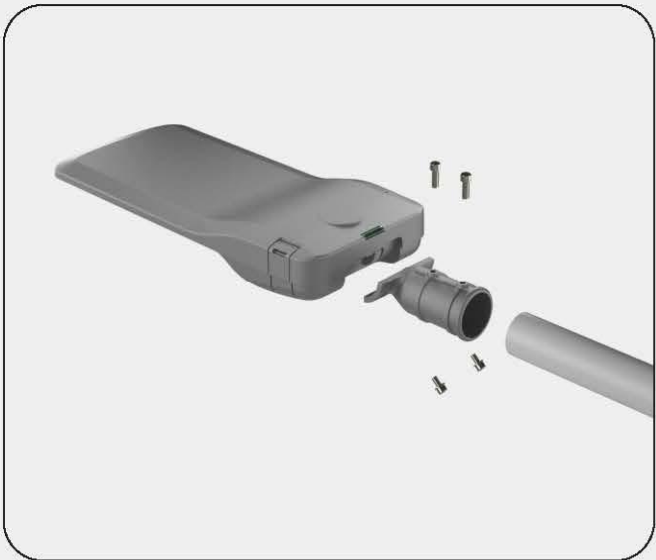
Frame Style

DIAGRAMS

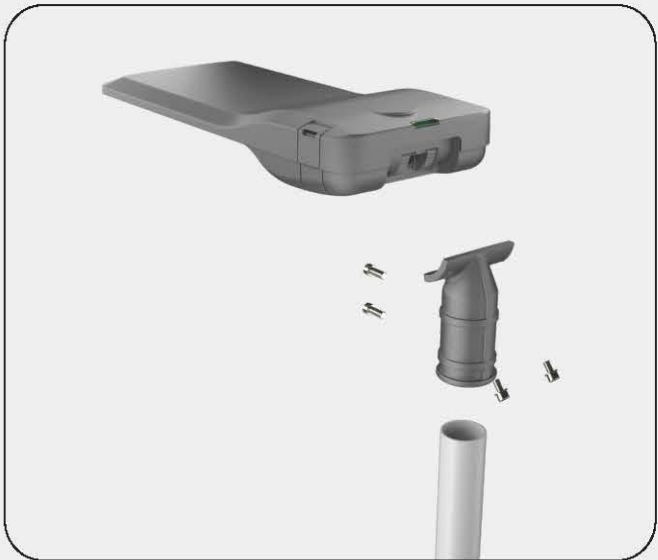
Unit:mm



INSTALLATION



Horizontal installation

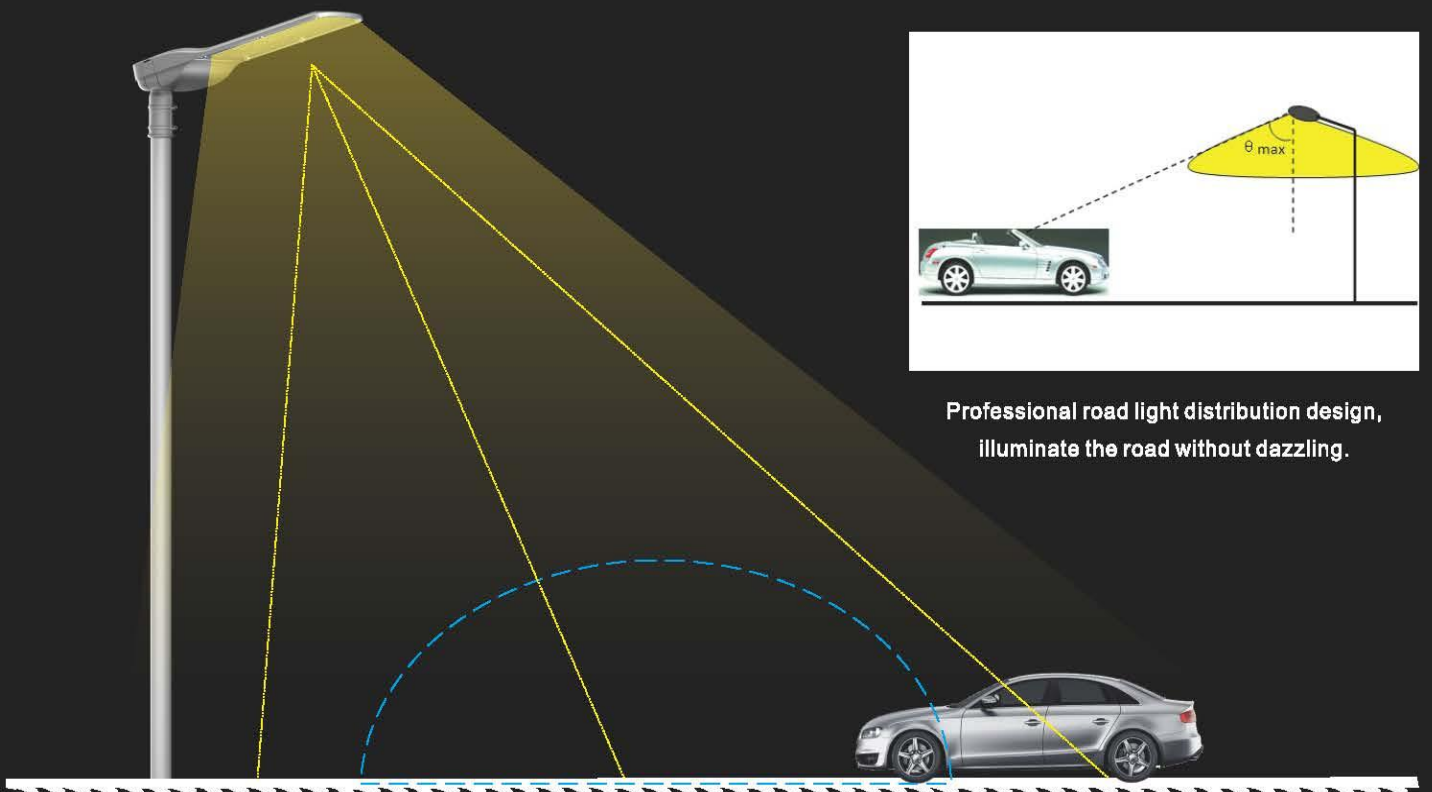
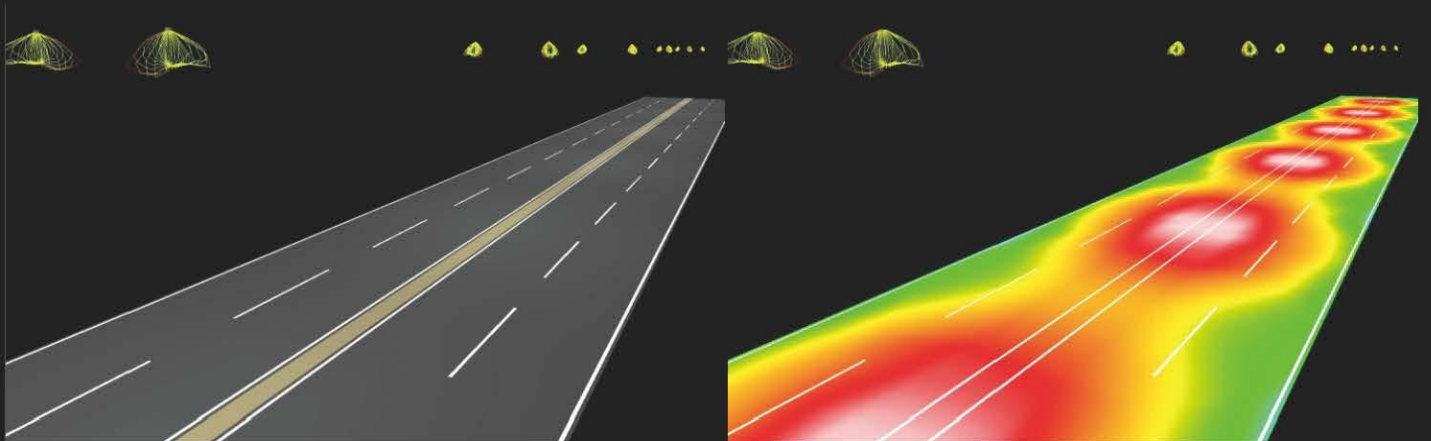
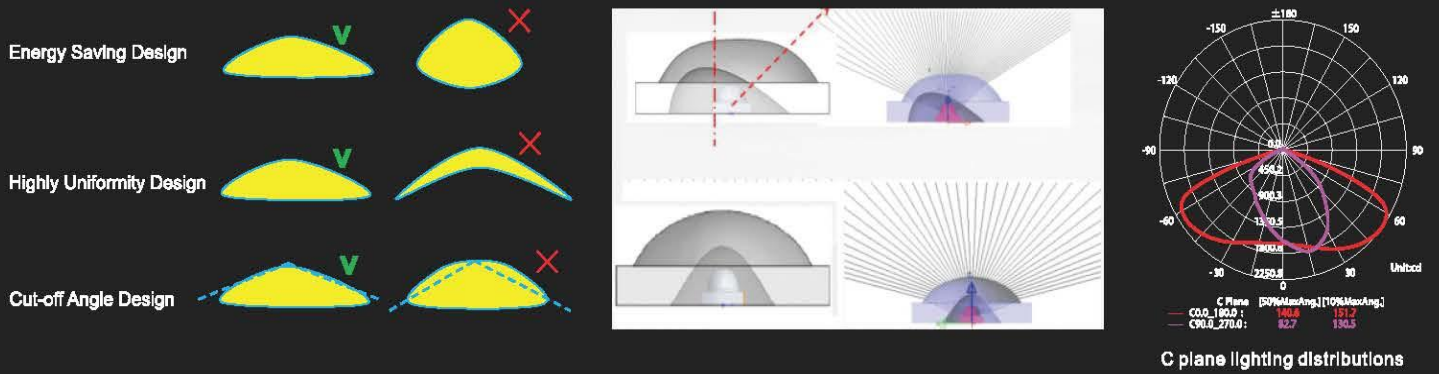


Vertical installation

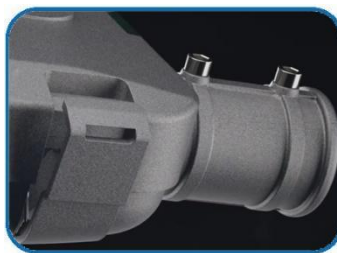
OPTICS

Tech. Support: Tell us the room length, width, height and the usage.

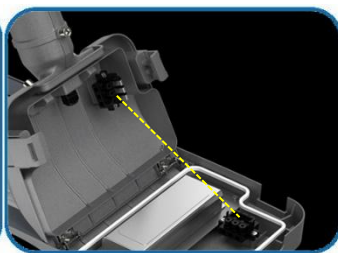
We have an engineer team to respond the DIALUX simulations for lights quantity calculation and effects. ies files are available upon request.



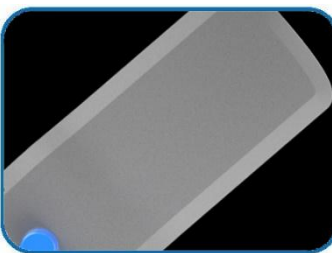
Product details



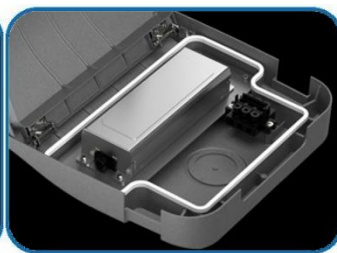
quick flip opening for easy maintenance



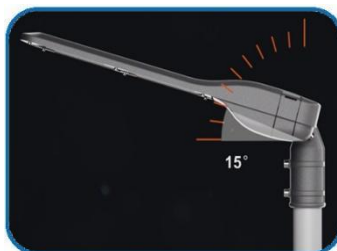
cover opening and power-off device



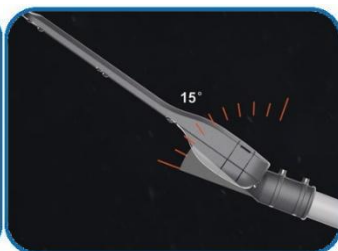
streamline shell without dust accumulation



weathering and anti-corrosion Si-seal ring



lamp angle adjustable (vertical mounting)



lamp angle adjustable (horizontal mounting)



NEMA light sensor optional



dark sky design without light pollution

Main technical parameters

Parameter items	50W	100W	150W	200W
Input voltage (V)	90-305Vac	90-305Vac	90-305Vac	90-305Vac
Power factor	≥0.95	≥0.95	≥0.95	≥0.95
Surge lightning protection (V)	6000	6000	6000	6000
Total harmonic distortion	≤10%	≤10%	≤10%	≤10%
Luminous efficiency for led chip (lm/W)	220	220	220	220
Light efficacy for luminaire (lm/W)	180	180	180	180
Energy efficiency rating	Class 1	Class 1	Class 1	Class 1
Luminous flux for luminaire (lm)	9000±5%	18000±5%	27000±5%	36000±5%
Correlated color temperature (K)	2500-5000	2500-5000	2500-5000	2500-5000
Color rendering index (Ra)	≥75	≥75	≥75	≥75
Beam angle (°)	150°*80°	150°*80°	150°*80°	150°*80°
LED lifespan (h)	≥100000	≥100000	≥100000	≥100000
Material of housing	die-cast aluminum	die-cast aluminum	die-cast aluminum	die-cast aluminum
Brand of led driver	Trismart led driver	Trismart led driver	Trismart led driver	Trismart led driver
Opening mode for power cavity	quick flip opening	quick flip opening	quick flip opening	quick flip opening
NEMA light sensor	optional	optional	optional	optional
Working temperature (°C)	-35°C - +55°C	-35°C - +55°C	-35°C - +55°C	-35°C - +55°C
IP protection	IP66	IP66	IP66	IP66
Dimensions (mm)	535*210*108	605*265*108	710*265*108	760*280*108
Weight (Kg)	3.8	5.0	6.0	7.0
Diameter of installation pipe (mm)	Φ60	Φ60	Φ60	Φ60
Recommended mounting height (m)	6	7-8	9-10	11-12
Warranty	5 years	5 years	5 years	5 years

