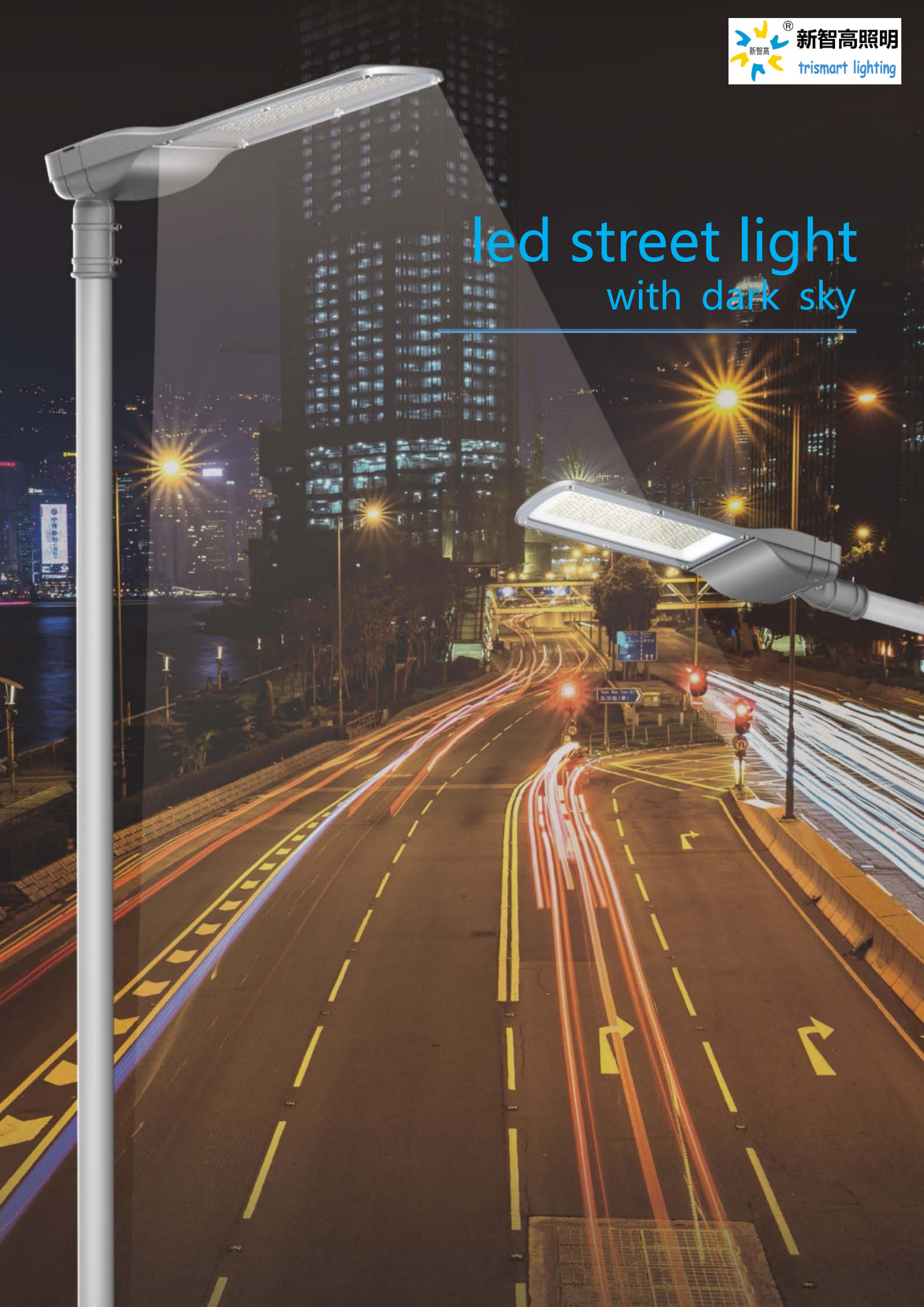
新智高照明
trismart lighting

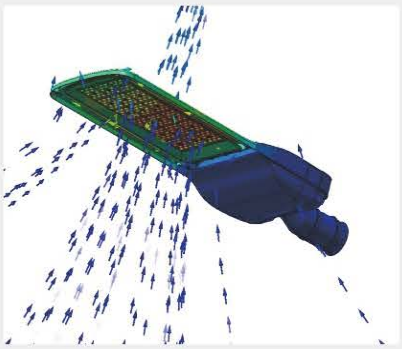
led street light
with dark sky



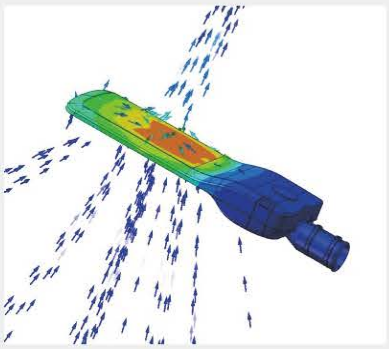
OVERVIEW

Thermal Management

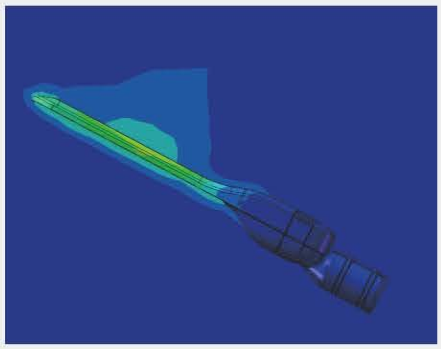
Structure is optimized by advanced FEA technology. Well managed temperature rise between internal and external parts. Even thermal distributions.Higher lumen maintenance rate.



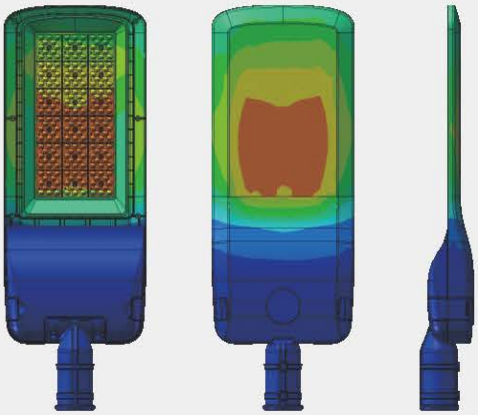
Thermal Air Convection



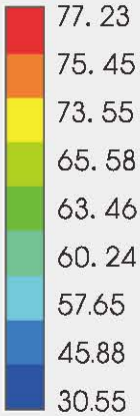
Thermal Air Convection

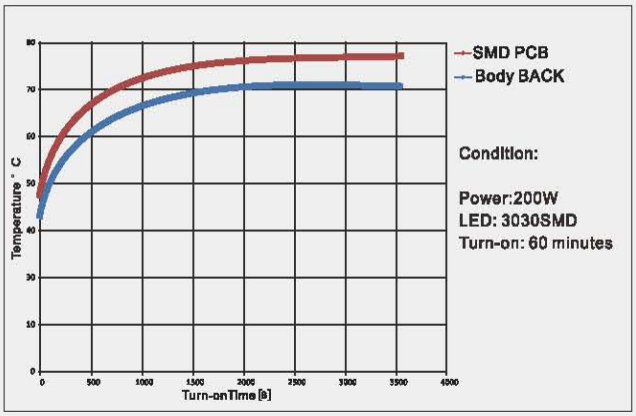


Thermal Effects to Air



Thermal Conductivity



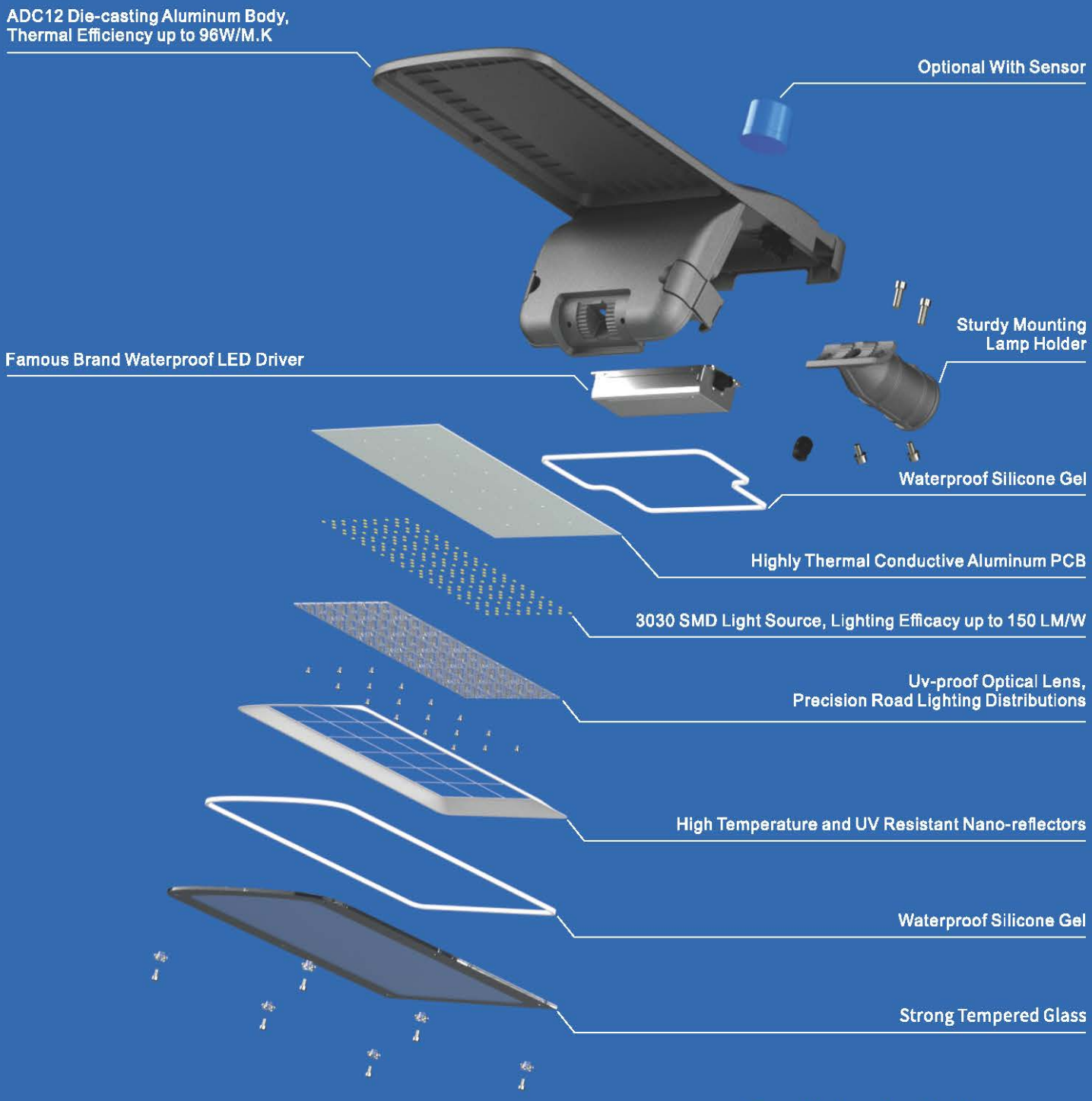


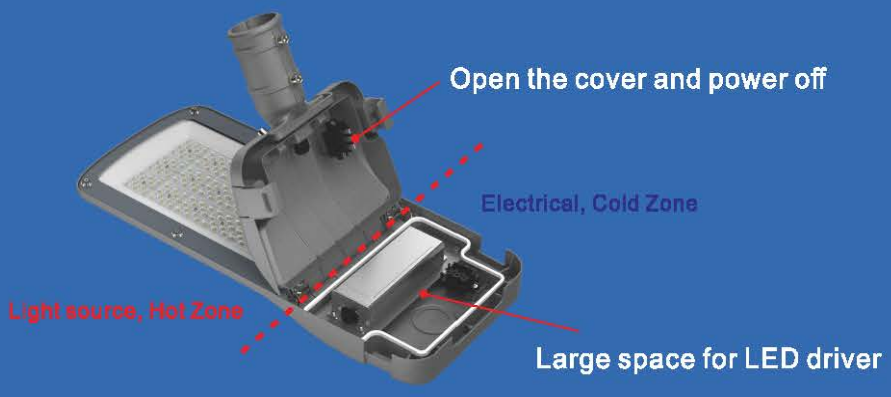
Temperature Rise

APPLICATIONS

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

EXPLODED





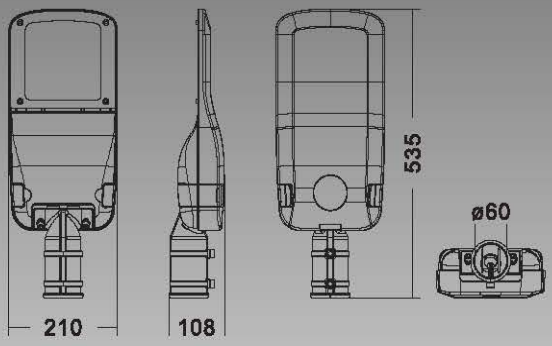
Electrothermal separation structure

Two Styles Available

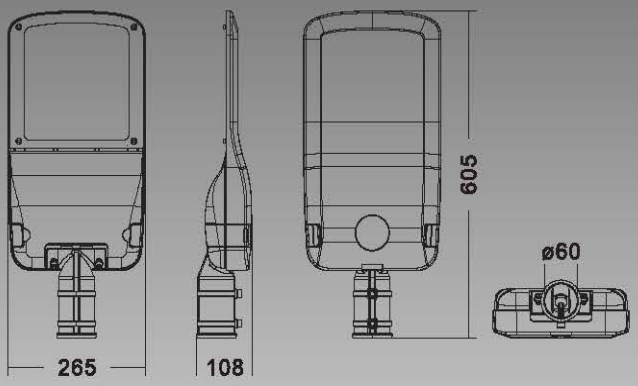
Regular Style Frame Style

DIAGRAMS

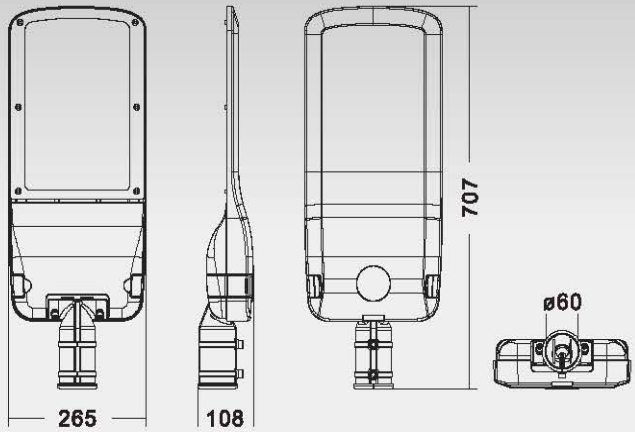
Unit:mm



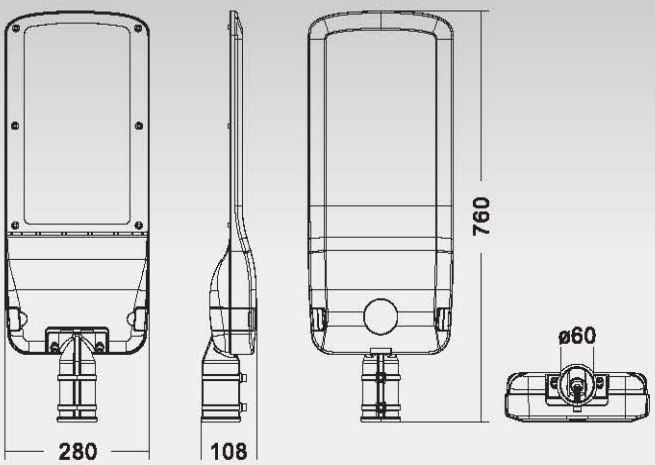
50W



100W

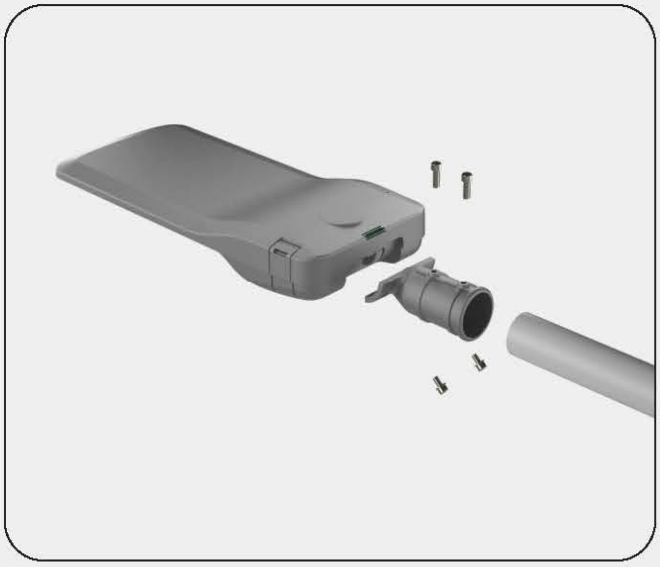


150W



200W

INSTALLATION

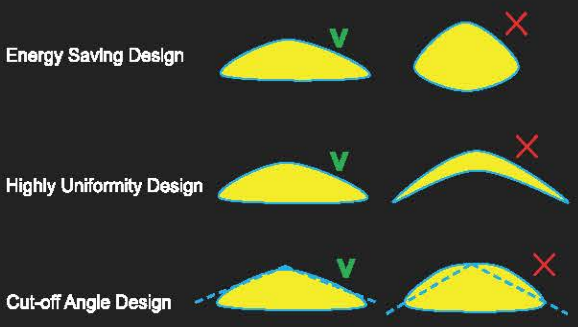


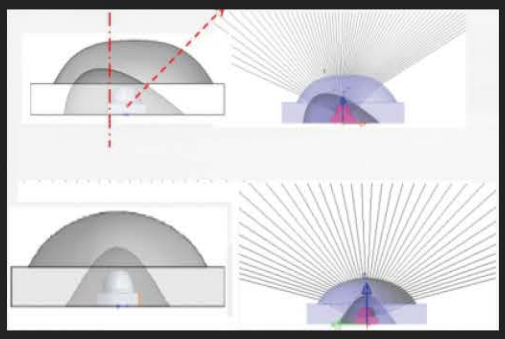
Horizontal installation

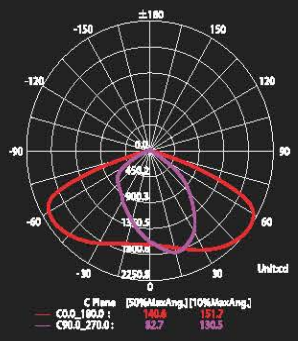
Vertical installation

OPTICS

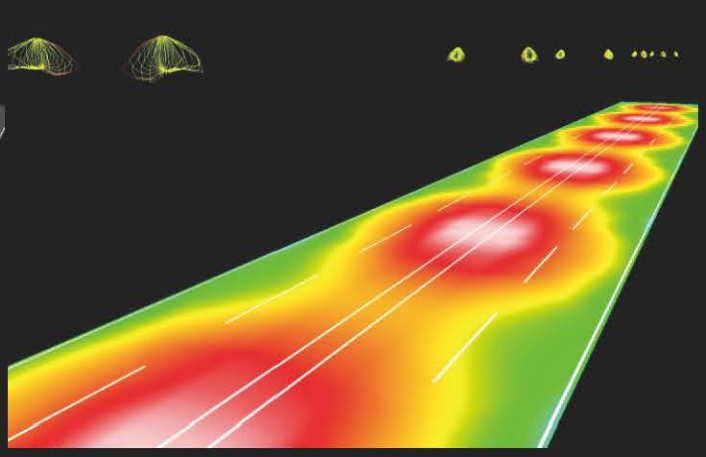
Tech. Support: Tell us the room length, width, height and the usage.
We have an engineer team to respond the DIALUX simulations for lights quantity calculation and effects. ies files are available upon request.

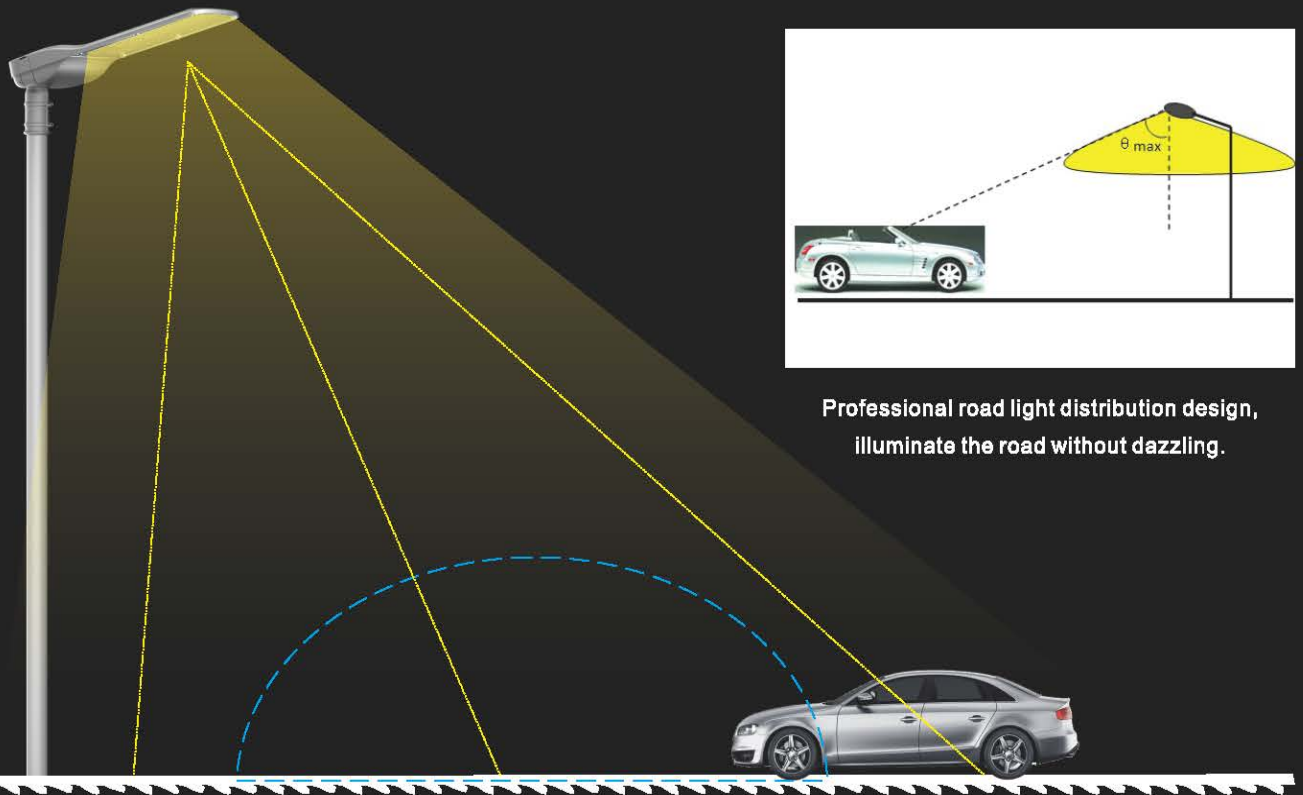






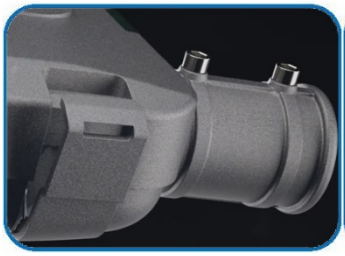
C plane lighting distributions



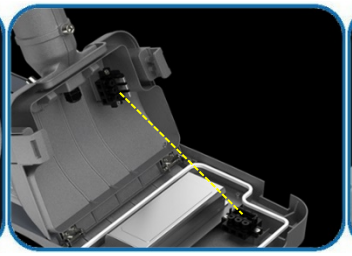


Professional road light distribution design, illuminate the road without dazzling.

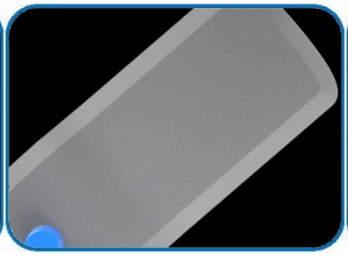
Product details



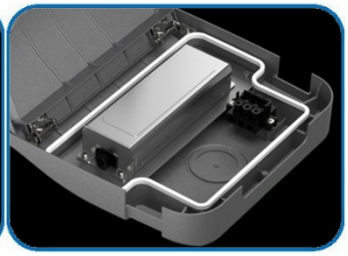
quick flip opening for easy maintenance



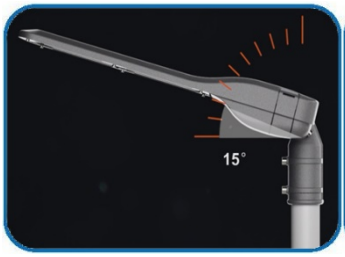
cover opening and power-off device



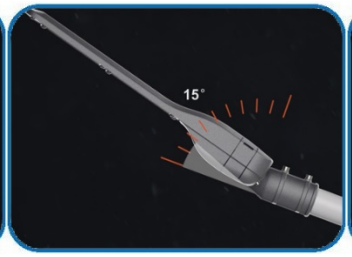
streamline shell without dust accumulation



weathering and anti-corrosion Si-seal ring

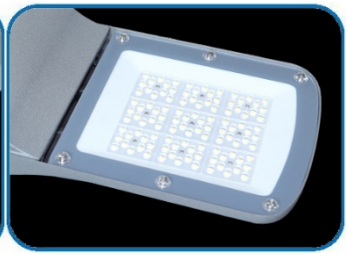


lamp angle adjustable (vertical mounting)



lamp angle adjustable (horizontal mounting)

NEMA light sensor optional



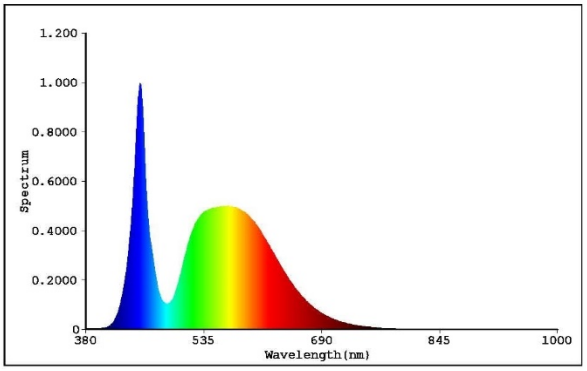
dark sky design without light pollution

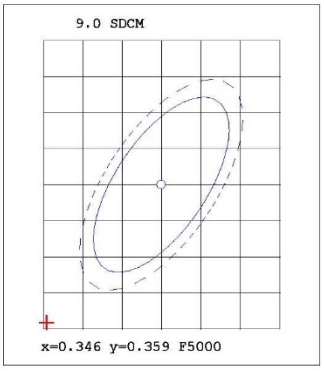
Main technical parameters

Parameter items	SZG508A-50W	SZG508A-100W	SZG508A-150W	SZG508A-200W
Input voltage（V）	90-305Vac	90-305Vac	90-305Vac	90-305Vac
Power factor	＞0.95	＞0.95	＞0.95	＞0.95
Brand of led chip（pcs）	Philips	Philips	Philips	Philips
Luminous efficiency for 3030 led（lm/W）	210	210	210	210
Total luminous flux for 3030 led（lm）	10000±5%	20000±5%	30000±5%	40000±5%
Light efficiency for 3030 luminaire（lm/W）	155-160	155-160	155-160	155-160
Correlated color temperature（K）	3000-6500	3000-6500	3000-6500	3000-6500
Color rendering index（Ra）	≥75	≥75	≥75	≥75
Beam angle（°）	150°*80°	150°*80°	150°*80°	150°*80°
LED lifespan（h）	100,000	100,000	100,000	100,000
Material of housing	die-casting aluminum	die-casting aluminum	die-casting aluminum	die-casting aluminum
Brand of led driver	Inventronics/Sosen	Inventronics/Sosen	Inventronics/Sosen	Inventronics/Sosen
Opening mode for power cavity	quick flip opening	quick flip opening	quick flip opening	quick flip opening
Cover opening and power-off device	optional	optional	optional	optional
Dark sky requirement	meet	meet	meet	meet
Working temperature（℃）	-40～+55℃	-40～+55℃	-40～+55℃	-40～+55℃
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
Installation of pipe diameter（mm）	Φ60	Φ60	Φ60	Φ60
Warranty	5 years	5 years	5 years	5 years

Test report of luminous efficiency of led chip

Spectrum Test Report





Color Parameters:

Chromaticity Coordinate(2Deg):x=0.3314 y=0.3399/u'=0.2066 v'=0.4768 duv=-1.324e-00

Tc=5545K Dominant WL:Ld=536.9nm Purity=1.5%

Ratio:R=14.1% G=82.3% B=3.7% Peak WL:Lp=451.4nm HWL:19.7nm

Render Index:Ra=75.7

R1 =74.64	R2 =79.78	R3 =80.99	R4 =76.68	R5 =74.83
R6 =71.19	R7 =83.59	R8 =63.76	R9 =-11.12	R10=49.49
R11=73.52	R12=44.41	R13=75.32	R14=89.03	R15=71.15

TM30 Parameters: Rf = 72.8, Rg:94.9

Photo Parameters:

Flux = 143.7 lm Eff. : 208.44 lm/W Fe = 440.0 mW

Electrical parameters:

VF = 5.750 V IF = 119.9 mA P = 689.4 mW Ch1

LEVEL:**[OUT] WHITE:ANSI_5700K

Status: T=140.00ms Ip=47130 (72%) [HAAS1200_V1_USB] V2.00.288

Model:120MA
Tester:D.U.01.0151 24V
Temperature:25.3Deg
Manufactory:EVERFINE
Assessor:damin
System:WY + HAAS1200_V1_USB

Number:3
Date:2021-06-05 16-40
Humidity:65.0%
Remarks:---