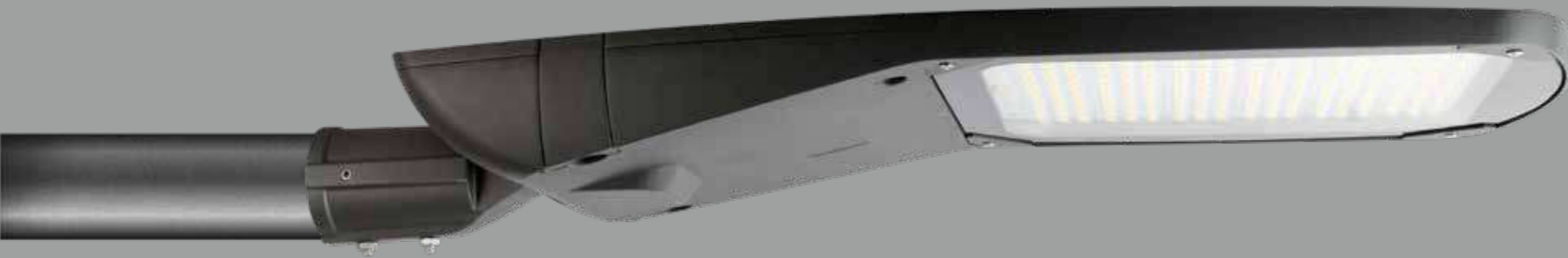


Pop



Pop is a modern and economical model.

- Modern design & Reliable Quality
- Ready for smart control and D4I
- Good Thermal control system to ensure long lifetime
- Tool-free design for easy installation and maintenance
- Low wind area and drop protector
- Best optic design ensure good uniformity



Pop

V120 Series

Patented design

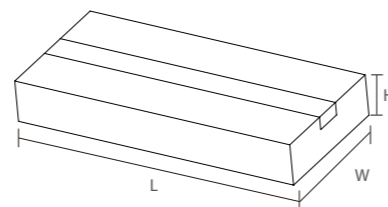


Technical information

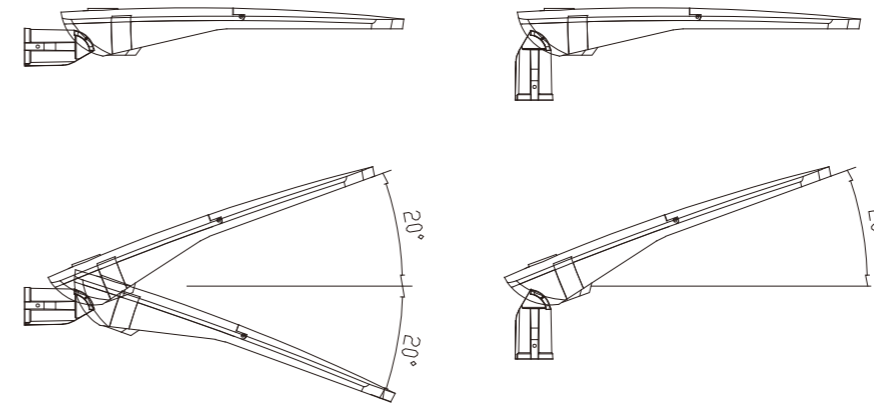
| Parameter | Technical data | Parameter | Technical data |
|-------------------|---------------------------|-----------------------|--------------------------------------|
| Lifetime | Up to 100,000hrs L95(B10) | Driver isolation | Class I or Class II |
| Wattags | 20~250W | Control dimming | DALI / 1-10V / Timing / PWM / ON/OFF |
| Light efficacy | Up to 160lm/W | Operating temperature | -40°C~80°C / 10% ~ 95% (humidity) |
| CRI | ≥ 70 | Body parts material | ADC12 (standard) / LM6 (option) |
| Color temperature | 3000K, 4000K, Amber color | Optic | PC (standard) / PMMA (option) |
| Operation voltage | AC 220-240V | Screen | Flat tempered glass 5mm thickness |
| Frequency | 50 / 60Hz | Gasket | Silicone |
| Power factor | ≥0.97 cos | Color stability | 5 MacAdam steps |

Packing Information

| Model | Carton Size(L*W*H) | QTY/Carton | N.W.(kg) | G.W.(kg) |
|----------|--------------------|------------|----------|----------|
| XS V120S | 610*270*150mm | 1 | 4.8 | 5.3 |
| S V120SP | 660*270*150mm | 1 | 5.2 | 5.9 |
| M V120M | 710*320*165mm | 1 | 6.4 | 7.2 |
| L V120MP | 750*320*150mm | 1 | 7.2 | 8.1 |
| XL V120L | 830*370*175mm | 1 | 9.0 | 10.1 |



Adjustable Angle



Details



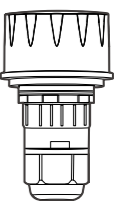
Motion sensor as option



Zhaga base Motion Sensor

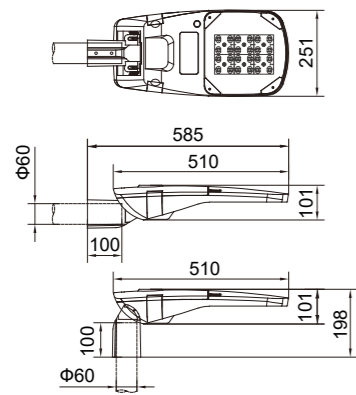
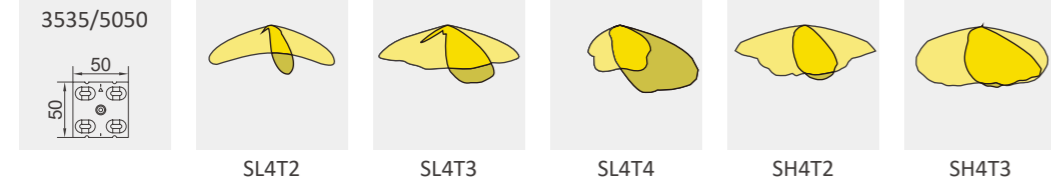
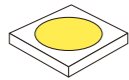
Motion sensor / Daylight Sensor

Code.SC807



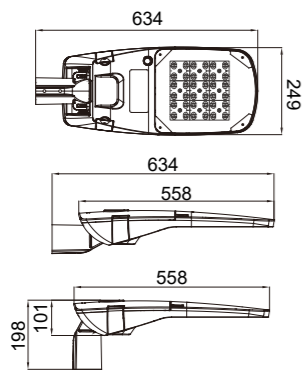
Pop

Optics available



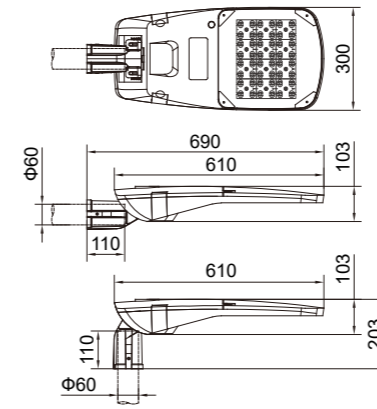
V120S

| Chip | LED QTY | Lens QTY | Power (W) | Luminaire output flux (lm) | Luminaire efficacy (lm/W) |
|------|---------|----------|-----------|----------------------------|---------------------------|
| 5050 | 16 | 4 | 20 | 3000 | 150 |
| 5050 | 16 | 4 | 30 | 4500 | 150 |
| 5050 | 16 | 4 | 40 | 6000 | 150 |
| 5050 | 16 | 4 | 50 | 7500 | 150 |
| 5050 | 24 | 6 | 60 | 9000 | 150 |
| 5050 | 24 | 6 | 70 | 10500 | 150 |
| 5050 | 24 | 6 | 80 | 12000 | 150 |



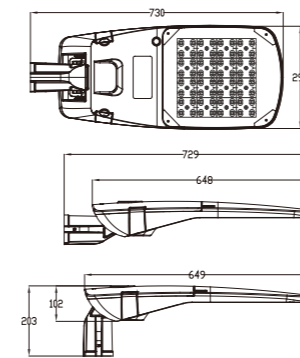
V120SP

| Chip | LED QTY | Lens QTY | Power (W) | Luminaire output flux (lm) | Luminaire efficacy (lm/W) |
|------|---------|----------|-----------|----------------------------|---------------------------|
| 5050 | 32 | 8 | 80 | 12000 | 150 |
| 5050 | 32 | 8 | 90 | 13500 | 150 |
| 5050 | 36 | 9 | 100 | 15000 | 150 |
| 5050 | 36 | 9 | 110 | 16500 | 150 |
| 5050 | 36 | 9 | 120 | 18000 | 150 |



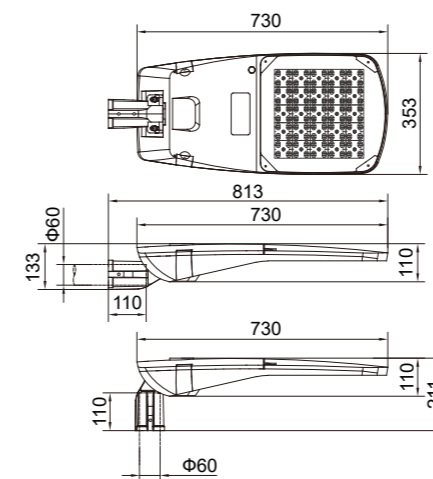
V120M

| Chip | LED QTY | Lens QTY | Power (W) | Luminaire output flux (lm) | Luminaire efficacy (lm/W) |
|------|---------|----------|-----------|----------------------------|---------------------------|
| 5050 | 32 | 8 | 90 | 13500 | 150 |
| 5050 | 32 | 8 | 100 | 15000 | 150 |
| 5050 | 36 | 9 | 110 | 16500 | 150 |
| 5050 | 36 | 9 | 120 | 18000 | 150 |
| 5050 | 36 | 9 | 130 | 19500 | 150 |
| 5050 | 48 | 12 | 140 | 21000 | 150 |
| 5050 | 48 | 12 | 150 | 22500 | 150 |
| 5050 | 48 | 12 | 160 | 24000 | 150 |
| 5050 | 48 | 12 | 170 | 25500 | 150 |
| 5050 | 48 | 12 | 180 | 27000 | 150 |



V120MP

| Chip | LED QTY | Lens QTY | Power (W) | Luminaire output flux (lm) | Luminaire efficacy (lm/W) |
|------|---------|----------|-----------|----------------------------|---------------------------|
| 5050 | 48 | 12 | 150 | 22500 | 150 |
| 5050 | 48 | 12 | 160 | 24000 | 150 |
| 5050 | 64 | 16 | 170 | 25500 | 150 |
| 5050 | 64 | 16 | 180 | 27000 | 150 |
| 5050 | 64 | 16 | 190 | 28500 | 150 |
| 5050 | 64 | 16 | 200 | 30000 | 150 |



V120L

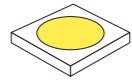
| Chip | LED QTY | Lens QTY | Power (W) | Luminaire output flux (lm) | Luminaire efficacy (lm/W) |
|------|---------|----------|-----------|----------------------------|---------------------------|
| 5050 | 80 | 20 | 180 | 27000 | 150 |
| 5050 | 80 | 20 | 190 | 28500 | 150 |
| 5050 | 80 | 20 | 200 | 30000 | 150 |
| 5050 | 100 | 25 | 210 | 31500 | 150 |
| 5050 | 100 | 25 | 220 | 33000 | 150 |
| 5050 | 100 | 25 | 230 | 34500 | 150 |
| 5050 | 100 | 25 | 240 | 36000 | 150 |
| 5050 | 100 | 25 | 250 | 37500 | 150 |

* 5050: LUMILEDS 5050; 3535: CREE XPG3; 3030: LUMILEDS 3030

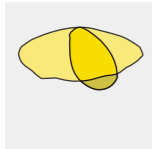
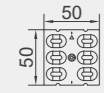
Lm: This data is tested under normal working condition, the actual data will depends on environment condition, optics/diffuser and CCT.

Pop

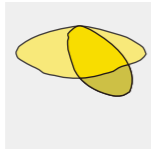
Optics available



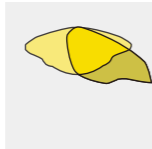
3535/5050



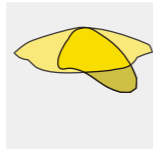
SL6T1



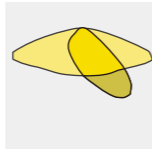
SL6T2



SL6T3



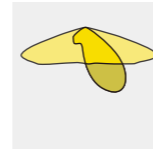
SX6T3



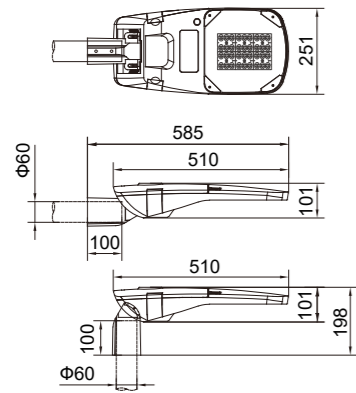
SL6G1



SL6G2

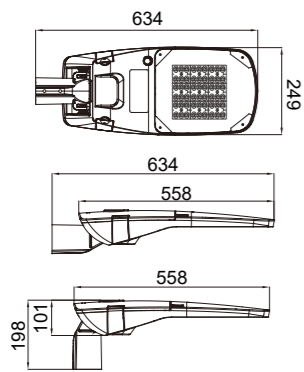


SL6G3



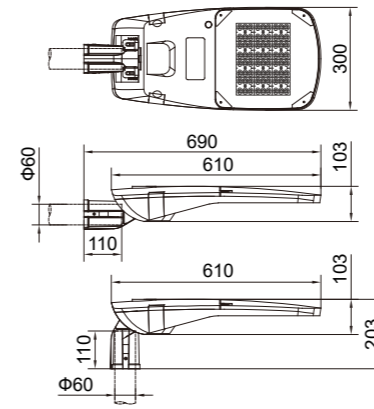
V120S

| Chip | LED QTY | Lens QTY | Power (W) | Luminaire output flux (lm) | Luminaire efficacy (lm/W) |
|------|---------|----------|-----------|----------------------------|---------------------------|
| 5050 | 24 | 4 | 20 | 2800 | 140 |
| 5050 | 24 | 4 | 30 | 4200 | 140 |
| 5050 | 24 | 4 | 40 | 5600 | 140 |
| 5050 | 24 | 4 | 50 | 7000 | 140 |
| 5050 | 36 | 6 | 60 | 8400 | 150 |
| 5050 | 36 | 6 | 70 | 9800 | 150 |
| 5050 | 36 | 6 | 80 | 11200 | 150 |

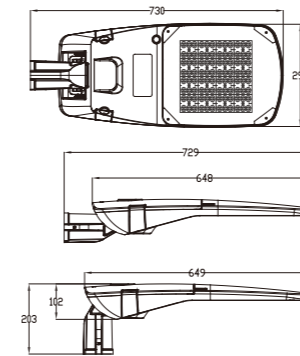


V120SP

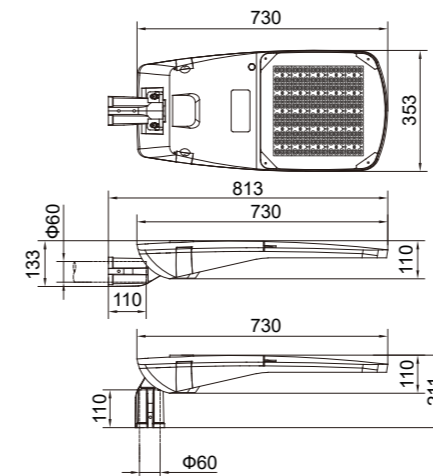
| Chip | LED QTY | Lens QTY | Power (W) | Luminaire output flux (lm) | Luminaire efficacy (lm/W) |
|------|---------|----------|-----------|----------------------------|---------------------------|
| 5050 | 48 | 8 | 80 | 11200 | 140 |
| 5050 | 48 | 8 | 90 | 12600 | 140 |
| 5050 | 54 | 9 | 100 | 14000 | 140 |
| 5050 | 54 | 9 | 110 | 15400 | 140 |
| 5050 | 54 | 9 | 120 | 16800 | 140 |



V120M



V120MP



V120L

| Chip | LED QTY | Lens QTY | Power (W) | Luminaire output flux (lm) | Luminaire efficacy (lm/W) |
|------|---------|----------|-----------|----------------------------|---------------------------|
| 5050 | 48 | 8 | 90 | 12600 | 140 |
| 5050 | 48 | 8 | 100 | 14000 | 140 |
| 5050 | 54 | 9 | 110 | 15400 | 140 |
| 5050 | 54 | 9 | 120 | 16800 | 140 |
| 5050 | 54 | 9 | 130 | 18200 | 140 |
| 5050 | 72 | 12 | 140 | 19600 | 140 |
| 5050 | 72 | 12 | 150 | 21000 | 140 |
| 5050 | 72 | 12 | 160 | 22400 | 140 |
| 5050 | 72 | 12 | 170 | 23800 | 140 |
| 5050 | 72 | 12 | 180 | 25200 | 140 |

| Chip | LED QTY | Lens QTY | Power (W) | Luminaire output flux (lm) | Luminaire efficacy (lm/W) |
|------|---------|----------|-----------|----------------------------|---------------------------|
| 5050 | 72 | 12 | 150 | 21000 | 140 |
| 5050 | 72 | 12 | 160 | 22400 | 140 |
| 5050 | 96 | 16 | 170 | 23800 | 140 |
| 5050 | 96 | 16 | 180 | 25200 | 140 |
| 5050 | 96 | 16 | 190 | 26600 | 140 |
| 5050 | 96 | 16 | 200 | 28000 | 140 |

| Chip | LED QTY | Lens QTY | Power (W) | Luminaire output flux (lm) | Luminaire efficacy (lm/W) |
|------|---------|----------|-----------|----------------------------|---------------------------|
| 5050 | 120 | 20 | 180 | 25200 | 140 |
| 5050 | 120 | 20 | 190 | 26600 | 140 |
| 5050 | 120 | 20 | 200 | 28000 | 140 |
| 5050 | 150 | 25 | 210 | 29400 | 140 |
| 5050 | 150 | 25 | 220 | 30800 | 140 |
| 5050 | 150 | 25 | 230 | 32200 | 140 |
| 5050 | 150 | 25 | 240 | 33600 | 140 |
| 5050 | 150 | 25 | 250 | 35000 | 140 |

* 5050: LUMILEDS 5050; 3535: CREE XPG3; 3030: LUMILEDS 3030

Lm: This data is tested under normal working condition, the actual data will depends on environment condition, optics/diffuser and CCT.

Pop



Installation mode

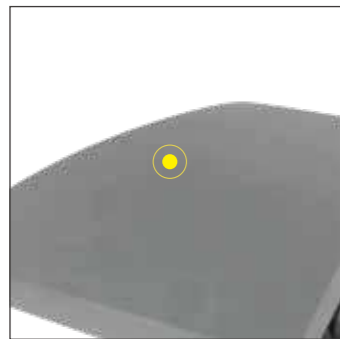


Cross mounting



Column mounting

Product Features



The lamp body adopts high-strength aluminum die-casting integrated molding



High temperature resistance and long service life



high reliability, with 1-10V and time control function



Convenient for construction personnel with accurate level



High transparency tempered glass, high protection, easy to clean



Positive and negative 20 ° installation adjustment, Better control of light



Suitable for various lamp pole diameters $\phi 60\text{mm}/76\text{mm}/48\text{mm}$

Motion sensor



Sensing devices

Various Sensor devices can define different luminous flux according to traffic conditions, weather, city safety requirement to reach the best performance for energy saving and make the citizen more comfortable.



MOVEMENT AND DETECTION

luminaires activated by-unite or by group when detected the movement including vehicle traffic and human transit and dimming criteria Time for each action.



PHOTOCELL AND NEMA SHOCKET

The fittings are turn down when the surrounding environment is dark and turned off when it becomes bright again.



OTHER SENSORS

Air Pollution, Temperature, wind, humidity, Camera,

