

SLA2 Street Light Datasheet



Key Spec

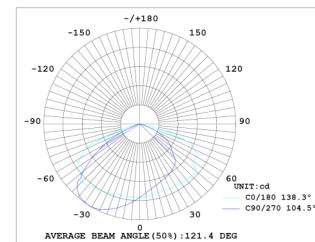
- ⇒ **Efficacy:** Up to 170 lm/w
- ⇒ **LED Chip:** SMD5050
- ⇒ **SDCM:** <5
- ⇒ **Beam Angle :** 60° | 90° | 120° | Type II-M | Type III-M | Type IV-M
- ⇒ **IP Rating:** IP66
- ⇒ **Control:** Daylight | NEMA&ZHAGA port | 0-10V dimming
- ⇒ **Spigot Size:** Ø40mm | Ø50mm | Ø60mm
- ⇒ **Certifications:** CE, RoHS
- ⇒ **Warranty:** 5 years

Application

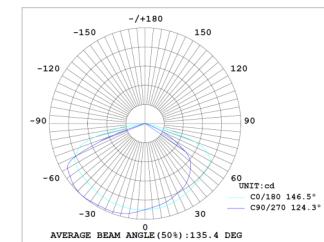
Urban main roads, expressways; secondary roads, branch roads; highways, tunnels, bridges; residential areas, parks, squares; airports, ports, docks; campuses, industrial parks and other types of road lighting.

Photometry

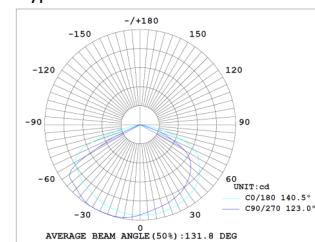
Type II-M PC lens



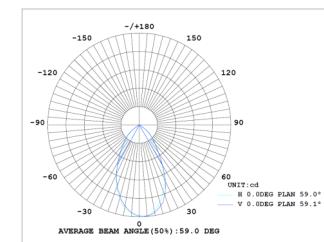
Type III-M PC lens



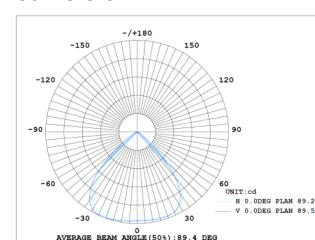
Type IV-M PC lens



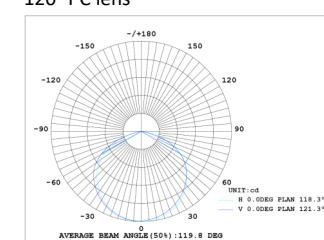
60° PC lens



90° PC lens



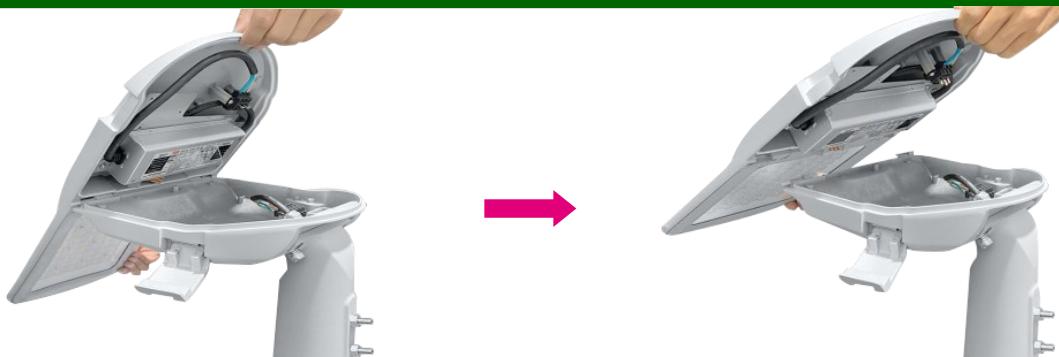
120° PC lens



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Product Details

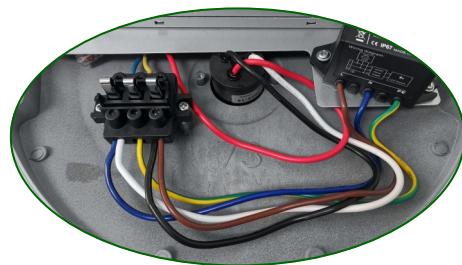
Easily to remove the lamp body for a fast maintenance on site.



Build-in Spirit Level : Ease of installation.



The wiring specifications of the lamps are organized, easy to maintenance and upgrade to smart road lighting system.



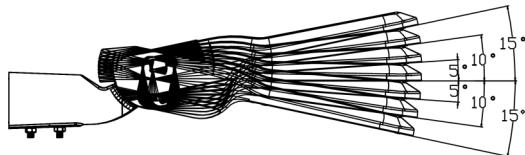
Airflow vent to extend life and eliminate moisture inside.



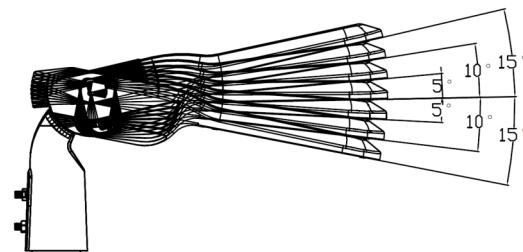
Adjust the screw to change the lighting direction.



Adjustable angle ①



Adjustable angle ②



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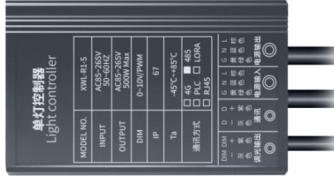
Product Data

Model No.	KML-SL030A2	KML-SL060A2	KML-SL080A2	KML-SL100A2	KML-SL120A2	KML-SL150A2	KML-SL200A2	KML-SL240A2	KML-SL300A2
Power	30W	60W	80W	100W	120W	150W	200W	240W	300W
Lumen Output	5,100 lm	10,200 lm	13,600 lm	17,000 lm	20,400 lm	25,500 lm	34,000 lm	40,800 lm	51,000 lm
Luminous Efficacy	170 lm/w (150 lm/w optional)								
CCT	3000K/4000K/5000K/5700K/6500K								
CRI	Ra≥70 (Ra≥80 optional)								
Input Voltage	100 to 277 VAC; 50Hz 60Hz								
Spigot Size	Ø40mm Ø50mm Ø60mm								
Housing Color	Gray								
Housing Material	Aluminum, PC, Glass								
Power Factor	PF>0.90								
Efficiency In	>90%								
Energy Efficiency Class	C								
Operating Temperature	-30°C to +50°C								
Operating Humidity	10% to 90% RH								
Design Lifespan	100,000 hours								
Warranty	5 years								

Note: 1. The above parameters are all obtained at +25°C and there are errors within the allowable range of relevant standards.
2. This specification book is for reference only. We retains the right to optimize and modify without pre -notification!

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Mounting & Accessories (optional)

	<p>Daylight Sensor</p> <p>Model No.: SLGG Light On < 6lux; Light Off > 50lux</p>
	<p>PLC Power line communication</p> <p>⇒ Power line communication; Supports scheduling, time-of-day control, holiday settings, and dimming strategies; ⇒ It can expand functions such as lamp pole tilt detection/lamp movement with vehicle/illuminance detection/leakage monitoring, etc. ⇒ Supports various protocols (TCP, MQTT, API, etc.) for integration with third-party systems.</p>
	<p>4G (single light controller)</p> <p>⇒ 4G CAT.1 communication, built-in chip card, full network access; ⇒ Support timing, longitude and latitude time control, holidays and dimming strategies; ⇒ It can expand functions such as lamp pole tilt detection/lamp movement with vehicle/illuminance detection/leakage monitoring, etc. ⇒ Supports multiple protocols such as TCP/MQTT/API to connect to third-party systems.</p>
	<p>NEMA 7 pins Socket with Blank Cover</p> <p>Black; when selected, it needs to be used with a dimming driver. Socket Model No.: JL-240FXA-14 Shorting Cap Model No.: JL-208</p>
	<p>ZHAGA 4 pins Socket and Daylight Sensor</p> <p>Black; when selected, it needs to be used with a dimming driver with an auxiliary source. Socket Model No.: JL-700; with cover. Light control Model No.: JL-701A; with socket and light control.</p>
	<p>Surge Protection Device</p> <p>Surge Protection Device Model No.: SL-FLQ-P10B; 10kV 10kA SL-FLQ-P20B; 20kV 20kA</p>

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Packaging (without daylight sensor)

Model No.	CTNS/CTN	N.W	G.W	Volumetric Weight	Carton Size and Volume	20GP(28m ³)	40HC/HQ(68m ³)
KML-SL030A2	1	3.4 kg	3.8 kg	4.8 kg	L623xW255xH150 mm ≈ 0.024 m ³	1,166 CTNS	2,833 CTNS
KML-SL060A2	1	3.6 kg	4.0 kg	4.8 kg	L623xW255xH150 mm ≈ 0.024 m ³	1,166 CTNS	2,833 CTNS
KML-SL080A2	1	4.5 kg	5.1 kg	6.0 kg	L666xW295xH150 mm ≈ 0.029 m ³	965 CTNS	2,344 CTNS
KML-SL100A2	1	4.6 kg	5.2 kg	6.0 kg	L666xW295xH150 mm ≈ 0.029 m ³	965 CTNS	2,344 CTNS
KML-SL120A2	1	4.8 kg	5.4 kg	6.0 kg	L666xW295xH150 mm ≈ 0.029 m ³	965 CTNS	2,344 CTNS
KML-SL150A2	1	5.5 kg	6.2 kg	7.0 kg	L736xW315xH150 mm ≈ 0.035 m ³	800 CTNS	1,942 CTNS
KML-SL200A2	1	6.2 kg	7.2 kg	8.0 kg	L747xW355xH150 mm ≈ 0.040 m ³	700 CTNS	1,700 CTNS
KML-SL240A2	1	6.3 kg	7.3 kg	8.0 kg	L747xW355xH150 mm ≈ 0.040 m ³	700 CTNS	1,700 CTNS
KML-SL300A2	1	8.4 kg	9.6 kg	9.0 kg	L846xW355xH150 mm ≈ 0.045 m ³	622 CTNS	1,511 CTNS

Remarks: The weight of the above products is for reference only, and the weight of different configuration products will be different.

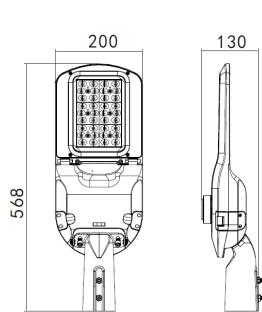
Packaging (with daylight sensor)

Model No.	CTNS/CTN	N.W	G.W	Volumetric Weight	Carton Size and Volume	20GP(28m ³)	40HC/HQ(68m ³)
KML-SL030A2	1	3.7 kg	4.2 kg	5.4 kg	L623xW255xH170 mm ≈ 0.027 m ³	1,037 CTNS	2,518 CTNS
KML-SL060A2	1	3.9 kg	4.4 kg	5.4 kg	L623xW255xH170 mm ≈ 0.027 m ³	1,037 CTNS	2,518 CTNS
KML-SL080A2	1	4.8 kg	5.5 kg	6.7 kg	L666xW295xH170 mm ≈ 0.033 m ³	848 CTNS	2,060 CTNS
KML-SL100A2	1	4.9 kg	5.6 kg	6.7 kg	L666xW295xH170 mm ≈ 0.033 m ³	848 CTNS	2,060 CTNS
KML-SL120A2	1	5.1 kg	5.8 kg	6.7 kg	L666xW295xH170 mm ≈ 0.033 m ³	848 CTNS	2,060 CTNS
KML-SL150A2	1	5.9 kg	6.7 kg	8.0 kg	L736xW315xH170 mm ≈ 0.039 m ³	717 CTNS	1,743 CTNS
KML-SL200A2	1	6.5 kg	7.6 kg	9.0 kg	L747xW355xH170 mm ≈ 0.045 m ³	622 CTNS	1,511 CTNS
KML-SL240A2	1	6.6 kg	7.7 kg	9.0 kg	L747xW355xH170 mm ≈ 0.045 m ³	622 CTNS	1,511 CTNS
KML-SL300A2	1	8.7 kg	10.0 kg	10.0 kg	L846xW355xH170 mm ≈ 0.051 m ³	549 CTNS	1,333 CTNS

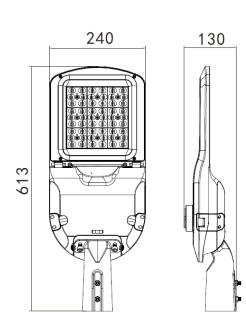
Remarks: The weight of the above products is for reference only, and the weight of different configuration products will be different.

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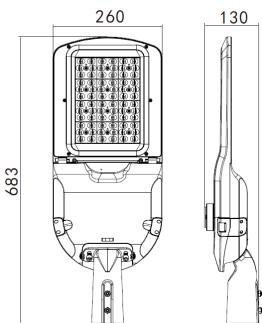
Dimension (unit: mm)



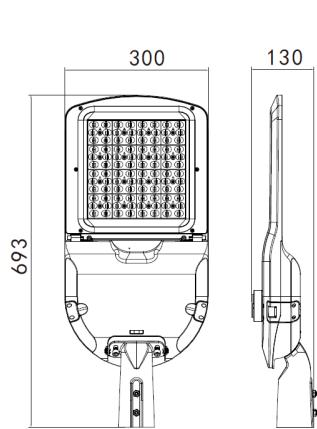
KML-SL030A2/KML-SL060A2



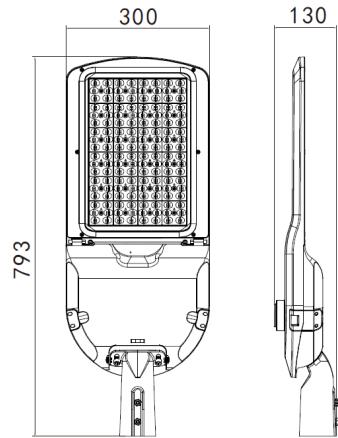
KML-SL080A2/KML-SL100A2/KML-SL120A2



KML-SL150A2

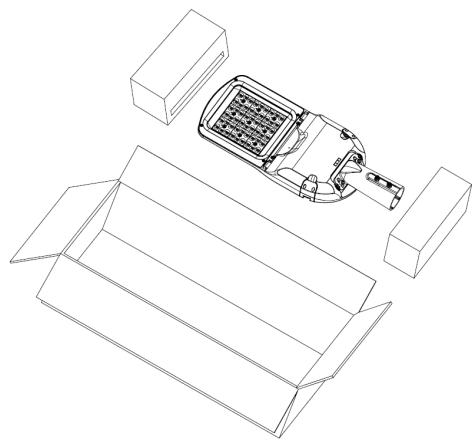


KML-SL200A2/KML-SL240A2

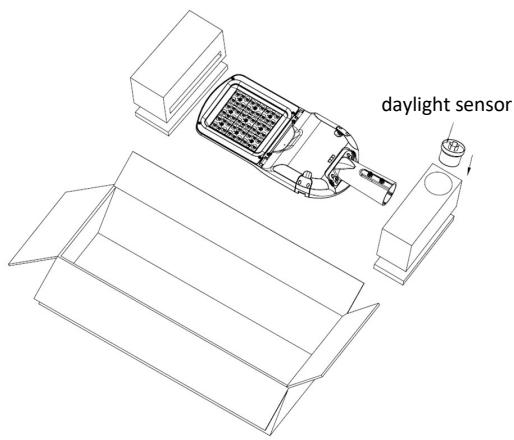


KML-SL300A2

Packaging Images



Without daylight sensor



With daylight sensor