

SHA Area Light Datasheet



Key Features

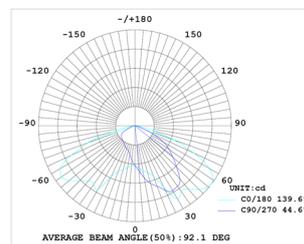
- ⇒ **Efficacy:** Up to 140 lm/w
- ⇒ **LED Chip:** SMD3030|SMD5050
- ⇒ **SDCM:** <5
- ⇒ **Beam Angle:** Type III | Type IV | Type V PC lens
- ⇒ **IP Rating:** IP65
- ⇒ **Control:** Daylight | NEMA & ZHAGA port | 4G | PLC
- ⇒ **Installation:** Slip fitter | Arm (Square | Round pole) | Bracket
- ⇒ **Warranty:** 5 years

Application

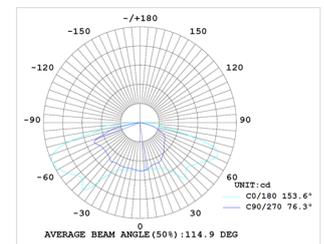
Site, area, road and other lighting applications; Ideal for large retailers, commercial to medical properties, and big box retailers. And suitable for roadways.

Photometry

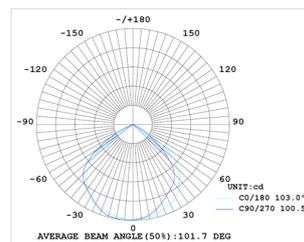
Type III PC lens



Type IV PC lens



Type V PC lens



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Product Data

Model No.	KML-SH080A	KML-SH100A	KML-SH150A	KML-SH200A	KML-SH240A	KML-SH300A
Power	80W	100W	150W	200W	240W	300W
Lumen Output	11,200 lm	14,000 lm	21,000 lm	28,000 lm	33,600 lm	42,000 lm
Luminous Efficacy	140 lm/w					
CCT	3000K 4000K 5000K 5700K 6500K					
CRI	Ra≥70 (Ra≥80 optional)					
Input Voltage	100 to 277 VAC; 50Hz/60Hz					
Housing Color	Black Bronze					
Housing Material	Die-cast Aluminum, PC					
Operating Temperature	-30°C to +50°C					
Operating Humidity	10% to 90% RH					
Lifespan	100,000 hours					
Warranty	5 years					

ErP Technical Specification (25°C operating temperature)

Item	Specification/Data
Efficiency In	≥90%
Power Factor	PF≥0.90
Energy Efficiency Class	D
Standard Deviation of Color Matching	<5
Starting Time	<0.2S
Warm-up Time to 60%	<0.5S
Lumen Maintenance at e.o.l.	>70%
Lifetime	L70/B10@100,000hours

**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 (options)

	<p>Daylight Sensor</p> <p>Model No.: SLGG Light On <6lux; Light Off >50lux</p>
	<p>PLC Power line communication</p> <ul style="list-style-type: none"> ⇒ 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>4G (single light controller)</p> <ul style="list-style-type: none"> ⇒ 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>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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Mounting & Accessories (required)

	<p>Slip Fitter</p> <p>Model No.: SHA-YG Pole Size: Ø60mm; Black Bronze</p>
	<p>Mounting Arm (square)</p> <p>Model No.: SHA-FG Black Bronze</p>
	<p>Mounting Arm (round)</p> <p>Model No.: SHA-BG Black Bronze</p>
	<p>Wall Mount</p> <p>Model No.: SHA-BZ Black Bronze</p>

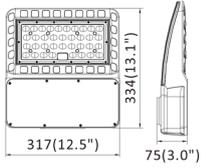
Packaging

Model No.	PCS/CTN	N.W	G.W	Volumetric Weight	Carton Size and Volume	20GP(28m³)	40HC/HQ (68m³)
KML-SH080A	1	5.4 kg	6.6 kg	6.0 kg	L590xW370xH135 mm ≈0.029 m ³	965 CTNS	2,344 CTNS
KML-SH100A	1	5.6 kg	6.8 kg	6.0 kg	L590xW370xH135 mm ≈0.029 m ³	965 CTNS	2,344 CTNS
KML-SH150A	1	5.8 kg	7.3 kg	6.0 kg	L590xW370xH135 mm ≈0.029 m ³	965 CTNS	2,344 CTNS
KML-SH200A	1	6.7 kg	8.4 kg	7.0 kg	L710xW370xH135 mm ≈0.035 m ³	800 CTNS	1,942 CTNS
KML-SH240A	1	6.9 kg	8.6 kg	7.0 kg	L710xW370xH135 mm ≈0.035 m ³	800 CTNS	1,942 CTNS
KML-SH300A	1	8.2 kg	10.2 kg	8.5 kg	L825xW370xH140 mm ≈0.043 m ³	651 CTNS	1,581 CTNS

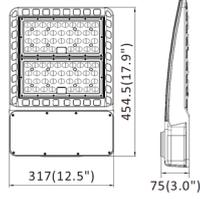
Remarks: The weight of the above products is for reference only, and the weight of different configuration products will be different.

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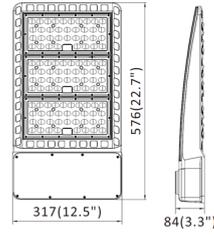
Dimension (unit: mm/Inch)



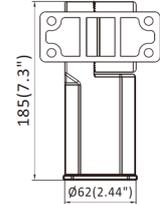
KML-SH080A |
KML-SH100A |
KML-SH150A



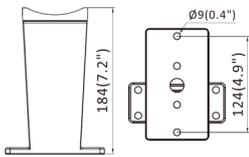
KML-SH200A/
KML-SH240A



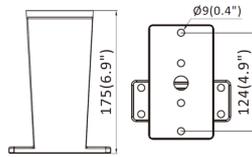
KML-SH300A



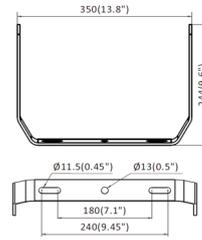
SHA-YG (Slip Fitter)



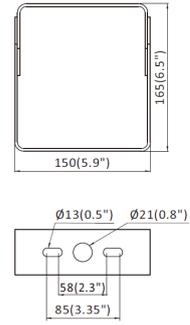
SHA-BG (Round Pole)



SHA-FG (Square Pole)



SHA-TZ (Wall Mount)



SHA-BZ (Wall Mount)

Packaging Images

