

# SHG Area Light Datasheet



## Key Features

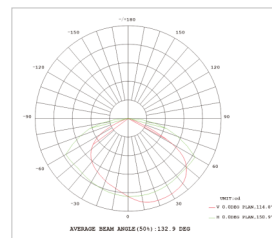
- ⇒ **Efficacy:** Up to 150 lm/w
- ⇒ **LED Chip:** SMD3030 | SMD5050
- ⇒ **SDCM:** <5
- ⇒ **Beam Angle:** Type II-M | Type III-M | Type IV-M | 60° | 90° PC lens
- ⇒ **IP Rating:** IP65
- ⇒ **Controls:** Daylight | NEMA & ZHAGA port | 4G | PLC
- ⇒ **Installation:** Slip fitter | Arm (Square | Round pole) | Bracket
- ⇒ **Warranty:** 5 years

## Application

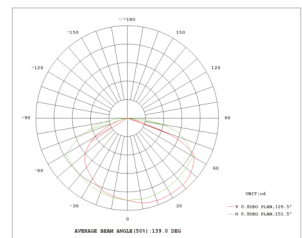
Site, area, road and other lighting applications; Ideal for large retailers, commercial to medical properties, and big box retailers. And suitable for roadways.

## Photometry

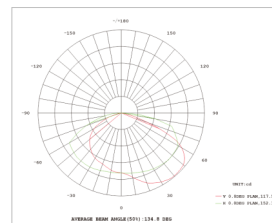
Type II-M PC lens



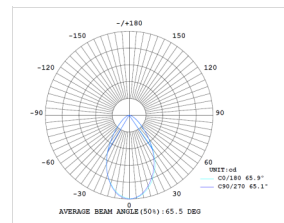
Type III-M PC lens



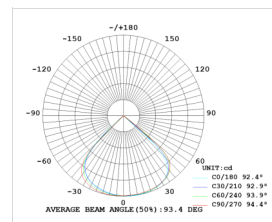
Type IV-M PC lens



60° PC lens



90° PC lens



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## Product Data

Model No.	KML-SH050G	KML-SH080G	KML-SH100G	KML-SH150G	KML-SH200G	KML-SH240G	KML-SH300G	KML-SH400G
Power	50W	80W	100W	150W	200W	240W	300W	400W
Lumen Output	7,500 lm	12,000 lm	15,000 lm	22,500 lm	30,000 lm	36,000 lm	45,000 lm	60,000 lm
Luminous Efficacy	150 lm/w							
CCT	3000K/4000K/5000K/5700K /6500K							
CRI	Ra≥70 (Ra≥80 optional)							
Input Voltage	100 to 277 VAC							
Housing Color	Black/White							
Housing Material	Aluminum, PC							
Operating Temperature	-30°C to +50°C							
Operating Humidity	10% to 90% RH							
Lifespan	100,000 hours							
Warranty	5 years							


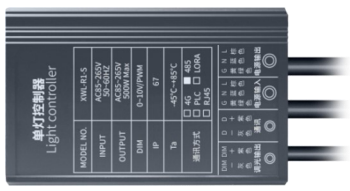


## ErP Technical Specification (25°C operating temperature)

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><b>Daylight Sensor</b></p> <p>Model No.: SLGG Light On &lt; 6lux; Light Off &gt; 50lux</p>
	<p><b>PLC Power line communication</b></p> <ul style="list-style-type: none"> <li>⇒ Power line communication; Supports scheduling, time-of-day control, holiday settings, and dimming strategies;</li> <li>⇒ It can expand functions such as lamp pole tilt detection/lamp movement with vehicle/illuminance detection/leakage monitoring, etc.</li> <li>⇒ Supports various protocols (TCP, MQTT, API, etc.) for integration with third-party systems.</li> </ul>
	<p><b>4G (single light controller)</b></p> <ul style="list-style-type: none"> <li>⇒ 4G CAT.1 communication, built-in chip card, full network access;</li> <li>⇒ Support timing, longitude and latitude time control, holidays and dimming strategies;</li> <li>⇒ It can expand functions such as lamp pole tilt detection/lamp movement with vehicle/illuminance detection/leakage monitoring, etc.</li> <li>⇒ Supports multiple protocols such as TCP/MQTT/API to connect to third-party systems.</li> </ul>
	<p><b>NEMA 7 pins Socket with Blank Cover</b></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><b>ZHAGA 4 pins Socket and Daylight Sensor</b></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><b>Surge Protection Device</b></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)

	Slip Fitter (adjustable angle) Model No.: SHG-SFT Pole Size: Ø60mm White/Black
	Slip Fitter Model No.: SHG-SFZ Pole Size: Ø60mm White/Black
	Mounting Arm (square) Model No.: SHG-BGF White/Black
	Mounting Arm (round) Model No.: SHG-BGY White/Black
	Wall Mount Model No.: SHG-ZJ White/Black

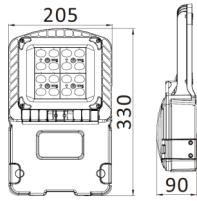
## Packaging

Model No.	PCS/CTN	N. W	G. W	Volumetric Weight	Carton Size and Volume	20GP(28m³)	40HC/HQ(68m³)
KML-SH050G	1	4.5 kg	5.0 kg	4.3 kg	L575xW257xH145 mm ≈ 0.021 m³	1,333 CTNS	3,238 CTNS
KML-SH080G	1	5.0 kg	5.6 kg	4.3 kg	L575xW257xH145 mm ≈ 0.021 m³	1,333 CTNS	3,238 CTNS
KML-SH100G	1	6.0 kg	6.8 kg	5.6 kg	L562xW345xH145 mm ≈ 0.028 m³	1,000 CTNS	2,428 CTNS
KML-SH150G	1	6.5 kg	7.0 kg	5.6 kg	L562xW345xH145 mm ≈ 0.028 m³	1,000 CTNS	2,428 CTNS
KML-SH200G	1	7.5 kg	8.7 kg	6.2 kg	L623xW345xH145 mm ≈ 0.031 m³	903 CTNS	2,193 CTNS
KML-SH240G	1	8.7 kg	10.2 kg	7.7 kg	L733xW360xH145 mm ≈ 0.038 m³	736 CTNS	1,786 CTNS
KML-SH300G	1	9.3 kg	11.0 kg	7.7 kg	L733xW360xH145 mm ≈ 0.038 m³	736 CTNS	1,786 CTNS
KML-SH400G	1	11.5 kg	13.5 kg	9.3 kg	L895xW360xH145 mm ≈ 0.047 m³	595 CTNS	1,446 CTNS

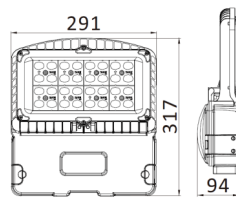
**Remarks:** The weight of the above products is for reference only, and the weight of different configuration products will be different.

# SHG Area Light Datasheet

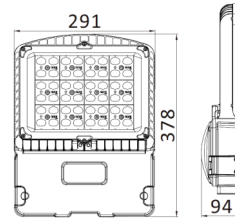
## Dimension (unit: mm)



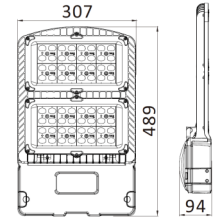
KML-SH050G/KML-SH080G



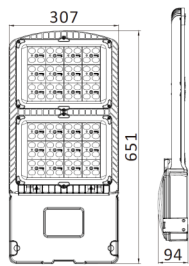
KML-SH100G/KML-SH150G



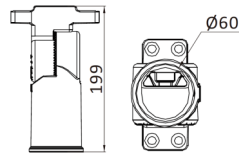
KML-SH200G



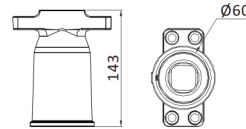
KML-SH240G/KML-SH300G



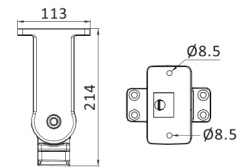
KML-SH400G



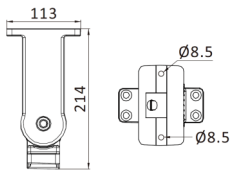
SHG-SFT (Slip Fitter)



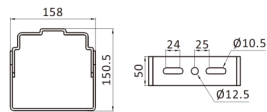
SHG-SFZ (Slip Fitter)



SHG-BGF (Square)



SHG-BGY (Round)



SHG-ZJ (Bracket)