



STREET LIGHT - G4SL Series

DESCRIPTION

JLS-G4SL Street Light provides multifunctional lighting solutions with top-notch performance, which are specially designed for various area and roadway applications. The first-class performance, along with the excellent and comfortable optical lighting, can maximize energy savings and reduce maintenance and operating costs. Meanwhile, the G4SL series comes with features such as on-site adjustable light output, compatibility with light controls, infrared sensors and surge protection, etc., simplifying the selection of luminaires for reliable LED roadway lighting upgrades.

FEATURES

- Wattage selectable from 30W to 301W
- CCT Options: 3000K / 4000K / 5000K
- Sensors Optional
- Photocell Optional NEMA 3-pin / 7-pin
- Each model supports 4 levels wattage field-selectable



Revised 10/09/2026

Specifications are typical values and may change without notification



SPECIFICATIONS

Model Name	G4SL				
Type	M1	M2	M3	M4	M5
Wattage Options	30/45/60/75W	41/61/81/101W	64/96/128/160W	81/121/161/201W	121/181/241/301W
BUG Rating	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B4-U0-G4
Input Voltage	120-277 VAC / 277-480 VAC				
Dimming	0-10V Dimming (10%-100%)				
PROTECTION	Integral short circuit, open circuit, and overload protection				
Surge Protection	10KV for 277V / 20KV for 480V				
Power Factor	>0.9				
THD	<20%				
Operating Temperature	-40°C to +40°C (-40°F to 104°F)				
Lifespan	100,000 Hours				
CRI	>70				
Selectable CCT	3000K / 4000K / 5000K Selectable				
Distribution Types	Type II / III / IV				
Lumen Range	5,200lm – 46,200lm				
Housing Material	Heavy-duty cast aluminum				
Finish Options	Black / Dark Bronze / Silver Gray / White				
Certification	UL Wet Location Listed				
Mount	Mast arm mount is suitable for arms 1-5/8" to 2-3/8" O.D. diameter				
FCC	FCC 47 CFR Part 15 Compliance				
Warranty	5 Year Standard / 10 Year Optional				

ORDERING GUIDE

EXAMPLE : JLS-G4SL-M2-480-740K-B-T3-MS-PC[COM]

MODEL	WATTAGE	VOLTAGE	CCT	FINISH	OPTICS	SENSOR	OPTIONS	DESIGNATION
JLS-G4SL	M1 = 30/45/60/75W	277 =120-277V 480 =277-480V	730K= 3000K 740K= 4000K 750K= 5000K	B=Black W=white SG=Silver Gray BLANK=Dark Bronze	T2 = Type II T3 = Type III T4 = Type IV	MS =motion sensor BLANK=Dark Bronze	BLANK= No Option PC3 = Photocell NEMA 3-pin PC7 = Photocell NEMA 7-pin PC= photocell	[TAA] [COM]
	M2 = 41/61/81/101W							
	M3 = 64/96/128/160W							
	M4 = 81/121/161/201W							
	M5=121/181/241/301W							

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Twist-Lock Photocell Receptacles

Standard 3-in + optional 7-in NEMA twist-lock photocell receptacles: secure, reliable connections that simplify installation and ensure compatibility.



Finish

It's available in black or optional dark bronze, silver gray

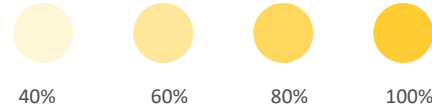


Plug and play sensor

3-Second Quick Installation, Plus Energy-Saving Performance

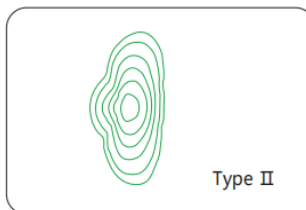
Wattage Selectable

Each model supports 4 positions wattage regulation : 100%, 80%, 60%, 40%



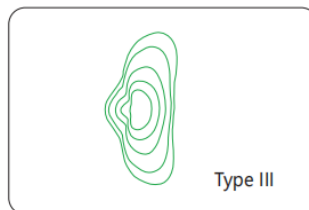
PHOTOMETRICS

Jaykal offers a complete set of optical systems to meet every site lighting requirement. These systems provide remarkable flexibility in precisely matching light distribution patterns to specific site requirements.



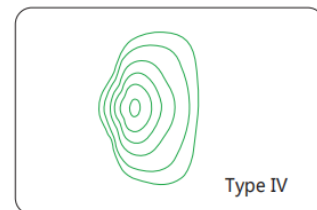
Type II

Type 2 optics creates an asymmetrical distribution working well in walkway and roadway applications where more light is required "street side" than "house side".



Type III

Type 3 optics produces an asymmetrical pattern that directs the majority of the light forward and equally on both sides of the luminaire. In a back-to-back configuration, it creates a rectangular pattern which can extend pole spacings.



Type IV

Type 4 is suitable for applications where light is primarily required forward with minimal backlight. Typical installations include perimeter poles.

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PERFORMANCE DATA

JLS 75W

Setting	System Watts	Distribution	CRI	3000K		4000K		5000K		EPA
				Lumens	LPW	Lumens	LPW	Lumens	LPW	
LV1	75W	Type II	70	11,100 lm	148 lm/W	11,400 lm	152 lm/W	11,400 lm	152 lm/W	0.4261
LV2	60W	Type III	70	9,200 lm	153 lm/W	9,500 lm	158 lm/W	9,500 lm	158 lm/W	0.4261
LV3	45W	Type IV	70	7,300 lm	162 lm/W	7,500 lm	167 lm/W	7,500 lm	167 lm/W	0.4261
LV4	30W		70	5,200 lm	173 lm/W	5,300 lm	177 lm/W	5,300 lm	177 lm/W	0.4261

JLS 101W

Setting	System Watts	Distribution	CRI	3000K		4000K		5000K		EPA
				Lumens	LPW	Lumens	LPW	Lumens	LPW	
LV1	101W	Type II	70	15,000 lm	149 lm/W	15,500 lm	154 lm/W	15,500 lm	154 lm/W	0.4261
LV2	81W	Type III	70	12,500 lm	154 lm/W	12,800 lm	158 lm/W	12,800 lm	158 lm/W	0.4261
LV3	61W	Type IV	70	9,900 lm	162 lm/W	10,200 lm	167 lm/W	10,200 lm	167 lm/W	0.4261
LV4	41W		70	7,100 lm	173 lm/W	7,400 lm	180 lm/W	7,400 lm	180 lm/W	0.4261

JLS 160W

Setting	System Watts	Distribution	CRI	3000K		4000K		5000K		EPA
				Lumens	LPW	Lumens	LPW	Lumens	LPW	
LV1	160W	Type II	70	23,600 lm	148 lm/W	24,500 lm	153 lm/W	24,500 lm	153 lm/W	0.5485
LV2	128W	Type III	70	19,600 lm	153 lm/W	20,200 lm	158 lm/W	20,200 lm	158 lm/W	0.5485
LV3	96W	Type IV	70	15,700 lm	164 lm/W	16,100 lm	168 lm/W	16,100 lm	168 lm/W	0.5485
LV4	64W		70	11,100 lm	173 lm/W	11,500 lm	180 lm/W	11,500 lm	180 lm/W	0.5485

JLS 201W

Setting	System Watts	Distribution	CRI	3000K		4000K		5000K		EPA
				Lumens	LPW	Lumens	LPW	Lumens	LPW	
LV1	201W	Type II	70	29,800 lm	148 lm/W	31,000 lm	154 lm/W	31,000 lm	154 lm/W	0.5485
LV2	161W	Type III	70	24,500 lm	152 lm/W	25,600 lm	159 lm/W	25,600 lm	159 lm/W	0.5485
LV3	121W	Type IV	70	19,700 lm	163 lm/W	20,500 lm	169 lm/W	20,500 lm	169 lm/W	0.5485
LV4	81W		70	14,000 lm	173 lm/W	14,700 lm	182 lm/W	14,700 lm	182 lm/W	0.5485

JLS 301W

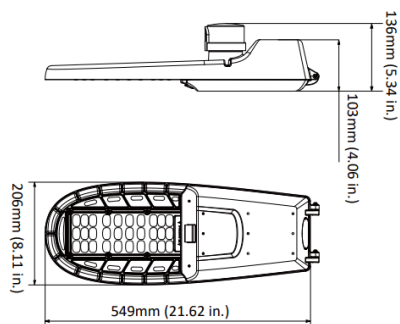
Setting	System Watts	Distribution	CRI	3000K		4000K		5000K		EPA
				Lumens	LPW	Lumens	LPW	Lumens	LPW	
LV1	301W	Type II	70	44,500 lm	148 lm/W	46,200 lm	153 lm/W	46,200 lm	153 lm/W	0.7845
LV2	241W	Type III	70	37,000 lm	154 lm/W	37,800 lm	157 lm/W	37,800 lm	157 lm/W	0.7845
LV3	181W	Type IV	70	29,700 lm	164 lm/W	30,400 lm	168 lm/W	30,400 lm	168 lm/W	0.7845
LV4	121W		70	21,000 lm	174 lm/W	21,800 lm	180 lm/W	21,800 lm	180 lm/W	0.7845

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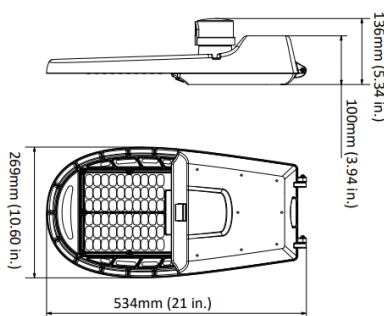


DIMENSIONS (Unit: mm/in.)

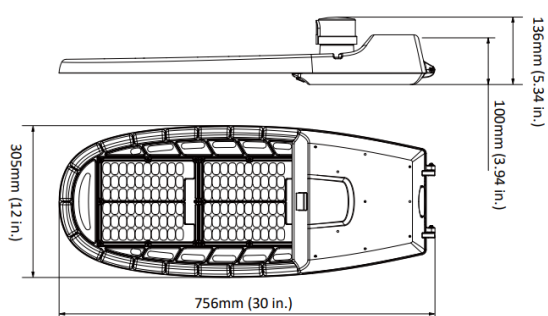
75W & 101W



160W & 201W



301W



ACCESSORIES (OPTIONAL)

	<p>Plug-and-Play PIR Sensor</p> <p>PIR sensor: MSANT12VPH01 Bluetooth PIR sensor: MSANT12VPHS01(SilvairSystem)/MSANT12VPHG01(GEBC System) Description: 100% sensitivity</p>
	<p>Plug-and-Play Microwave Sensor</p> <p>Microwave Sensor: MSANT12VMH01 Bluetooth microwave sensor: MSANT12VMHS01(Silvair System)/MSANT12VMHG01(GEBC System) Description: 100% sensitivity, Hold on time: 5min, Daylight Threshold: disable, Standby Dimming Level: 30%, Dimming time: 30minutes.</p>
	<p>JLS-LLE-WPPA102-AUX-W , 0-10v Dimming 3.5mm jack, LR Antenna Round Waterproof Controller Node .</p>
	<p>JLS-ESS-EFS07-AUX , PIR Sensor , Photocell and PIR sensing technology with AlgoH2 algorithm for accurate detection up to 50 ft.</p>
	<p>JLS-LLE-EFS106-AUX-W , High Bay Long Range Sensor , Bluetooth PIR sensor. Daylight harvesting+PIR sensing technology with AlgoH™ algorithm to maximize detection for mounting up to 40 feet without false triggers .</p>
	<p>JLS-LLE-WHBL1-2-B (Wet Listed) , Coverage @ 40ft height: Diameter 80ft .</p>
	<p>NEMA Photocell</p> <p>3 Pin NEMA Type: MS-PSUNVB1. 7 Pin NEMA Type: JL-241C.</p>

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ELECTRICAL DATA				
Number of Drivers	Driver Output Current (mA)	Nominal Power (W)	Input Voltage (V)	Input Current (Amps)
1	1050	75	120	0.63
			208	0.36
			240	0.31
			277	0.27
			347	0.22
			480	0.16
1	750	101	120	0.84
			208	0.49
			240	0.42
			277	0.36
			347	0.29
			480	0.21
1	680	160	120	1.33
			208	0.77
			240	0.67
			277	0.58
			347	0.46
			480	0.33
1	760	201	120	1.68
			208	0.97
			240	0.84
			277	0.73
			347	0.58
			480	0.42
1	1190	301	120	2.51
			208	1.45
			240	1.25
			277	1.09
			347	0.87
			480	0.63

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