



JAYKAL
efficiency. illuminated

STREET LIGHT G4SL Series

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

efficiency. illuminated.



JAYKAL
efficiency. illuminated

STREET LIGHT G4SL Series

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							

Specifications are typical values and may change without notification

efficiency. illuminated.



JAYKAL
efficiency. illuminated

STREET LIGHT G4SL Series

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, silvery gray

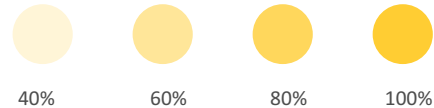


Plug and play sensor

3-Second Quick Installation, Plus Energy-Saving Performance

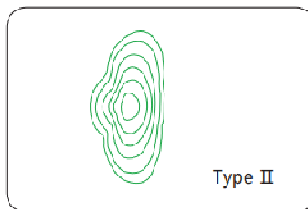
Wattage Selectable

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

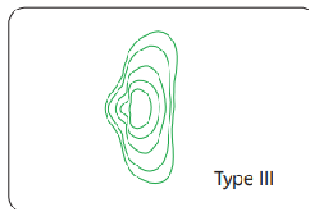


PHOTOMETRICS

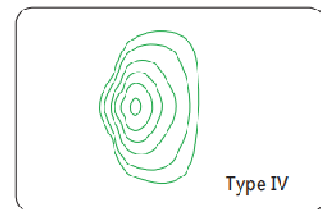
Jaykal offers a complete set of optical systems to meet every site lighting requirement. These systems provide remarkable flexibility in precisely matching light distribution patterns to specific site requirements.



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



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

Specifications are typical values and may change without notification

efficiency. illuminated.



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

Specifications are typical values and may change without notification

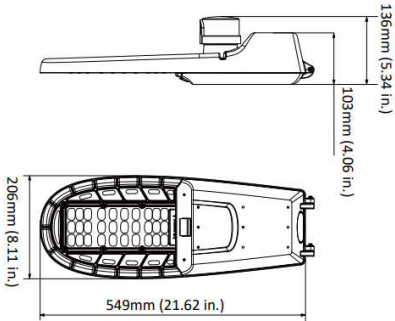


JAYKAL
efficiency. illuminated

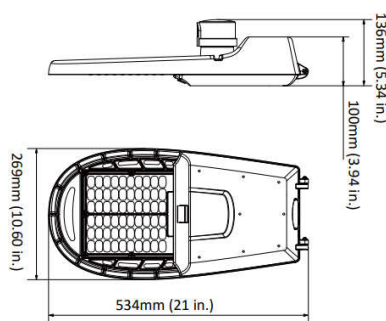
STREET LIGHT G4SL Series

DIMENSIONS (Unit: mm/in.)

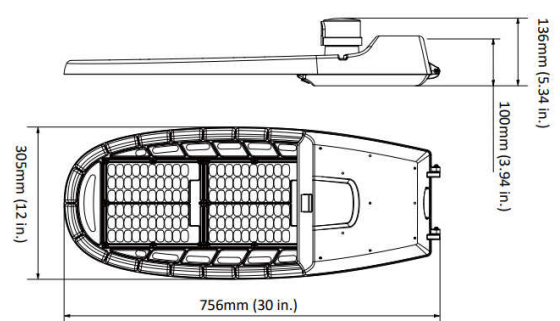
75W & 101W



160W & 201W



301W



ACCESSORIES (OPTIONAL)

	Plug-and-Play PIR Sensor PIR sensor: MSANT12VPH01 Bluetooth PIR sensor: MSANT12VPHS01(SilvairSystem)/MSANT12VPHG01(GEBC System) Description: 100% sensitivity
	Plug-and-Play Microwave Sensor 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.
	JLS-LLE-WPPA102-AUX-W , 0-10v Dimming 3.5mm jack, LR Antenna Round Waterproof Controller Node .
	JLS-ESS-EFS07-AUX , PIR Sensor , Photocell and PIR sensing technology with AlgoH2 algorithm for accurate detection up to 50 ft.
	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 .
	JLS-LLE-WHBL1-2-B (Wet Listed) , Coverage @ 40ft height: Diameter 80ft .
	NEMA Photocell 3 Pin NEMA Type: MS-PSUNVB1. 7 Pin NEMA Type: JL-241C.

Specifications are typical values and may change without notification

efficiency. illuminated.



JAYKAL
efficiency. illuminated

STREET LIGHT G4SL Series

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

Specifications are typical values and may change without notification

efficiency. illuminated.