G7SB AREA LIGHT

DESCRIPTION

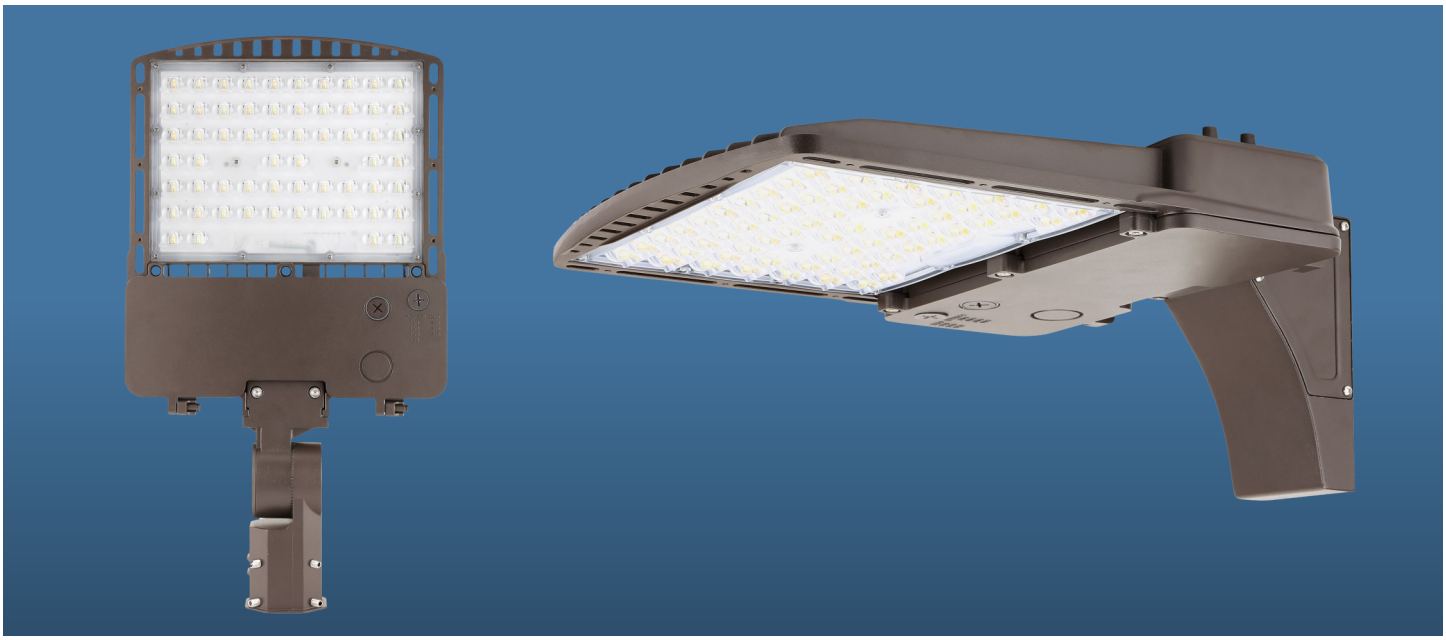
Jaykal's LED Area Light delivers superior photometric performance with uniform illumination, high efficacy, and an extended service life. Its low-profile design enhances aesthetics while maintaining optimal light distribution.

The luminaire features a one-piece die-cast aluminum housing with a UV-resistant powder coat finish, providing excellent thermal management and long-term corrosion resistance in demanding outdoor environments.

Engineered for ease of installation and reliable operation, this fixture is ideal for a wide range of commercial and outdoor applications, including auto dealerships, parking lots, walkways, roadways, campuses, facade lighting, grocery stores, and other public spaces.

FEATURES

- Wattage selectable from 40W to 400W
- Selectable CCT 3000K / 4000K / 5000K
- Smart Control Bluetooth / LLLC / 3rd party smart system compatible
- Sensors PIR / Microwave / Daylight / Occupancy
- Photocell NEMA 3-pin / 7-pin
- Mounting Arm / Slip fitter / Wall / Yoke / Adjustable Arm



UL LISTED FC TAA COMPLIANT IP65 ROHS COMPLIANT

Revised 7/8/2026

Specifications are typical values and may change without notification

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AREA LIGHT—Sensor Ready
G7SB Series

SPECIFICATIONS

Model Name	G7SB					
Type	M1	M2	M3	M4	M5	M6
Wattage Options	40/60/80/100W	60/90/120/140W	72/108/444/180W	100/150/200/250W	120/200/240/300W	300/325/360/400W
BUG Rating @Type 3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B4-U0-G4	B4-U0-G4	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 (120-277V) / 20KV (277-480V)					
Power Factor	>0.9					
THD	<15%					
Operating Temperature	-40°C to +45°C (-40°F to 113°F)					
Lifespan	100,000 Hours					
CRI	70					
Selectable Wattage	40% / 60% / 80% / 100%					
Selectable CCT	3000K / 4000K / 5000K Selectable					
Distribution Types	Type II / III / IV / V					
Lumen Range	6,600 lm – 64,000 lm					
Housing Material	One-piece die-cast aluminum					
Finish Options	Black / Dark Bronze / Silver Gray / White					
Certification	UL Wet Location Listed					
DLC	DLC Premium Qualified					
FCC	FCC 47 CFR Part 15 Compliance					
Warranty	5 Year Standard / 10 Year Optional					

ORDERING GUIDE EXAMPLE : JLS-G7SB-M2-277-7MCCT-SF-T3[COM]

MODEL	-	WATTAGE	-	VOLTAGE	-	CCT	-	MOUNT	-	OPTICS	DESIGNATION
JLS-G7SB		**M1** =40/60/80/100W **M2** =60/90/120/140W **M3** =72/108/144/180W **M4** =100/150/200/250W **M5** =120/200/240/300W **M6** =300/325/360/400W		**277** =120-277V **480** =277-480V		**7MCCT** = 3000K/4000K/5000K		**SPM** = Square Pole Mount **SF** = Slip Fitter Mount **WM** = Wall Mount **YM** = Yoke Mount **ASM** = Adjustable Square Mount		**T2** = Type II **T3** = Type III **T4** = Type IV **T5** = Type V	**[TAA]** **[COM]**

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CONTROLS

LumaLinx ENHANCED (Bluetooth® Mesh)	
High Bay Long Range Sensor	JLS-LLE-EFS106-AUX-W.A1
Coverage @ 40ft height: Diameter 80ft	JLS-LLE-WHBL1-2-B (Wet Listed)
0-10v Dimming 3.5mm jack, LR Antenna Round Waterproof Controller Node	JLS-LLE-WPPA102-AUX-W.B1



JLS-WPPA102-AUX-W.B1

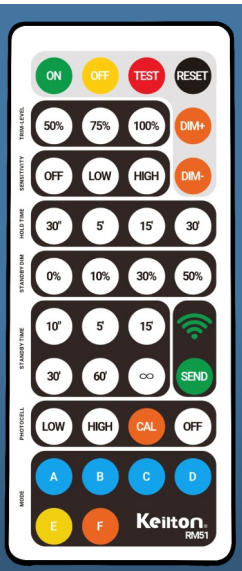


JLS-LLE-WHBL SERIES LENS



JLS-LLE-EFS106-AUX-W.A1

LumaLinx Essential (Basic Sensor)	
High Bay Long Range Sensor	JLS-ESS-EFS07-AUX-W.B1
Coverage @ 40ft height: Diameter 80ft	JLS-ESS-WHBL1-2-B (Wet Listed)
Remote Control Hand Unit Programmer	JLS-ESS-RM51
Photocell	JLS-NEMA-PC
7 Pin Photocell Receptable Pre-install	JLS-NEMA-7P-RECEPTACLE



JLS-ESS-RM51



JLS-ESS-WHBL1-2-B LENS



JLS-ESS-EFS07-AUX-W.B1



JLS-NEMA-PC

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G7SB Series

PERFORMANCE DATA (100W)

SETTING	SYSTEM WATTS	DIST.TYPE	3000K		4000K		5000K	
			LUMENS	LPW	LUMENS	LPW	LUMENS	LPW
100%	100W	Type II / III / IV	14500 lm	145 lm/W	15800 lm	158 lm/W	15000 lm	150 lm/W
		Type V	15100 lm	151 lm/W	16000 lm	160 lm/W	15600 lm	156 lm/W
80%	80W	Type II / III / IV	12000 lm	150 lm/W	13000 lm	163 lm/W	12500 lm	156 lm/W
		Type V	12500 lm	156 lm/W	13300 lm	166 lm/W	12800 lm	160 lm/W
60%	60W	Type II / III / IV	9300 lm	155 lm/W	10000 lm	167 lm/W	9600 lm	160 lm/W
		Type V	9600 lm	160 lm/W	10200 lm	170 lm/W	9850 lm	164 lm/W
40%	40W	Type II / III / IV	6400 lm	160 lm/W	6800 lm	170 lm/W	6560 lm	164 lm/W
		Type V	6560 lm	164 lm/W	7000 lm	175 lm/W	6700 lm	168 lm/W

PERFORMANCE DATA (140W)

SETTING	SYSTEM WATTS	DIST.TYPE	3000K		4000K		5000K	
			LUMENS	LPW	LUMENS	LPW	LUMENS	LPW
100%	140W	Type II / III / IV	20000 lm	147 lm/W	23000 lm	164 lm/W	21000 lm	150 lm/W
		Type V	21000 lm	150 lm/W	23500 lm	168 lm/W	21500 lm	154 lm/W
80%	120W	Type II / III / IV	18000 lm	150 lm/W	20000 lm	167 lm/W	18500 lm	154 lm/W
		Type V	18500 lm	154 lm/W	20500 lm	171 lm/W	19000 lm	158 lm/W
60%	90W	Type II / III / IV	13800 lm	153 lm/W	15200 lm	169 lm/W	14200 lm	158 lm/W
		Type V	14000 lm	156 lm/W	15600 lm	172 lm/W	14500 lm	161 lm/W
40%	60W	Type II / III / IV	9400 lm	157 lm/W	10300 lm	172 lm/W	9700 lm	162 lm/W
		Type V	9600 lm	160 lm/W	10500 lm	175 lm/W	10000 lm	167 lm/W

PERFORMANCE DATA (180W)

SETTING	SYSTEM WATTS	DIST.TYPE	3000K		4000K		5000K	
			LUMENS	LPW	LUMENS	LPW	LUMENS	LPW
100%	180W	Type II / III / IV	25600 lm	141 lm/W	28200 lm	158 lm/W	26300 lm	146 lm/W
		Type V	26300 lm	145 lm/W	29000 lm	163 lm/W	27000 lm	149 lm/W
80%	144W	Type II / III / IV	21100 lm	145 lm/W	23000 lm	163 lm/W	21500 lm	149 lm/W
		Type V	21700 lm	149 lm/W	23600 lm	168 lm/W	22100 lm	153 lm/W
60%	108W	Type II / III / IV	16000 lm	146 lm/W	17500 lm	166 lm/W	16400 lm	151 lm/W
		Type V	16400 lm	150 lm/W	18000 lm	171 lm/W	16850 lm	157 lm/W
40%	72W	Type II / III / IV	11000 lm	151 lm/W	12000 lm	171 lm/W	11300 lm	156 lm/W
		Type V	11300 lm	155 lm/W	12340 lm	176 lm/W	11600 lm	161 lm/W

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PERFORMANCE DATA (250W)

SETTING	SYSTEM WATTS	DIST.TYPE	3000K		4000K		5000K	
			LUMENS	LPW	LUMENS	LPW	LUMENS	LPW
100%	250W	Type II / III / IV	35200 lm	141 lm/W	39100 lm	163 lm/W	36500 lm	146 lm/W
		Type V	36250 lm	145 lm/W	40300 lm	168 lm/W	37600 lm	150 lm/W
80%	200W	Type II / III / IV	28900 lm	144 lm/W	32200 lm	168 lm/W	30000 lm	150 lm/W
		Type V	29800 lm	149 lm/W	33200 lm	173 lm/W	31000 lm	155 lm/W
60%	150W	Type II / III / IV	22400 lm	149 lm/W	24700 lm	172 lm/W	23100 lm	154 lm/W
		Type V	23050 lm	154 lm/W	25500 lm	177 lm/W	24000 lm	158 lm/W
40%	100W	Type II / III / IV	15200 lm	152 lm/W	16800 lm	175 lm/W	15700 lm	157 lm/W
		Type V	15700 lm	157 lm/W	17300 lm	180 lm/W	16100 lm	161 lm/W

PERFORMANCE DATA (300W)

SETTING	SYSTEM WATTS	DIST.TYPE	3000K		4000K		5000K	
			LUMENS	LPW	LUMENS	LPW	LUMENS	LPW
100%	300W	Type II / III / IV	41000 lm	137 lm/W	45000 lm	150 lm/W	42000 lm	140 lm/W
		Type V	42500 lm	142 lm/W	46000 lm	153 lm/W	43500 lm	145 lm/W
80%	240W	Type II / III / IV	33600 lm	140 lm/W	37000 lm	154 lm/W	34500 lm	144 lm/W
		Type V	34500 lm	144 lm/W	38000 lm	158 lm/W	35500 lm	148 lm/W
60%	180W	Type II / III / IV	26000 lm	144 lm/W	28600 lm	159 lm/W	26600 lm	148 lm/W
		Type V	26000 lm	158 lm/W	29700 lm	165 lm/W	27500 lm	153 lm/W
40%	120W	Type II / III / IV	18000 lm	150 lm/W	20000 lm	167 lm/W	18500 lm	154 lm/W
		Type V	18500 lm	154 lm/W	20800 lm	173 lm/W	19000 lm	158 lm/W

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PERFORMANCE DATA (400W)

Setting	System Watts	Dist. Type	4000K		5000K	
			Lumens	LPW	Lumens	LPW
LV1	400W	Type II / III	62500 lm	156 lm/W	61500 lm	154 lm/W
		Type IV	62000 lm	155 lm/W	61000 lm	153 lm/W
		Type V	64000 lm	160 lm/W	63000 lm	158 lm/W
LV2	360W	Type II / III	57500 lm	160 lm/W	56500 lm	157 lm/W
		Type IV	57000 lm	158 lm/W	56000 lm	156 lm/W
		Type V	59000 lm	164 lm/W	58000 lm	161 lm/W
LV3	325W	Type II / III	52500 lm	160 lm/W	51500 lm	161 lm/W
		Type IV	52000 lm	163 lm/W	51000 lm	159 lm/W
		Type V	53500 lm	167 lm/W	52500 lm	164 lm/W
LV4	300W	Type II / III	48500 lm	167 lm/W	47500 lm	164 lm/W
		Type IV	48000 lm	166 lm/W	47000 lm	162 lm/W
		Type V	49500 lm	171 lm/W	48500 lm	167 lm/W

BUG @5000K

System Watts	Voltage	Dist. Type	B	U	G
100W	120-277V / 347-480V	Type II	B3	U0	G3
100W	120-277V / 347-480V	Type III	B3	U0	G3
100W	120-277V / 347-480V	Type IV	B3	U0	G2
100W	120-277V / 347-480V	Type V	B4	U0	G2

ELECTRICAL DATA

Number of Drivers	Driver Output Current	Nominal Power	Input Voltage	Input Current
1	850mA	100W	120V	0.83A
1	1200mA	140W	120V	1.17A
1	960mA	180W	120V	1.50A
1	1200mA	250W	120V	2.08A
1	1500mA	300W	120V	2.50A
1	1460mA	400W	120V	3.33A

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G7SB Series

MOUNTING

- Standard versatile mounting arm accommodates multiple drilling patterns as well as square and round poles.
- Optional for cast aluminum slipfitter mounting adapter（Compatible with more mounting adaptors such as Tenon, suits for various application）.



Arm Mount

(4"and 5" Square and Round poles)
Standard versatile mounting arm is simple to install and can be used with existing poles for retrofit installations.



Slipfitter Mount

An optional cast aluminum mast arm adapter secures fixture head to nominal 2-3/8"O.D. horizontal steel tenon arm.



Wall Mount

Wall Mount is easy to install for direct wall mounting with 1/2' conduit wiring or standard J-box mounting.



Yoke Mount

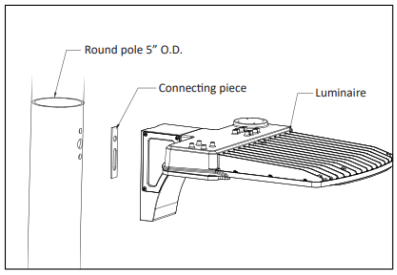
Die-cast aluminum trunnion is easily adapted to many surfaces and allows easy fixture aiming angles.

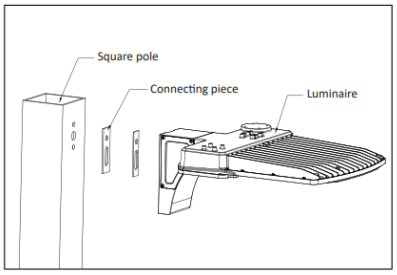


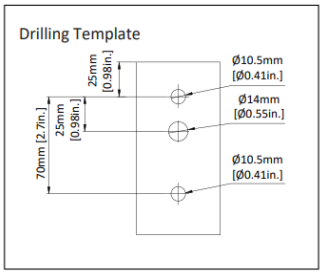
Adjustable Arm Mount

Standard versatile mounting arm is simple to install and can be used with existing poles for retrofit installations.

MOUNTING DIMENSIONS

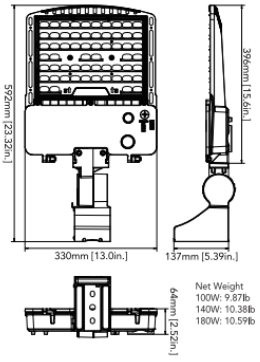




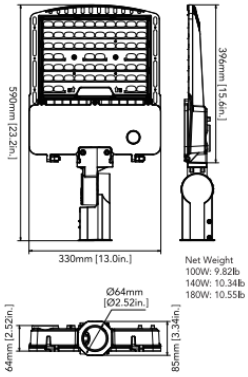


DIMENSIONS (Unit : mm/Inch)

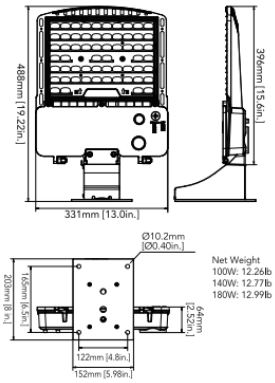
100W/140W/180W Adjustable Square Mount



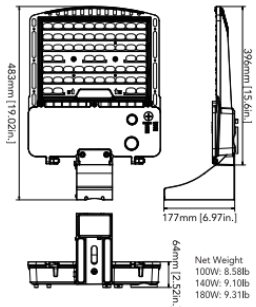
100W/140W/180W Slipfitter Mount



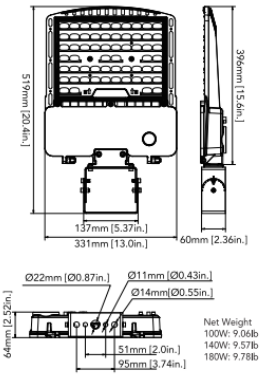
100W/140W/180W Wall Mount



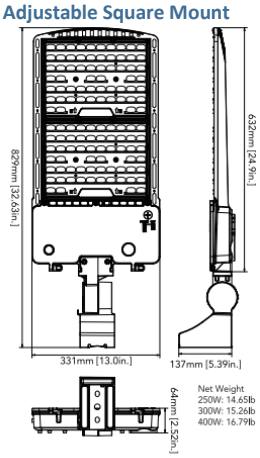
100W/140W/180W Pole Mount



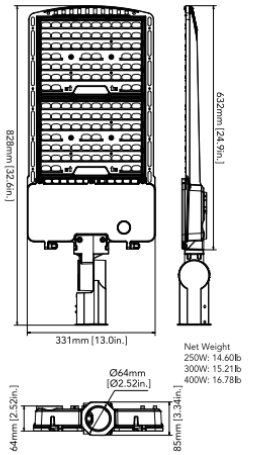
100W/140W/180W Yoke Mount



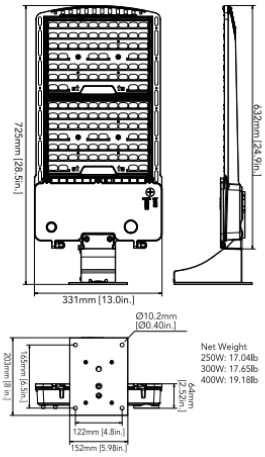
250W/300W/400W Adjustable Square Mount



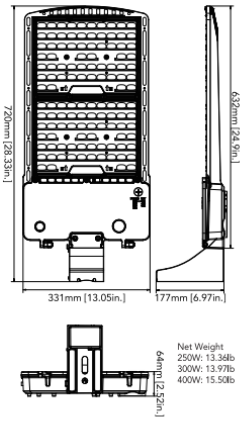
250W/300W/400W Slipfitter Mount



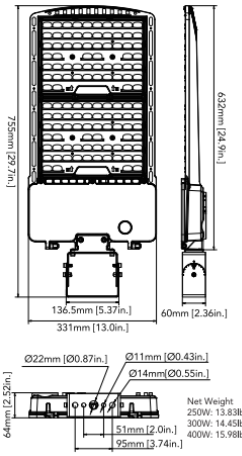
250W/300W/400W Wall Mount



250W/300W/400W Pole Mount



250W/300W/400W Yoke Mount

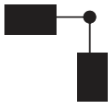
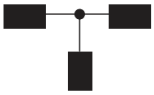
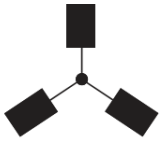


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AREA LIGHT—Sensor Ready
G7SB Series

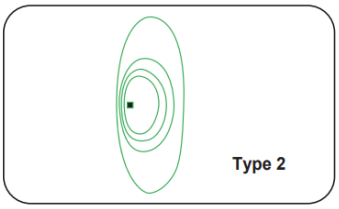
MOUNTING DIMENSIONS

Item	 1	 2 @90°	 2 @120°	 2 @180°	 3 @90°	 3 @120°	 4 @90°
100W/140W/180W	0.3632	0.6849	0.8861	0.7264	1.0481	1.2078	1.0481
250W/330W/400W	0.4758	0.8091	1.059	0.9516	1.2849	1.3923	1.2849

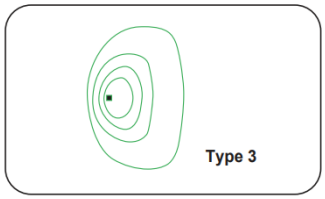
PHOTOMETRICS

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.

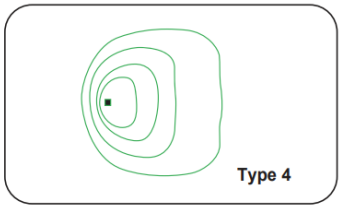
Type 2 optics are ideal for applications where there is a need to space the luminaires farther apart along a road or pathway. The light distribution pattern is optimized for elongated areas, allowing for greater pole spacing without sacrificing lighting quality.



Type 3 optics produce 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.



Type 5 optics produce a symmetrical square distribution pattern that distributes light equally on all sides of the luminaire. Type 5 luminaires is universal for most area lighting applications.

