



ADVANCED TUNABLE LED 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

- High luminous efficiency and long working life.
- High efficiency LED Driver, the wide range input voltage AC120-277V/ AC277-480V.
- Die-cast aluminum cooling design, high quality and better cooling for LED $T_j < 85^\circ\text{C}$.
- Excellent optics design, greatly improve the light utilization and evenness.
- Motion sensor control available (Optional)



Revised 4/15/2026

Specifications are typical values and may change without notification



SPECIFICATIONS

MODEL	JLS-G6SB-M1	JLS-G6SB-M2	JLS-G6SB-M3	JLS-G6SB-M4
WATTAGE	150W/100W/70W	200W/150W/100W	300W/240W/200W	500W/400W/300W
EFFICACY	150lm/W			
LUMEN	22,500/15,000/10,500	30,000/22,500/15,000	45,000/36,000/30,000	75,000/60,000/45,000
CCT	3000K/4000K/5000K			
CRI	Ra>70			
BUG RATINGS	B4-U3-G4	B4-U3-G4	B4-U4-G4	B5-U4-G5
INPUT VOLTAGE	AC120-277V / AC120-347V / AC277-480V			
DISTRIBUTION	Type II, Type III, Type IV, Type V			
POWER FACTOR	>0.95			
DRIVER EFFICACY	90%			
THD	<20%			
SURGE PROTECTION	6KV Standard / 10KV or 20KV Optional			
DRIVER PROTECTION	Integral short circuit, open circuit, and overload protection			
DIMMING	0-10Vdc			
0-10V SINK CURRENT	<3mA			
LIFE SPAN (L70)	>50,000hrs.			
WORKING TEMPERATURE	-40°C ~ 113°C			
STORAGE TEMPERATURE	-40°C ~ 176°C			
OUTDOOR RATING	Wet Location/IP65			
CABLE	5 core, 18AWG 1m			
FCC	FCC 47 CFR Part 15 Compliance			
WARRANTY	5 Year Standard / 10 Year Optional			

ORDERING GUIDE

EXAMPLE : JLS-G6SB-M2-277-7MCCT-SF-T3

MODEL	-	WATTAGE	-	VOLTAGE	-	CCT	-	MOUNTING	-	OPTICS	DESIGNATION
JLS-G6SB		M1 =150/100/70W M2 =200/150/100W M3 =300/240/200W M4 =500/400/300W		277 =120-277V 480 =277-480V		7MCCT = 3000K/4000K/5000K		SF = Slip Fitter bracket AM = Adjustable Arm Mount TR = Trunnion Bracket YK = Yoke Bracket		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



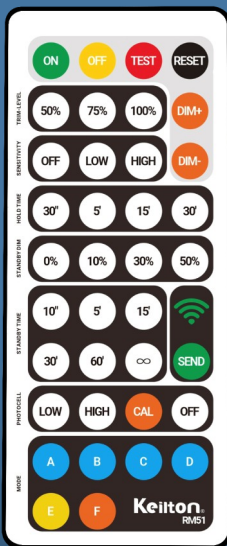
JLS-LLE-HBL SERIES LENS



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



JLS-WPPA102-AUX-W.B1



JLS-ESS-WHBL1-2-B LENS



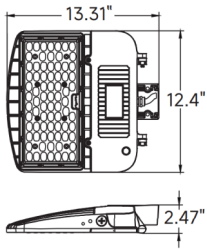
JLS-ESS-EFS07-AUX-W.B1

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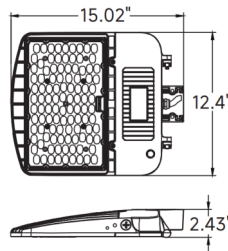


DIMENSIONS

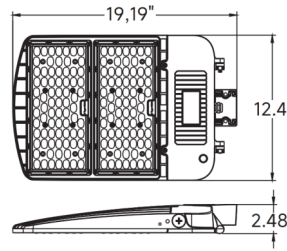
150W/100W/70W



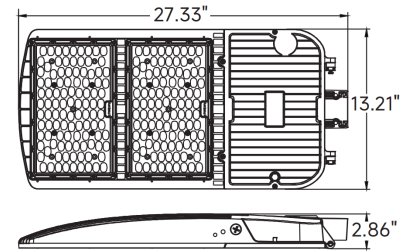
200W/150W/100W



300W/240W/200W



500W/400W/300W



PACKAGING/WEIGHT

WATTAGES	PACKING	SIZE	NET WEIGHT	GROSS WEIGHT	PCS/CTN
150/100/70W	Outer Packing Size	14.17L*13.19L*4.53H in. 360L*335W*115H mm	7.14Lbs(3.24Kg)	8.80Lbs(3.99Kg)	1pcs/ctn.
200/150/100W	Outer Packing Size	15.79L*13.19W*4.53H in. 401L*335W*115H mm	7.94Lbs(3.60Kg)	9.59Lbs(4.35Kg)	1pcs/ctn.
300/240/200W	Outer Packing Size	20.08L*13.19W*4.53H in. 510L*335W*115H mm	10.16Lbs(4.61Kg)	11.82Lbs(5.36Kg)	1pcs/ctn.
500/400/300W	Outer Packing Size	28.27L*14.13W*4.53H in. 718L*359W*115H mm	18.72Lbs(8.49Kg)	20.59Lbs(9.34Kg)	1pcs/ctn.

ACCESSORIES MOUNTING BRACKETS (SOLD SEPARATELY)



TYPE A (Slip-fitter)



TYPE B
(Adjustable arm mount)



TYPE D (Trunnion)



TYPE E (Yoke)

CURRENT (VOLTAGE and AMPS)

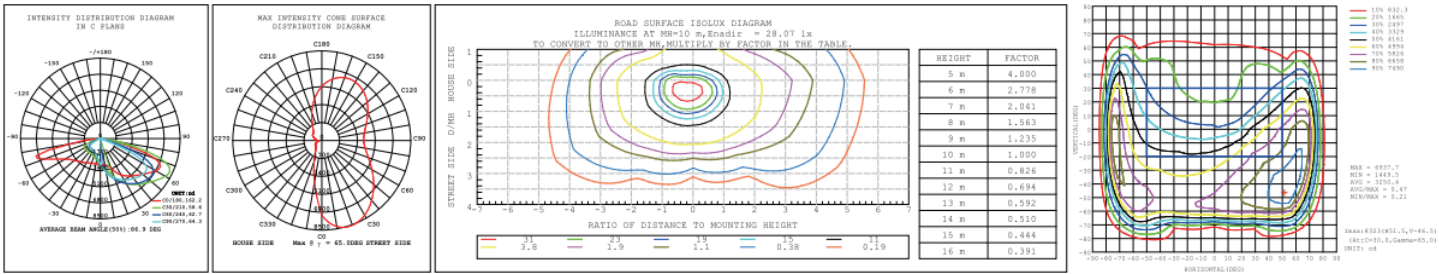
VOLTAGE	120V	208V	240V	277V	347V	480V
150W	1.38Amp	0.79Amp	0.69Amp	0.60Amp	0.48Amp	0.34Amp
200W	1.83Amp	1.06Amp	0.92Amp	0.79Amp	0.63Amp	0.46Amp
300W	2.75Amp	1.59Amp	1.38Amp	1.19Amp	0.95Amp	0.69Amp
500W	4.58Amp	2.64Amp	2.29Amp	1.99Amp	1.59Amp	1.15Amp

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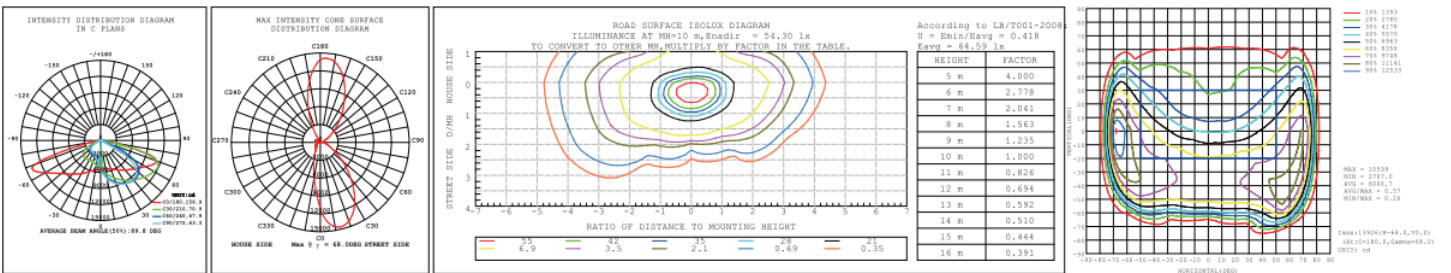


DISTRIBUTIONS

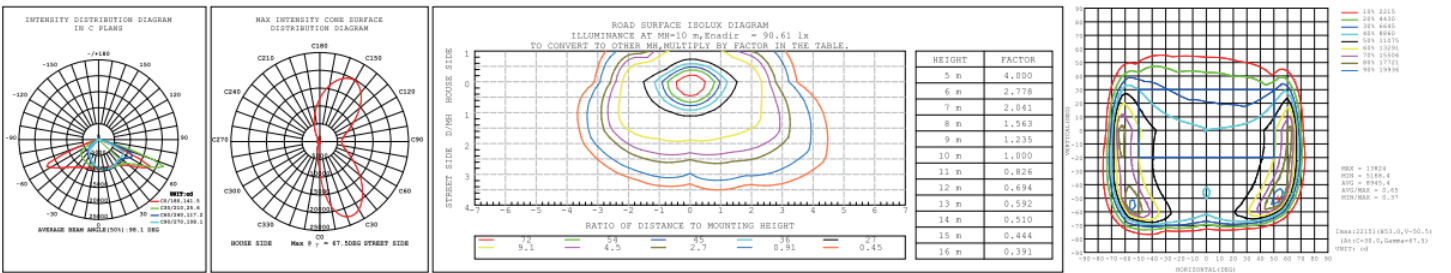
100W



200W



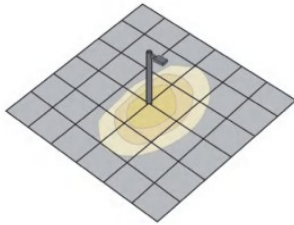
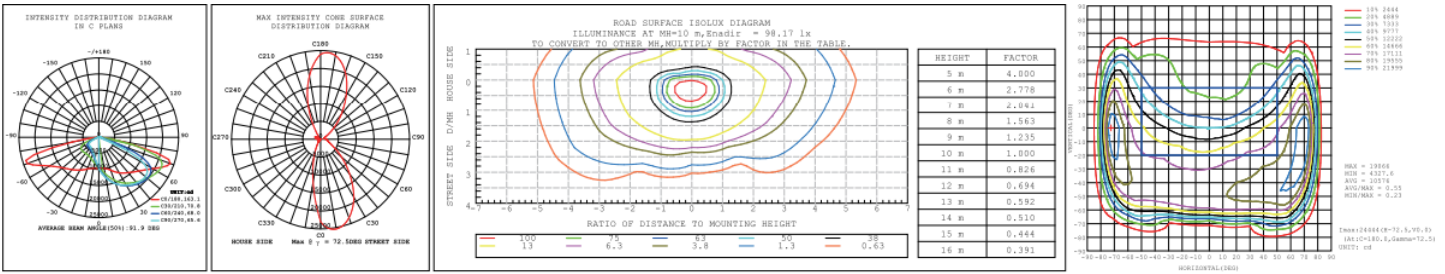
300W



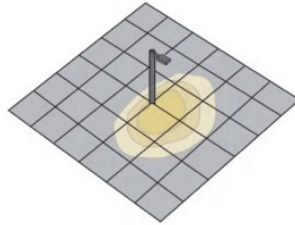
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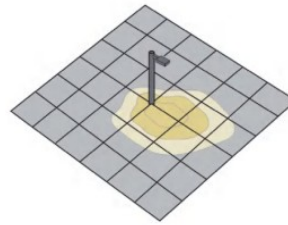
LIGHT DISTRIBUTION



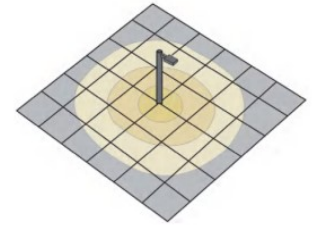
Type II optics produce a pattern that evenly shines light on both sides of the lamp. In a back-to-back configuration, it creates a rectangular pattern.



Type III 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.

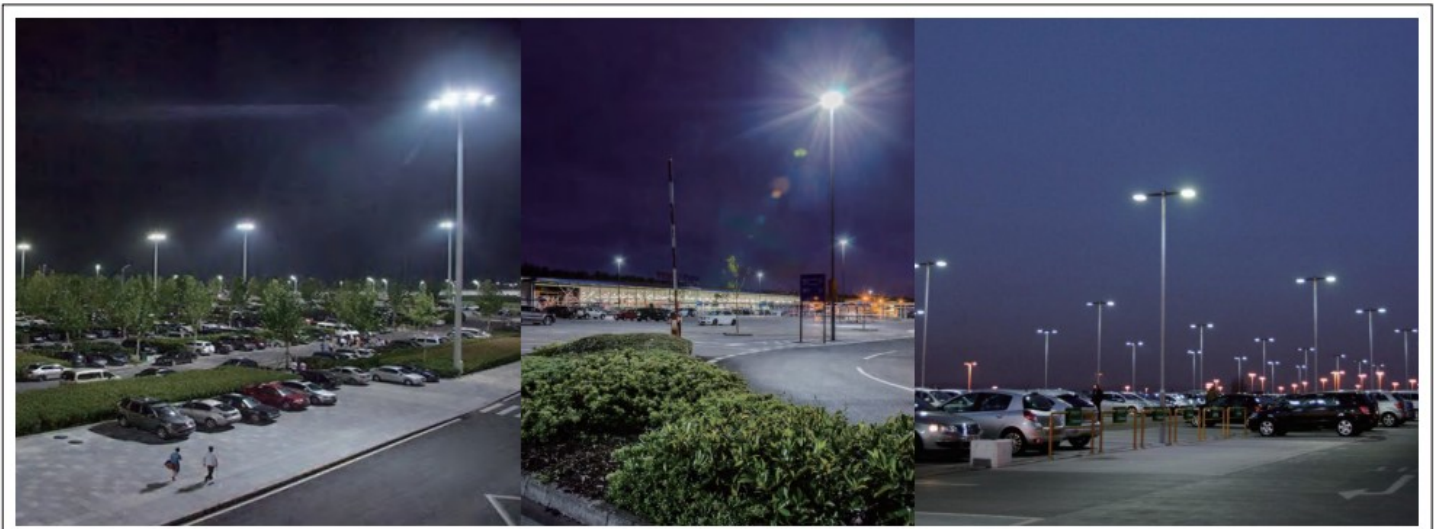


Type IV is suitable for applications where light is primarily required forward with minimal backlight. Typical installations include perimeter poles.



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

Applications



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