JSAL-G2 LED Slim Area Light

J JARVIS LIGHTING ™

Product Highlights

- Multiple optics available
- 0-10V dim-to-off + 12v auxiliary power for accessories
- Adjustable color temperature and wattage option available

- Compatible with Jarvis Link networked lighting control systems
- Z10 Ready
- 10 Year Warranty

Jarvis JSAL-G2Series	Competitors' Products
Z10 accessory ready	Limited sensor options available and difficult to install
Quick-mount arm attaches separately to pole allowing for fast and easy 1-person installation	Mounting arm is attached to fixture making installation difficult
Unique design air vent prevents gasket failure or water damage	High frequency of gasket failure and water damage due to air pressure issues

Ordering Guide

Example: JSAL-G2-28L-50K-UV-T4-BRZ-Z10R-QA

Product Family	Lumen Package		CCT	Voltage	Optics	Housing Color	Dimming/ Control	Mounting Arm Accessories	Factory Installed Accessories
JSAL-G2 Slim LED Area Light	**14L** - 14,528 Lumens		**40K** - 4000K	**UV** - 120-277V	**T3 -** Type III	**BRZ -** Bronze	**Z10R -** Z10 Ready	**SFM** - Slipfiter	**+ A306 + A307** Twist Lock Photocell
	21L - 21,919 Lumens							**QA** - Quick Mounting Direct Arm for Square/Round Poles	
	28L - 29,931 Lumens								
	33L - 35,317 Lumens		**50K** - 5000K		**T3LT -** Type III Left Throw				
	42L - 44,576 Lumens				**T3RT -** Type III Right Throw	**WHT -** White		**TQA -** Adjustable Quick Mounting Direct Arm for Square/Round Poles	
	14ML28 - 14,000/ 21,000/27,908 Lumens Adjustable Lumens		**30K/40K/50K -** 3000K/4000K/ 5000K Adjustable CCT		**T4 -** Type IV		**DM** - 0-10V Dimming	**BR** - Trunnion	
	28ML42 - 28,000/ 33,000/41,783 Lumens Adjustable Lumens				**T5 -** Type V				

Variants in blue are typically quick ship items. Other variants are typically special order with longer lead time.

Additional Field Installed Accessories

Catalog #	Description
JL-Z10-SPM-EXT-BRZ-V1	Jarvis Link Z10 Bluetooth PIR Motion Sensor + Photocell (Brown Color) - 40ft Max Mounting Height*
JL-Z10-SPM-EXT-WHT-V1	Jarvis Link Z10 Bluetooth PIR Motion Sensor + Photocell (White Color) - 40ft Max Mounting Height*
JL-Z10-WCM-BRZ-V1	Jarvis Link Z10 Bluetooth Wireless Control Module (Brown Color)*
JL-Z10-WCM-WHT-V1	Jarvis Link Z10 Bluetooth Wireless Control Module (White Color)*
JL-Z10-WCM-CLE-V1-LR	Jarvis Link Z10 Bluetooth Wireless Control Module w/ Long Range Antenna (Clear Color)*
S-Z10-SPM-EXT-WHT-V1	Remote Programmable PIR Z10 Motion Sensor + Photocell (White Color) - 40ft Max Mounting Height
S-Z10-SPM-EXT-WHT-V2	Remote Programmable Microwave Z10 Motion Sensor + Photocell (White Color) - 40ft Max Mounting Height
JSAL-G2-A-GS1	Glare Shield Kit for 14L + 21L
JSAL-G2-A-GS2	Glare Shield Kit for 28L
JSAL-G2-A-GS3	Glare Shield Kit for 33L + 42L

* Jarvis Link requires prior training with Jarvis representative

Electrical

Input Voltage: 120-277V 50/60Hz

Power Factor: >0.9 at full load.

Total Harmonic Distortion: <20% full load
Includes over voltage protection, over current protection, and short circuit protection

Operating Temperature Range: -40ºC to 45º C Ambient (-40ºF to 113ºF)

Controls and Dimming

0-10V dimming leads are default on all 120-277V input models and accessible outside the fixture body. The power supply is capable of providing 12VDC auxiliary output power for a variety of accessories.

JSAL-G2 Z10R models feature a dim-to-off driver and a Z10 receptacle. They are compatible with the Jarvis Lighting networked lighting control system. This system allows the lights to communicate with each other via Bluetooth® signal. Systems are typically capable of grouping, controlling and dimming lights through a number of methods including motion sensors, photo sensors, schedules, manual Bluetooth switches and more.

The JSAL-G2 series is compatible with Jarvis Lighting's PhotoMotion™ sensors or network lighting control system. PhotoMotion™ sensors provide multi-level control based on both motion and/or ambient natural lighting levels and can be custom programmed via remote control. The JSAL-G2 Series is compatible with many other photosensors and motion sensor systems. Contact a Jarvis representative for more information.

Z10 Receptacle with cover cap removed

DLC Product ID and Specifications

Jarvis Model #	DLC Product ID	Input	Lumens	Wattage	CCT	CRI	PF
JSAL-G2-14L-40K-UV-T3-[BRZ,WHT]-Z10R-[SFM,QA,TQA,BR]	S-VNF0AJ	120-277V 50/60Hz	14,412 lm	100W	4000K	≥ 80	≥ 0.9
JSAL-G2-14L-50K-UV-T3-[BRZ,WHT]-Z10R-[SFM,QA,TQA,BR]	S-FCKWTJ	120-277V 50/60Hz	14,528 lm	100W	5000K	≥ 80	≥ 0.9
JSAL-G2-21L-40K-UV-T3-[BRZ,WHT]-Z10R-[SFM,QA,TQA,BR]	S-L52B1N	120-277V 50/60Hz	22,093 lm	150W	4000K	≥ 80	≥ 0.9
JSAL-G2-21L-50K-UV-T3-[BRZ,WHT]-Z10R-[SFM,QA,TQA,BR]	S-P2ON6J	120-277V 50/60Hz	21,919 lm	150W	5000K	≥ 80	≥ 0.9
JSAL-G2-28L-40K-UV-T3-[BRZ,WHT]-Z10R-[SFM,QA,TQA,BR]	S-NEUJ0M	120-277V 50/60Hz	30,168 lm	200W	4000K	≥ 80	≥ 0.9
JSAL-G2-28L-50K-UV-T3-[BRZ,WHT]-Z10R-[SFM,QA,TQA,BR]	S-2M961J	120-277V 50/60Hz	29,931 lm	200W	5000K	≥ 80	≥ 0.9
JSAL-G2-33L-40K-UV-T3-[BRZ,WHT]-Z10R-[SFM,QA,TQA,BR]	S-T6KXM3	120-277V 50/60Hz	35,597 lm	240W	4000K	≥ 80	≥ 0.9
JSAL-G2-33L-50K-UV-T3-[BRZ,WHT]-Z10R-[SFM,QA,TQA,BR]	S-1CDW0T	120-277V 50/60Hz	35,317 lm	240W	5000K	≥ 80	≥ 0.9
JSAL-G2-42L-40K-UV-T3-[BRZ,WHT]-Z10R-[SFM,QA,TQA,BR]	S-8195NX	120-277V 50/60Hz	44,288 lm	300W	4000K	≥ 80	≥ 0.9
JSAL-G3-42L-50K-UV-T3-[BRZ,WHT]-Z10R-[SFM,QA,TQA,BR]	S-82JY3S	120-277V 50/60Hz	44,576 lm	300W	5000K	≥ 80	≥ 0.9
JSAL-G2-14ML28-30K/40K/50K-UV-T3-[BRZ,WHT]-Z10R-[SFM,A,TQA,BR]	S-8LC392	120-277V 50/60Hz	14,000 / 21,000 / **27,908** lm	100W / 150W / **200W**	3000K / **4000K** / 5000K	≥ 80	≥ 0.9
JSAL-G2-28ML42-30K/40K/50K-UV-T3-[BRZ,WHT]-Z10R-[SFM,QA,TQA,BR]	S-G8VUKY	120-277V 50/60Hz	28,000 / 33,600 / **41,783** lm	200W / 200W / **300W**	3000K / **4000K** / 5000K	≥ 80	≥ 0.9

Factory default setting listed in bold

Construction and Materials

Housing is constructed from die-cast aluminum and features either an adjustable slipfitter mount, direct quick mount, or adjustable trunnion mount.

Die-cast housing features a powdercoat finish. Powdercoat finish is applied directly to aluminum housing and will not crack or peel. Default color is bronze. White finishes are readily available as a standard color. Custom colors are available. Contact factory for additional color information.

LEDs are reflow soldered to a metal core circuit board, providing greater thermal transfer than standard circuit board materials. Thermally-conductive material is positioned between LEDs and housing to provide increased thermal transfer.

High quality waterproof valve keeps internal and external pressure balanced to prevent moisture accumulation in optical chamber.

Power supply features 12v auxiliary output power and 0-10v dim-to-off.

Z10 receptacle is pre installed into the power supply compartment door.

Lens construction is UV-resistant PC material. Factory default is Type III optics.

Luminaire's construction contains zero mercury.

Fasteners are stainless-steel and will not rust or create rust-streaks.

Regulatory and Voluntary Qualifications

UL listed to UL 1598 and UL 8750 for both US and Canada

State of California Title 24 Compliant when installed in accordance with local requirements

DesignLights Consortium® (DLC) Premium qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

Rated for Wet and Dry Locations
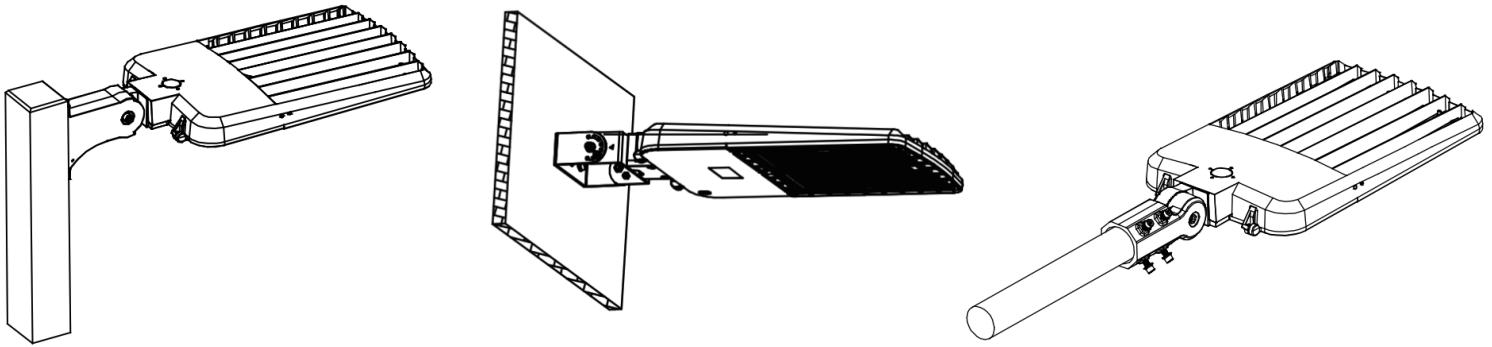
Warranty and Lifetime

JSAL-G2 Series carries a 10-year limited warranty.

Contact Jarvis representative for details.

Projected LED lifetime exceeds 50,000 hours under most operating conditions. Lifetime projections are calculated using data including LM-79, LM-80 and TM-21 calculations. Contact Jarvis representative for details.

1.5G vibration rated

Installation

Luminaire can be ordered with 1 of 4 different mounting options - please indicate at time of order by selecting "QA" quick arm, "TQA" adjustable quick arm, "SFM" slipfitter mount, or "BR" trunnion mount. Luminaire ships with at least 2ft of wire protruding from fixture to allow for ease of wiring.

The "SFM" slipfitter mount allows luminaire to be installed onto a round pole-top, tenon or pipe-stub up to 2.4" in diameter. Slipfitter is adjustable and luminaire may be positioned with LEDs parallel to ground or tilted back up to 90 degrees.

The "QA" quick arm allows luminaire to be installed onto either a square or round pole-side. Included round pole mounting adapter required for round pole installations. The direct mount is non-adjustable and will mount with LEDs parallel to the ground.

The "TQA" adjustable quick arm allows luminaire to be installed onto either a square or round pole-side. Included round pole mounting adapter required for round pole installations. The "TQA" mount is adjustable and the luminaire may be positioned with LEDs parallel to the ground or tilted back up to 90 degrees.

The "BR" trunnion arm allows luminaire to be installed onto either a wall or 4"x3" flat surface. Trunnion is adjustable and the luminaire may be positioned with LEDs parallel to ground or tilted back up to 90 degrees.

When installing Z10 compatible accessories, the receptacle cover cap must first be removed. Z10 compatible accessories must be inserted and rotated until locked into place on the receptacle.

Contact a Jarvis Representative for full installation instructions, videos or additional information.

Photometrics

Photometric information, including LM-79 reports and .IES files are available for most models at www.jarvislighting.com. Site photometrics and lighting layouts are available. Contact a Jarvis representative.

JSAL-G2 Series EPA:

Mounting Type	Tilt	EPA(ft²)					
		Single	2@90	2@180	3@90	3@120	4@90
100W / 150W	0°	0.34	0.63	0.64	0.93	0.87	1.24
	10°	0.29	0.53	0.54	0.78	0.72	1.04
	20°	0.28	0.51	0.52	0.75	0.69	1.00
	30°	0.32	0.59	0.60	0.87	0.81	1.16
	40°	0.38	0.71	0.72	1.05	0.99	1.40
	45°	0.30	0.42	0.50	0.60	0.58	0.83
	50°	0.56	1.07	1.08	1.59	1.53	2.12
	60°	0.84	1.63	1.64	2.43	2.37	3.24
	70°	1.06	2.07	2.08	3.09	3.03	4.12
	80°	1.24	2.43	2.44	3.63	3.57	4.84
	90°	1.39	2.73	2.74	4.08	4.02	5.44
200W	0°	0.75	1.45	1.46	2.16	2.10	2.88
	10°	0.69	1.33	1.34	1.98	1.92	2.64
	20°	0.69	1.33	1.34	1.98	1.92	2.64
	30°	0.73	1.41	1.42	2.10	2.04	2.80
	40°	0.79	1.53	1.54	2.28	2.22	3.04
	45°	0.83	1.61	1.62	2.40	2.34	3.20
	50°	0.99	1.93	1.94	2.88	2.82	3.84
	60°	1.30	2.55	2.56	3.81	3.75	5.08
	70°	1.54	3.03	3.04	4.53	4.47	6.04
	80°	1.73	3.41	3.42	5.10	5.04	6.80
	90°	1.89	3.73	3.74	5.58	5.52	7.44
240W / 300W	0°	1.09	2.13	2.14	3.18	3.12	4.24
	10°	1.01	1.97	1.98	2.94	2.88	3.92
	20°	1.00	1.95	1.96	2.91	2.85	3.88
	30°	1.06	2.07	2.08	3.09	3.03	4.12
	40°	1.15	2.25	2.26	3.36	3.30	4.48
	45°	1.20	2.35	2.36	3.51	3.45	4.68
	50°	1.42	2.79	2.80	4.17	4.11	5.56
	60°	1.86	3.67	3.68	5.49	5.43	7.32
	70°	2.19	4.33	4.34	6.48	6.42	8.64
	80°	2.46	4.87	4.88	7.29	7.23	9.72
	90°	2.69	5.33	5.34	7.98	7.92	10.64

Product Weight

Catalog #							
	JSAL-G2-14L	JSAL-G2-21L	JSAL-G2-28L	JSAL-G2-33L	JSAL-G2-42L	JSAL-G2-14ML28	JSAL-G2-28ML42
-QA	8.9 lbs	9.1 lbs	9.6 lbs	12.9 lbs	13.4 lbs	9.6 lbs	13.4 lbs
-TQA	10.3 lbs	10.5 lbs	11.0 lbs	14.3 lbs	14.8 lbs	11.0 lbs	14.8 lbs
-SFM	9.2 lbs	9.4 lbs	9.9 lbs	13.2 lbs	13.7 lbs	9.9 lbs	13.7 lbs
-BR	9.2 lbs	9.4 lbs	9.9 lbs	13.2 lbs	13.7 lbs	9.9 lbs	13.7 lbs

Dimensions:

JSAL-G2-14L/19L - SFM
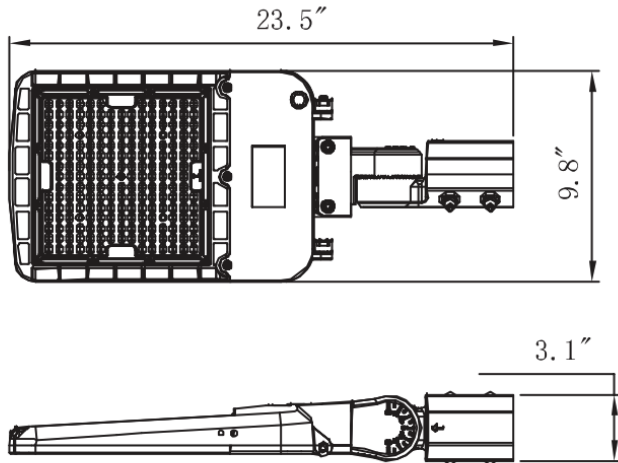
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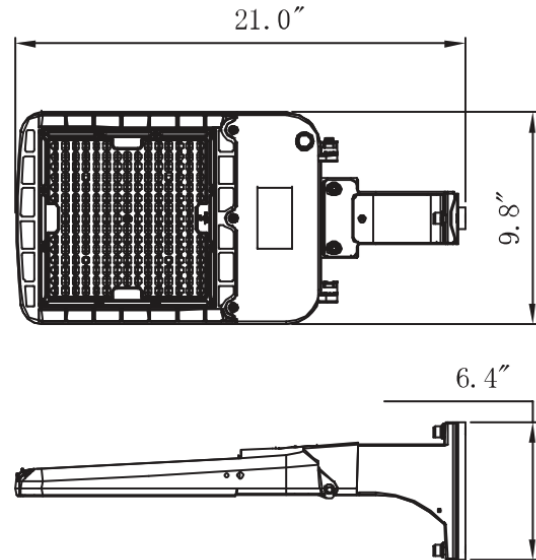
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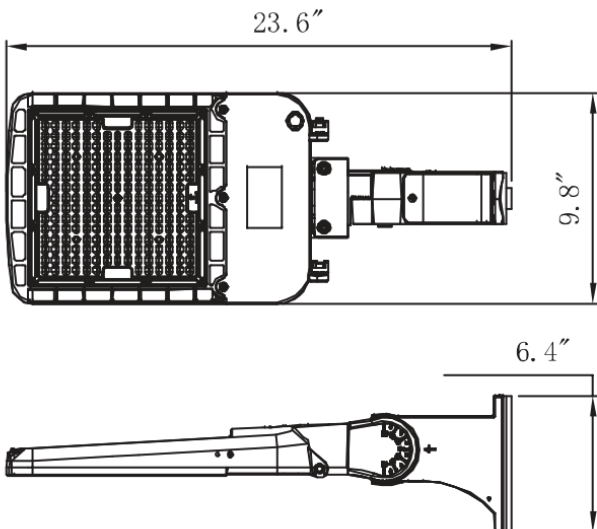
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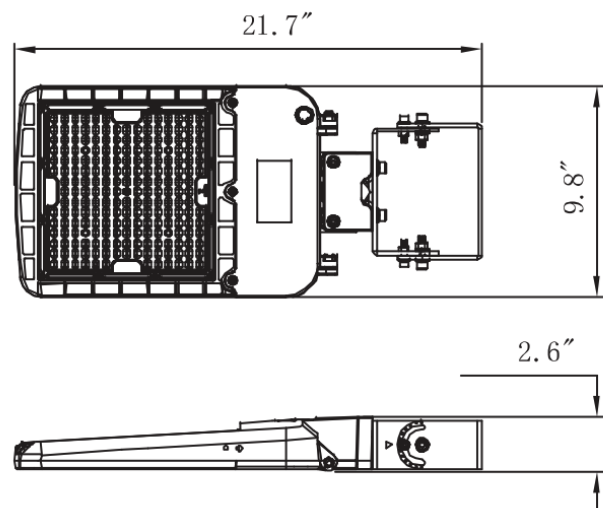
Dimensions:

JSAL-G2-28L/14ML28 - SFM

25.7″

3.1″
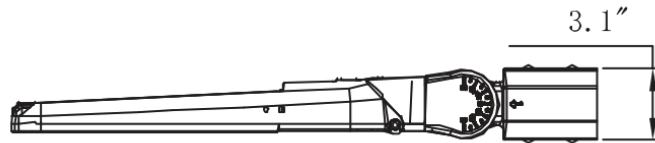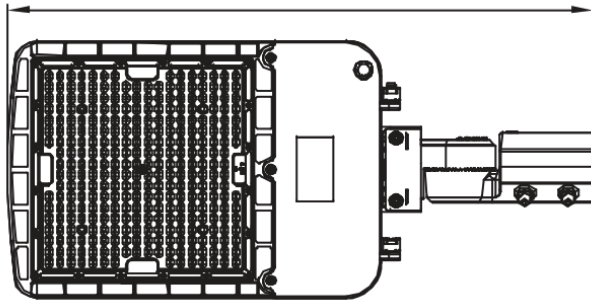
JSAL-G2-28L/14ML28 - QA

23.2″

11.3″

6.4″
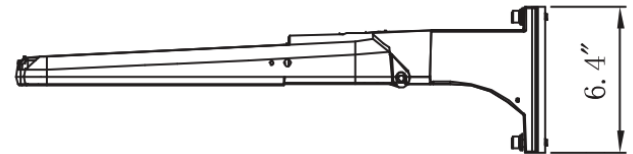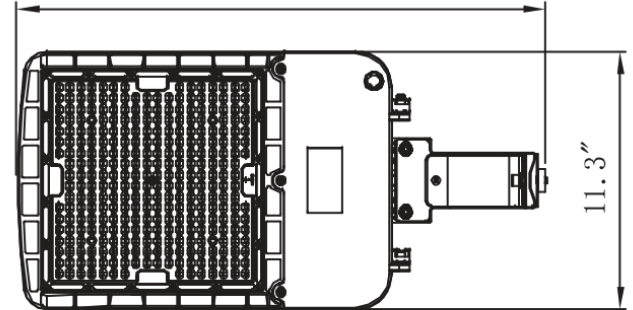
JSAL-G2-28L/14ML28 - TQA

25.8″

11.3″

6.4″
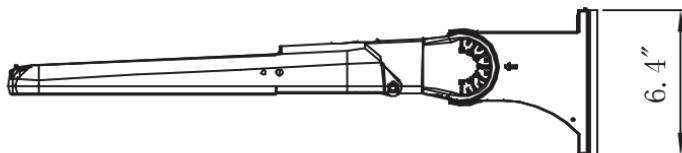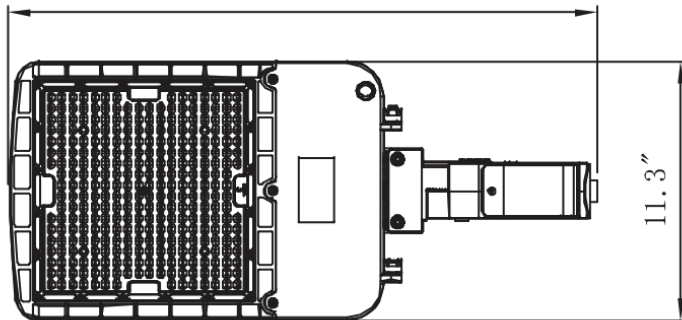
JSAL-G2-28L/14ML28 - BR

24.0″

11.3″

2.5″
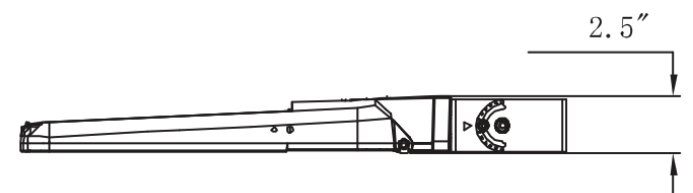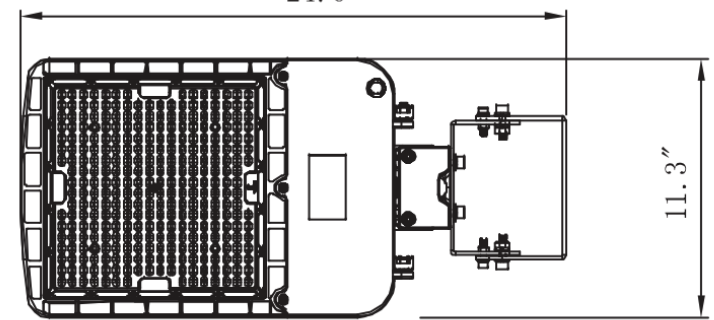
Dimensions:

JSAL-G2-33L/42L/28ML42 - SFM

30.2″

13.3″

3.1″
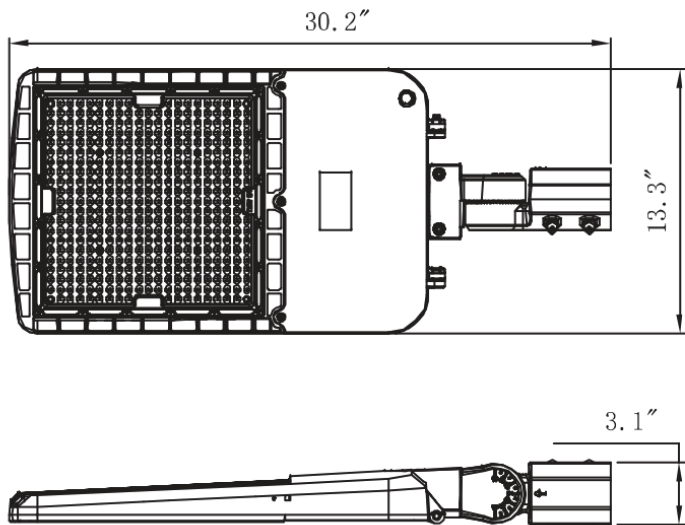
JSAL-G2-33L/42L/28ML42 - QA

27.7″

13.3″

6.4″

JSAL-G2-33L/42L/28ML42 - TQA

30.3″

13.3″

6.4″

JSAL-G2-33L/42L/28ML42 - BR

28.5″

13.3″

2.8″

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DLC LISTED PREMIUM

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