SAR2-UV Series
Slim LED Area Luminaire

J
JARVIS LIGHTING ™

Jarvis SAR2-UV Series	Competitors' Products
Direct mount arm attaches to both round and square poles	Mounting arm only attaches to one style of pole
UV-resistant powdercoat finish avoids fading and flaking	Powdercoat may fade or flake
Available with pre-programmed motion sensor with daylight harvesting capabilities	Motion sensors require extra wiring, programming, and installation

SAR2-5L-BRZ-T3-SFM

SAR2-34L-BRZ-T3-KA

Most Popular Models and Specifications:

Catalog #	Description	Dlc Model #	Input	Power	Lumens	CCT	CRI	PF
SAR2-5L-40K-BRZ-T3-[SFM or KA or WM]	Slim Area Light w/ 1-10V Dimming - Bronze	MAL0440W27V40KD[SQ,SP,WM]T3	120-277V 50/60Hz	40W	5,400 lm	4000K	≥ 70	≥ 0.9
SAR2-5L-BRZ-T3-[SFM or KA or WM]	Slim Area Light w/ 1-10V Dimming - Bronze	MAL0440W27V50KD[SQ,SP,WM]T3	120-277V 50/60Hz	40W	5,500 lm	5000K	≥ 70	≥ 0.9
SAR2-9L-40K-BRZ-T3-[SFM or KA or WM]	Slim Area Light w/ 1-10V Dimming - Bronze	MAL0470W27V40KD[SQ,SP,WM]T3	120-277V 50/60Hz	70W	9,500 lm	4000K	≥ 70	≥ 0.9
SAR2-9L-BRZ-T3-[SFM or KA or WM]	Slim Area Light w/ 1-10V Dimming - Bronze	MAL0470W27V50KD[SQ,SP,WM]T3	120-277V 50/60Hz	70W	9,600 lm	5000K	≥ 70	≥ 0.9
SAR2-13L-40K-BRZ-T3-[SFM or KA or WM]	Slim Area Light w/ 1-10V Dimming - Bronze	MAL04100W27V40KD[SQ,SP,WM]T3	120-277V 50/60Hz	100W	13,500 lm	4000K	≥ 70	≥ 0.9
SAR2-13L-BRZ-T3-[SFM or KA or WM]	Slim Area Light w/ 1-10V Dimming - Bronze	MAL04100W27V50KD[SQ,SP,WM]T3	120-277V 50/60Hz	100W	13,800 lm	5000K	≥ 70	≥ 0.9
SAR2-20L-40K-BRZ-T3-[SFM or KA or WM]	Slim Area Light w/ 1-10V Dimming - Bronze	MAL04150W27V40KD[SQ,SP,WM]T3	120-277V 50/60Hz	150W	20,500 lm	4000K	≥ 70	≥ 0.9
SAR2-20L-BRZ-T3-[SFM or KA or WM]	Slim Area Light w/ 1-10V Dimming - Bronze	MAL04150W27V50KD[SQ,SP,WM]T3	120-277V 50/60Hz	150W	20,800 lm	5000K	≥ 70	≥ 0.9
SAR2-26L-40K-BRZ-T3-[SFM or KA or WM]	Slim Area Light w/ 1-10V Dimming - Bronze	MAL04200W27V40KD[SQ,SP,WM]T3	120-277V 50/60Hz	200W	25,500 lm	4000K	≥ 70	≥ 0.9
SAR2-26L-BRZ-T3-[SFM or KA or WM]	Slim Area Light w/ 1-10V Dimming - Bronze	MAL04200W27V50KD[SQ,SP,WM]T3	120-277V 50/60Hz	200W	26,000 lm	5000K	≥ 70	≥ 0.9
SAR2-34L-40K-BRZ-T3-[SFM or KA or WM]	Slim Area Light w/ 1-10V Dimming - Bronze	MAL04250W27V40KD[SQ,SP,WM]T3	120-277V 50/60Hz	250W	34,000 lm	4000K	≥ 70	≥ 0.9
SAR2-34L-BRZ-T3-[SFM or KA or WM]	Slim Area Light w/ 1-10V Dimming - Bronze	MAL04250W27V50KD[SQ,SP,WM]T3	120-277V50/60Hz	250W	34,500 lm	5000K	≥ 70	≥ 0.9
SAR2-41L-40K-BRZ-T3-[SFM or KA or WM]	Slim Area Light w/ 1-10V Dimming - Bronze	MAL04300W27V40KD[SQ,SP,WM]T3	120-277V 50/60Hz	300W	40,500 lm	4000K	≥ 70	≥ 0.9
SAR2-41L-BRZ-T3-[SFM or KA or WM]	Slim Area Light w/ 1-10V Dimming - Bronze	MAL04300W27V50KD[SQ,SP,WM]T3	120-277V 50/60Hz	300W	41,000 lm	5000K	≥ 70	≥ 0.9

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Select Mounting and Accessory Options When Ordering

Mounting Options	
-SFM	Slipfitter Mount Arm
-KA	Direct Mount Arm for Round/Square Poles
-WM	Wall Mount Arm

Accessory Options	
+A306 +A307	Integrated Twist Lock Photo Controller
+A311	Programmable PhotoMotion™ PIR Motion Sensor

Electrical

Input Voltage: 120-277V 50/60Hz

Power Factor: >.9 at full load

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

Operating Temperature Range: -40°C to 45° C Ambient (-40°F to 113°F)

Controls and Dimming

1-10V dimming leads are default on all 120-277V input models and accessible outside fixture body.

Twist Lock Photo Controller

SAR2 Series can be ordered with an integrated twist lock photo controller.

The twist lock photo controller is IP65 rated and will turn fixture on or off based on ambient light levels.

SAR2-34L-BRZ-T3-SFM
w/Integrated Twist Lock
Photo Controller

Programmable Outdoor Sensor with Photocontrol and Motion-Activated Dimming

The IP65 rated outdoor sensor utilizes line voltage On/Off switching and 0-10V dimming to provide multi-level control based on both motion and/or ambient natural lighting levels.

When ordered with this sensor, the fixture will automatically detect both light levels and motion. The default settings will cause the light fixture to turn completely off during the daytime and will turn on at 30% brightness at night. If motion is detected at night, the fixture will increase its brightness to 100%. When motion is no longer detected, the light fixture will decrease its brightness back to 30%. The light fixture will then turn itself off entirely at sunrise. The programmable outdoor sensor can be combined with a programmable controller to allow for custom programming.

The controller is part number A315. The JSAL Series is also compatible with many other photosensors and motion sensor systems. Contact a Jarvis representative for more information.

Construction and Materials

Constructed from a rugged one-piece die-cast aluminum housing and features either an adjustable slipfitter mount, round/square pole direct mount, or a wall 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. 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.

Housing is completely sealed to prevent moisture accumulation in optical chamber

Lens construction is UV-resistant PC material with Type III optics. Additional optic lens options are available contact factory for information

Luminaire's construction contains zero mercury.

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

SAR2-34L-BRZ-T3-SFM
w/Programmable PhotoMotion™
PIR Motion Sensor

Regulatory and Voluntary Qualifications

UL listed to UL1598 and UL8750 for both US and Canada State of California Title 24 Compliant when installed in accordance with l ocal 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

Contact a Jarvis representative for more information

Warranty and Lifetime

SAR2 Series carries a 10-year warranty, sensors and photo control warranty may differ from fixture. Contact Jarvis representative for details. Projected LED lifetime exceeds 100,000 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.

Installation

Luminaire can be ordered with 1 of 3 different mounting options - please indicate at time of order by selecting "KA" direct mount arm, "SFM" slipfitter mount, or "WM" wall mount. Luminaire ships with at least 7" 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 "KA" direct mount 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 "WM" wall mount arm allows luminaire to be easily installed directly onto a wall with ½" conduit or standard J-box. The wall mount is non-adjustable and will mount with LEDs parallel to the ground.

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

SAR2-5L-BRZ-T3-KA

Accessories

Jarvis Lighting manufactures a full line of mounting tenons for 4" and 5" light poles. Available accessories include single, double, triple and quadruple tenons in multiple configurations. Short and long tenons are available. Wall mount brackets are available.

Contact a Jarvis representative for information regarding our full selection of tenons.

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.

Product Net Weight:

Part Number	Weight	Part Number	Weight
SAR2-5L-UV-SFM	7.6lbs	SAR2-20L-UV-WM	13.4lbs
SAR2-5L-UV-KA	7.8lbs	SAR2-26L-UV-SFM	11.7lbs
SAR2-5L-UV-WM	9.7lbs	SAR2-26L-UV-KA	12.1lbs
SAR2-9L-UV-SFM	7.8lbs	SAR2-26L-UV-WM	14.0lbs
SAR2-9L-UV-KA	8.2lbs	SAR2-34L-UV-SFM	16.4lbs
SAR2-9L-UV-WM	10.0lbs	SAR2-34-UV-KA	16.0lbs
SAR2-13L-UV-SFM	8.2lbs	SAR2-34L-UV-WM	17.9lbs
SAR2-13L-UV-KA	8.6lbs	SAR2-41L-UV-SFM	17.9lbs
SAR2-13L-UV-WM	10.4lbs	SAR2-41L-UV-KA	17.9lbs
SAR2-20L-UV-SFM	11.2lbs	SAR2-41L-UV-WM	19.8lbs
SAR2-20L-UV-KA	11.6lbs		

Dimensions:

SAR2-5L-UV-SFM & SAR2-9L-UV-SFM & SAR2-13L-UV-SFM

21.1"

9.2"

2.4"

2.3"

3.3"

12.6"

3.3"
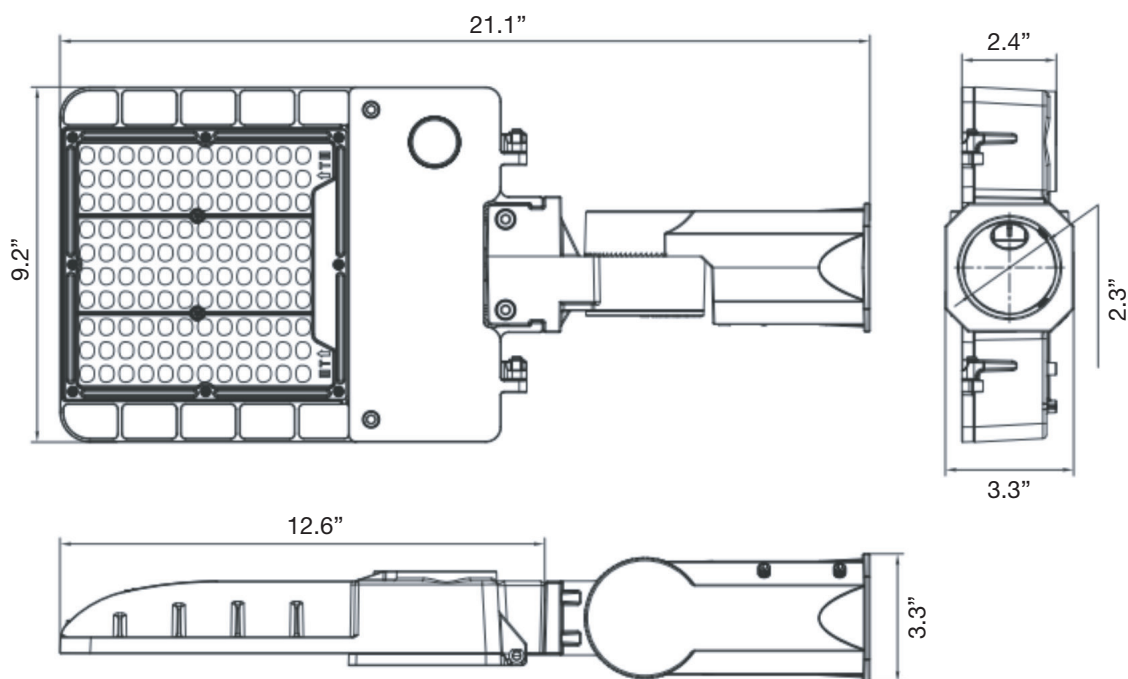
SAR2-5L-UV-KA & SAR2-9L-UV-KA & SAR2-13L-UV-KA

15.9"

9.2"

7.2"

2.4"

3.5"

12.6"

6.9"
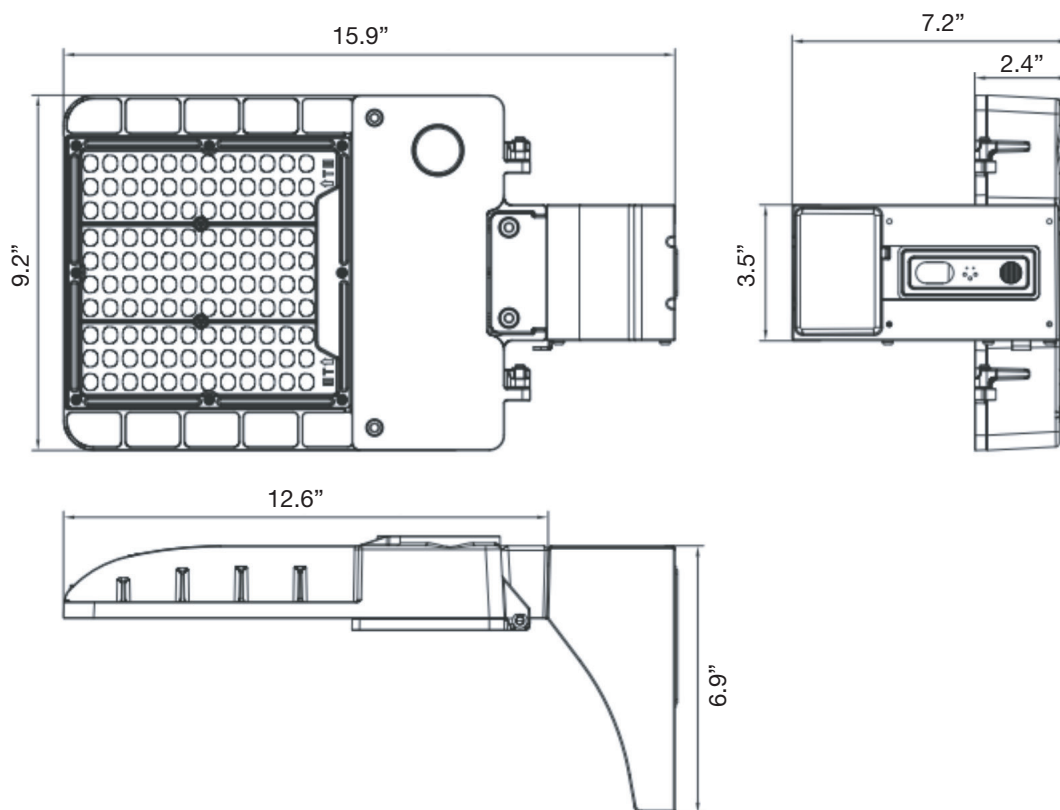
Dimensions:

SAR2-5L-UV-WM & SAR2-9L-UV-WM & SAR2-13L-UV-WM

16.1"

9.2"

3.5"

2.4"

5.9"

4.8"

2"

1"

Ø0.4"

6.5"

12.6"

6.9"

8"
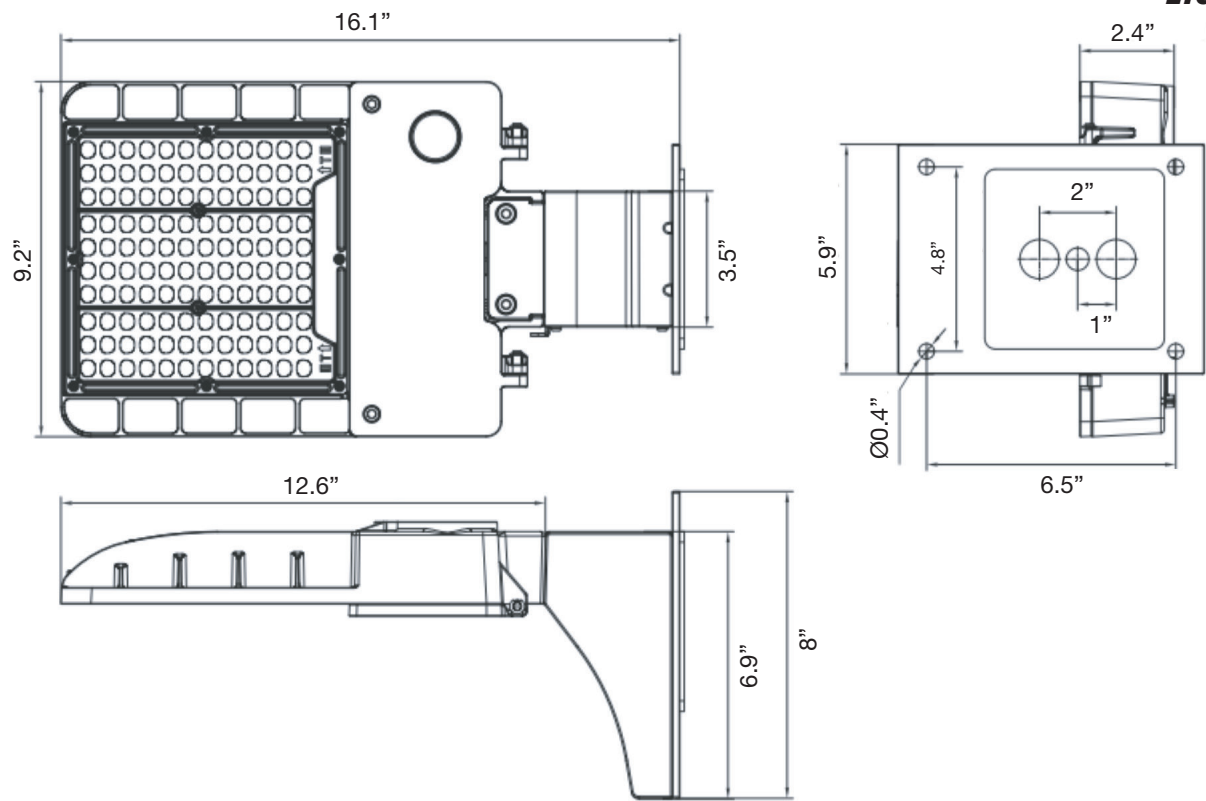
SAR2-20L-UV-SFM & SAR2-26L-UV-SFM

22.8"

12.2"

2.4"

Ø2.3"

15.1"

3.3"

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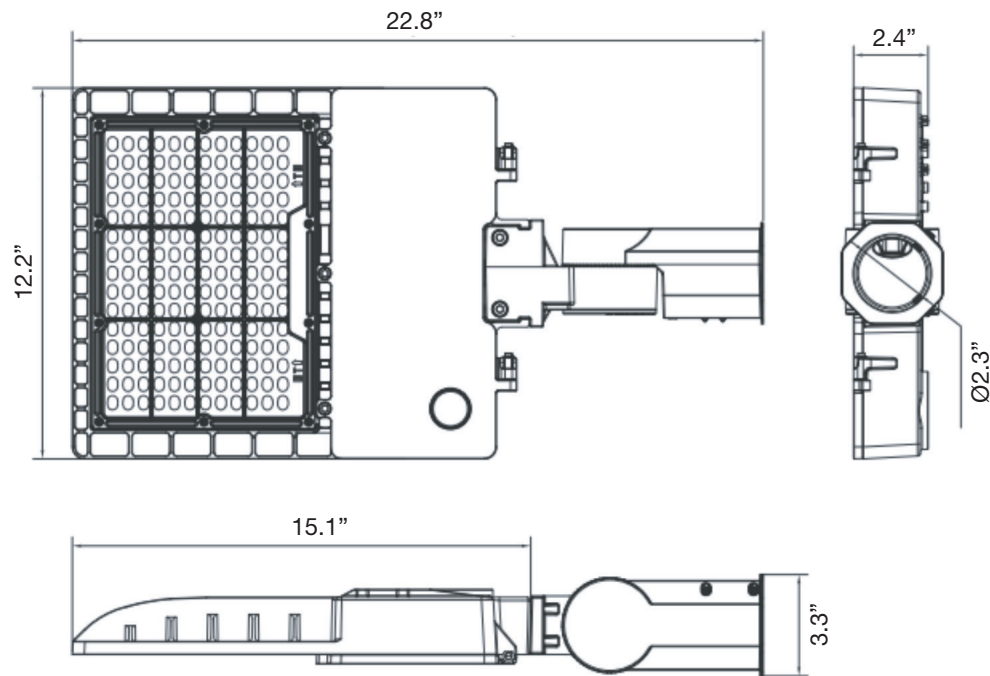
Dimensions:

SAR2-20L-UV-KA & SAR2-26L-UV-KA

18.5"

12.2"

15.1"

3.5"

2.4"

6.9"
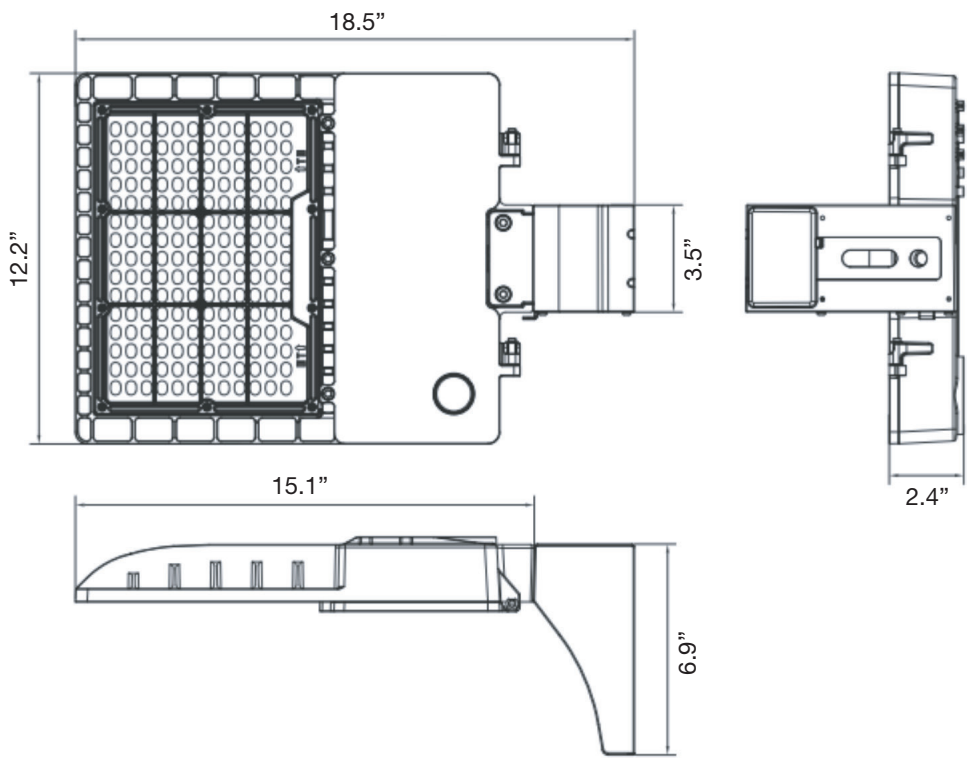
SAR2-20L-UV-WM & SAR2-26L-UV-WM

18.6"

12.2"

3.5"

15.1"

6.5"

Ø0.4"

4.8"

5.9"

1"

2"

2.4"

6.9"

8"
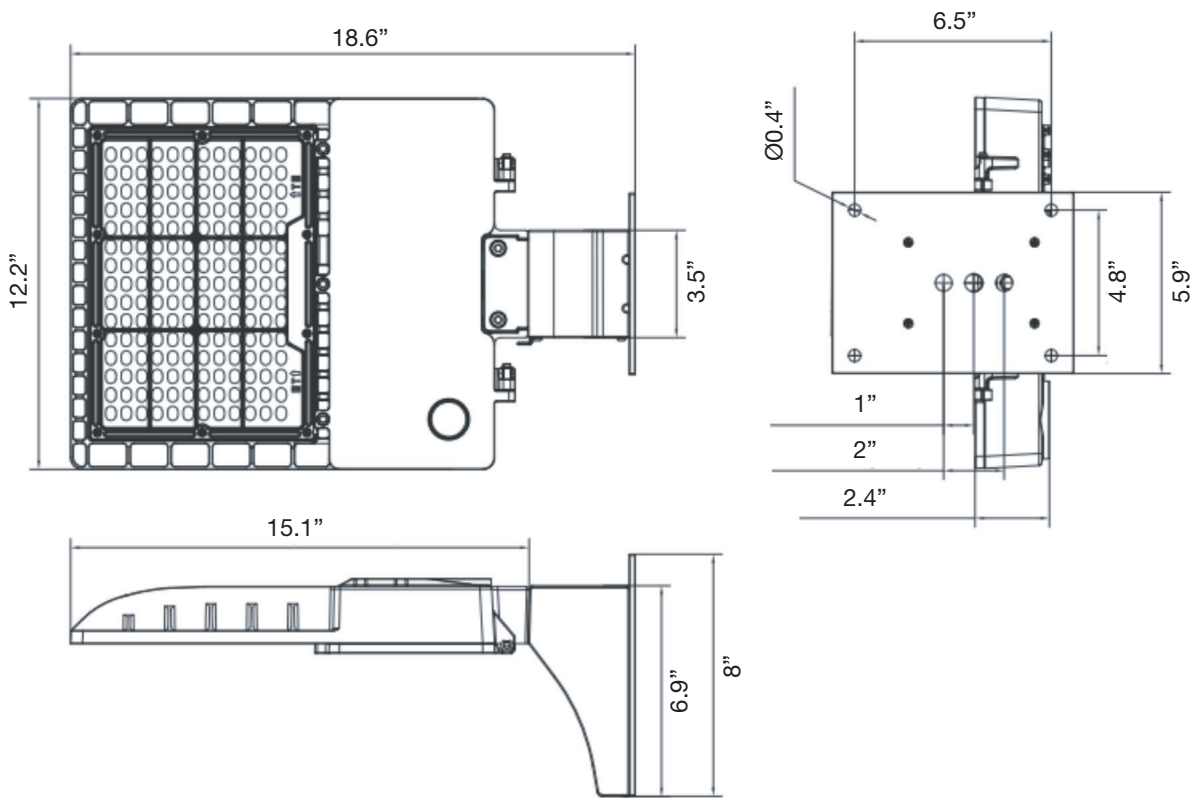
Dimensions:

SAR2-34L-UV-SFM & SAR2-41L-UV-SFM

30.9"

12.2"

2.4"

Ø2.3"

23.3"

3.3"
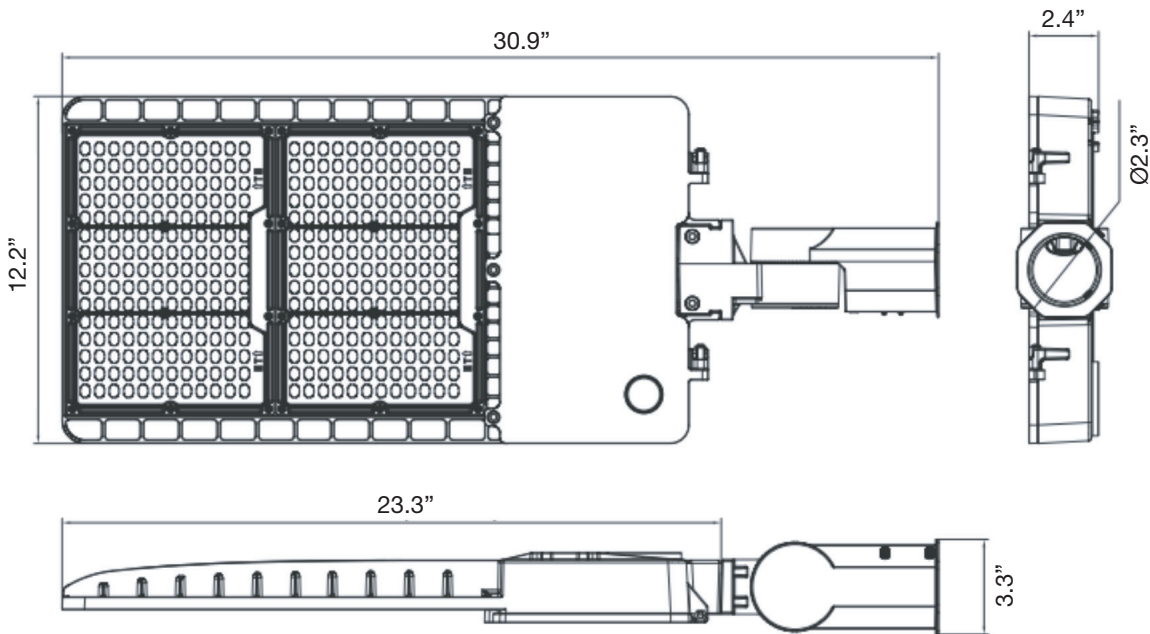
SAR2-34L-UV-KA & SAR2-41L-UV-KA

26.6"

12.2"

2.4"

3.5"

23.3"

6.9"
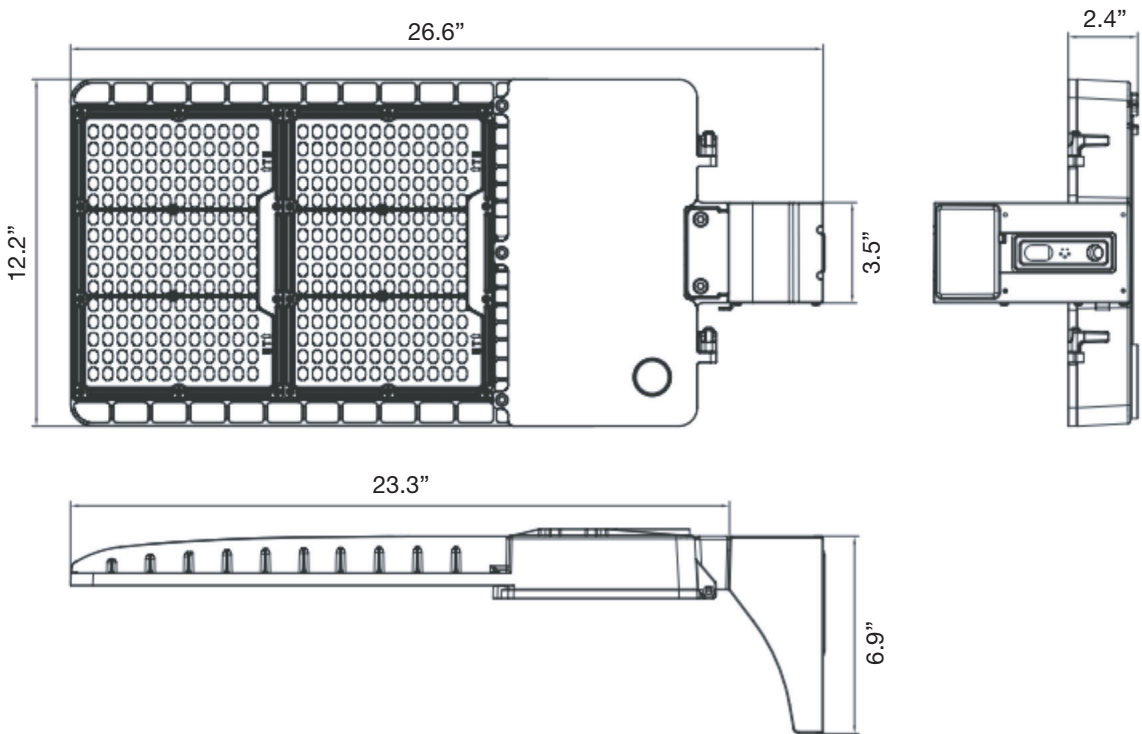
Dimensions:

SAR2-34L-UV-WM & SAR2-41L-UV-WM

26.8"

12.2"

3.5"

2.4"

1"

2"

5.9"

4.8"

⌀0.4"

6.5"

23.3"

6.9"

8"

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