



ARCHITECTURAL SAW 100

SERIES 2FT, 4FT, 8FT
® 3" WIDE ASYMMETRICAL STRIP LUMINAIRE



JOB

TYPE

DATE

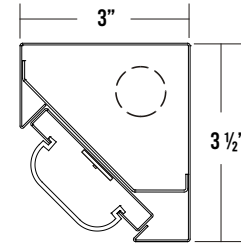
WWW.LALIGHTING.COM

TEL: 626-454-8300

CEILING / WALL SURFACE MOUNTED LED LUMINAIRE

DIMENSIONS

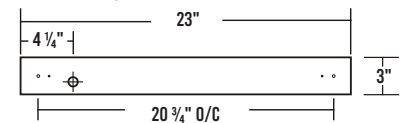
CROSS SECTION



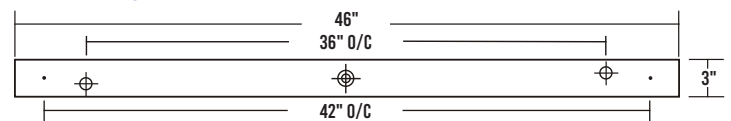
- 2" K.O.
- 7/8" K.O.
- 11/16" STEM MOUNTING K.O.



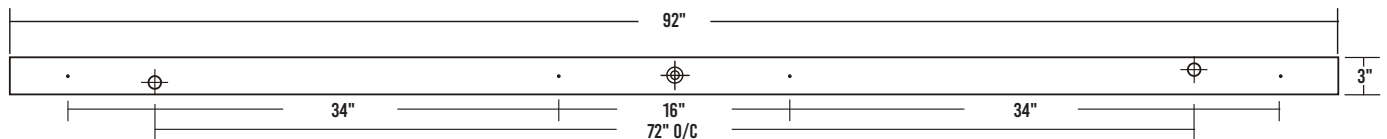
2' BACKPLATE



4' BACKPLATE



8' BACKPLATE



SPECIFICATIONS

CONSTRUCTION

- 22 gauge cold-rolled steel welded housing

FINISH

- Baked white powder-coated finish
- Painted after fabrication
- Minimum reflectance 90

OPTICAL

- Frosted white acrylic lens

ELECTRICAL

- High-efficiency drivers coupled with long-life LED
- Service life tested at 50,000 hours (L70)
- Universal voltage 120V through 277V (347V / 480V available)
- Power Factor (PF) ≥ 0.9
- Total Harmonic Distortion (THD) ≤ 20%

LISTING

- UL USA and Canada listed / suitable for damp locations

WARRANTY

- 5-Year limited warranty standard. 10-Year limited warranty also available

APPLICATIONS

Architectural, Office, Retail, Museum, Bowling Alley, Commercial

FEATURES

- 0-10V Dimming driver standard
- Supports California Title 24 compliance

OPTIONS CONTACT CUSTOMER SERVICE FOR ADDITIONAL OPTIONS

- Controls
- Variety of lenses
- Custom housing colors
- Emergency battery pack
- Tunable white (2700K-6500K)
- Customization available upon request

CUSTOM COLORS

BLK - Matte Black

CS - Camaro Silver

BZ - Statuary Bronze



Variety of RAL colors available upon request.



Los Angeles Lighting Mfg. Co.
Contact Us
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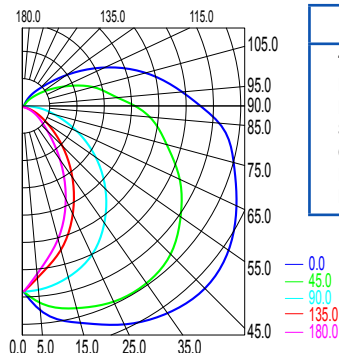
ORDERING INFORMATION

ADDITIONAL OPTIONS AVAILABLE. VISIT WWW.LALIGHTING.COM/RESOURCES FOR MORE INFORMATION

EXAMPLE: SAW100-4-4L-FRWA-BPL1.5-DRDM-UNV-1/840

SERIES	NOMINAL LED LUMENS	NOMINAL LENGTH	COLOR	OPTICAL	CONTROLS	ELECTRICAL	DRIVER	VOLTAGE	# OF LED ROWS	CRI / CCT
SAW100								UNV	1	
SAW100 3" Wide Asymmetrical Strip Luminaire	1 - 1000lm 2 - 2000lm 3 - 3000lm 4 - 4000lm High Efficac 1HE - 1000lm 2HE - 2000lm 3HE - 3000lm	2L • 2'	(Blank) • Standard White BLK • Matte Black BZ • Statuary Bronze CS • Camaro Silver	FRA • Frosted Acrylic FRWA • Frosted White Acrylic	WLC(AWNR-WH) Lutron Athena wireless node (RF) WLC(AWNS-WH) Lutron Athena wireless node w/ sensor Additional Lutron options on page (4)	BPL1.5 ¹ • Emergency Battery Pack 1500 lm *Leave blank if not specific	DRDM • 0-10V Dimming Driver DRDM2C • 2-Channel 0-10V Dimming Driver	UNV • 120V-277V	1 • 1 LED Row	827 • 80+CRI / 2700K 830 • 80+CRI / 3000K 835 • 80+CRI / 3500K 840 • 80+CRI / 4000K 850 • 80+CRI / 5000K 865 • 80+CRI / 6500K 8TW • 80+CRI Tunable White 2700K-6500K Requires DRDM2C driver. 90CRI Also available Contact customer service for additional CRI/ CCT packages.
	2 - 2000lm 4 - 4000lm 6 - 6000lm 8 - 8000lm High Efficac 2HE - 2000lm 4HE - 4000lm 6HE - 6000lm	4L • 4'								
	4 - 4000lm 8 - 8000lm 12 - 12000lm 16 - 16000lm High Efficac 4HE - 4000lm 8HE - 8000lm 12HE - 12000lm	8L • 8'								
Standard options for SAW100 shown above. For additional options, including lumen packages, controls, lenses, switches, finishes, and more, visit www.lalighting.com/resources or contact customer service.										
¹ Emergency battery not available for 2' length.										

PHOTOMETRIC DATA



SAW100-4-4L-FRWA-DRDM-1/840

TEST NO. = LA-T3468
 LED TYPE = 48 LED MODULE
 NO. OF MODULE = 2
 SYSTEM WATT (W) = 31.2
 CRI ≥ 80
 L70(Hrs.) ≥ 50,000
 PHOTOMETRY TYPE = C

ZONAL LUMEN SUMMARY

DEGREES	LUMENS	% LAMP	% FIXTURE
0-30	625	15	18
0-40	1030	24	29
0-60	1898	44	54
0-90	2910	68	83
90-120	495	12	14
90-150	593	14	17
90-180	596	14	17
0-180	3506	82	100

SPACING CRITERION

ALONG	ACROSS
1.97	1.21

Luminaire Output = 3506.2 lumens
 Luminaire Efficacy = 112.4 lm/W
 Luminaire Efficiency = 81.84 %



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SYSTEM DATA

ADDITIONAL LUMEN PACKAGES AVAILABLE. CONTACT CUSTOMER SERVICE FOR MORE INFORMATION

2' - LED LUMEN PACKAGE	NORMAL AMBIENT TEMPERATURE PRODUCT CODE	DELIVERED LUMENS	SYSTEM WATTS	LUMINAIRE EFFICACY	AMBIENT TEMP.	FLUORESCENT EQUIVALENT	IES FILES
1000 Lumens (Nominal)	SAW100-1-2L-FRWA-DRDM-UNV-1/840	849	7.6	111.1 lm/W	-20°C / 35°C (-4°F / 95°F)	1-F17T8	*
2000 Lumens (Nominal)	SAW100-2-2L-FRWA-DRDM-UNV-1/840	1666	14.1	117.9 lm/W	-20°C / 35°C (-4°F / 95°F)	2-F17T8, 1-F24T5HO	LA-T3467
3000 Lumens (Nominal)	SAW100-3-2L-FRWA-DRDM-UNV-1/840	2551	22.1	115.6 lm/W	-20°C / 35°C (-4°F / 95°F)	3-F17T8	*
4000 Lumens (Nominal)	SAW100-4-2L-FRWA-DRDM-UNV-1/840	3377	27.2	123.8 lm/W	-20°C / 35°C (-4°F / 95°F)	4-F17T8, 2-F24T5HO	*
2' - LED LUMEN PACKAGE	NORMAL AMBIENT TEMPERATURE (HIGH EFFICACY) PRODUCT CODE	DELIVERED LUMENS	SYSTEM WATTS	LUMINAIRE EFFICACY	AMBIENT TEMP.	FLUORESCENT EQUIVALENT	IES FILES
1000 Lumens (Nominal)	SAW100-1HE-2L-FRWA-DRDM-UNV-1/840	917	7.5	122.3 lm/W	-20°C / 35°C (-4°F / 95°F)	1-F17T8	*
2000 Lumens (Nominal)	SAW100-2HE-2L-FRWA-DRDM-UNV-1/840	1631	12.3	131.8 lm/W	-20°C / 35°C (-4°F / 95°F)	2-F17T8, 1-F24T5HO	*
3000 Lumens (Nominal)	SAW100-3HE-2L-FRWA-DRDM-UNV-1/840	2464	18.6	131.9 lm/W	-20°C / 35°C (-4°F / 95°F)	3-F17T8	*
4' - LED LUMEN PACKAGE	NORMAL AMBIENT TEMPERATURE PRODUCT CODE	DELIVERED LUMENS	SYSTEM WATTS	LUMINAIRE EFFICACY	AMBIENT TEMP.	FLUORESCENT EQUIVALENT	IES FILES
2000 Lumens (Nominal)	SAW100-2-4L-FRWA-DRDM-UNV-1/840	1702	13.4	126.9 lm/W	-20°C / 35°C (-4°F / 95°F)	1-F32T8	*
4000 Lumens (Nominal)	SAW100-4-4L-FRWA-DRDM-UNV-1/840	3343	26.7	125.2 lm/W	-20°C / 35°C (-4°F / 95°F)	2-F32T8, 1-F54T5HO	LA-T3468
6000 Lumens (Nominal)	SAW100-6-4L-FRWA-DRDM-UNV-1/840	5206	43.6	119.2 lm/W	-20°C / 35°C (-4°F / 95°F)	3-F32T8	*
8000 Lumens (Nominal)	SAW100-8-4L-FRWA-DRDM-UNV-1/840	6777	51.1	132.5 lm/W	-20°C / 35°C (-4°F / 95°F)	4-F32T8, 2-F54T5HO	*
4' - LED LUMEN PACKAGE	NORMAL AMBIENT TEMPERATURE (HIGH EFFICACY) PRODUCT CODE	DELIVERED LUMENS	SYSTEM WATTS	LUMINAIRE EFFICACY	AMBIENT TEMP.	FLUORESCENT EQUIVALENT	IES FILES
2000 Lumens (Nominal)	SAW100-2HE-4L-FRWA-DRDM-UNV-1/840	1841	13.5	135.9 lm/W	-20°C / 35°C (-4°F / 95°F)	1-F32T8	*
4000 Lumens (Nominal)	SAW100-4HE-4L-FRWA-DRDM-UNV-1/840	3273	23.4	139.5 lm/W	-20°C / 35°C (-4°F / 95°F)	2-F32T8, 1-F54T5HO	*
6000 Lumens (Nominal)	SAW100-6HE-4L-FRWA-DRDM-UNV-1/840	4944	36.4	135.8 lm/W	-20°C / 35°C (-4°F / 95°F)	3-F32T8	*
8' - LED LUMEN PACKAGE	NORMAL AMBIENT TEMPERATURE PRODUCT CODE	DELIVERED LUMENS	SYSTEM WATTS	LUMINAIRE EFFICACY	AMBIENT TEMP.	FLUORESCENT / HID EQUIVALENT	IES FILES
4000 Lumens (Nominal)	SAW100-4-8L-FRWA-DRDM-UNV-1/840	3411	25.7	132.4 lm/W	-20°C / 35°C (-4°F / 95°F)	2-F32T8	*
8000 Lumens (Nominal)	SAW100-8-8L-FRWA-DRDM-UNV-1/840	6698	52.6	127.1 lm/W	-20°C / 35°C (-4°F / 95°F)	4-F32T8, 2-F54T5HO	LA-T3469
12000 Lumens (Nominal)	SAW100-12-8L-FRWA-DRDM-UNV-1/840	10128	81.9	123.6 lm/W	-20°C / 35°C (-4°F / 95°F)	6-F32T8	*
16000 Lumens (Nominal)	SAW100-16-8L-FRWA-DRDM-UNV-1/840	13284	99.2	133.9 lm/W	-20°C / 35°C (-4°F / 95°F)	8-F32T8, 4-F54T5HO	*
8' - LED LUMEN PACKAGE	NORMAL AMBIENT TEMPERATURE (HIGH EFFICACY) PRODUCT CODE	DELIVERED LUMENS	SYSTEM WATTS	LUMINAIRE EFFICACY	AMBIENT TEMP.	FLUORESCENT EQUIVALENT	IES FILES
4000 Lumens (Nominal)	SAW100-4HE-8L-FRWA-DRDM-UNV-1/840	3318	22.7	145.9 lm/W	-20°C / 35°C (-4°F / 95°F)	2-F32T8	*
8000 Lumens (Nominal)	SAW100-8HE-8L-FRWA-DRDM-UNV-1/840	6556	45.2	144.7 lm/W	-20°C / 35°C (-4°F / 95°F)	4-F32T8, 2-F54T5HO	*
12000 Lumens (Nominal)	SAW100-12HE-8L-FRWA-DRDM-UNV-1/840	9904	71.1	139.2 lm/W	-20°C / 35°C (-4°F / 95°F)	6-F32T8	*

NOTE:

System data is based on 120V input voltage. Actual performance may differ as a result of end-user environment and application.

This fixture has been tested and listed in accordance with UL Standards. L.A. Lighting certifies that it will operate safely when installed per UL, and within an ambient temperature range noted in the system data table.

Additional lumen packages and color temperatures available.

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WIRELESS CONTROLS

Vive Systems

Vive PowPak Wireless Fixture Controls

WLC(FCJS0) - PowPak Wireless Fixture Control

- RF only. For use with 0-10V drivers.
- One fixture control per luminaire, typically end-mounted via 1/2" KO

WLC(FCJS0S) - PowPak Wireless Fixture Control with Sensor

- RF with daylight/occupancy sensing. For use with 0-10V drivers.
- One fixture control per luminaire, typically end-mounted via 1/2" KO
- Sensor must be installed separately.

WLC(FCJSE) - PowPak EcoSystem Wireless Fixture Control

- RF only. For use with Lutron EcoSystem drivers.
- One fixture control per luminaire, typically end-mounted via 1/2" KO

WLC(FCJSES) - PowPak EcoSystem Wireless Fixture Control with Sensor

- RF with daylight/occupancy sensing. For use with Lutron EcoSystem drivers.
- One fixture control per luminaire, typically end-mounted via 1/2" KO.
- Sensor must be installed separately.

Vive PowPak Sensors

*FC-SENSOR - PowPak Occupancy/Daylight Sensor

- For luminaires with existing PowPak Wireless Fixture Controls.
- Turns luminaire ON/OFF based on motion. Adjusts lumen output in response to ambient light.
- Recommended mounting height: 8-12ft

*FC-VSENSOR - PowPak Vacancy/Daylight Sensor

- For luminaires with existing PowPak Wireless Fixture Controls.
- Turns luminaire OFF when area is vacant. Adjusts lumen output in response to ambient light.
- Recommended mounting height: 8-12ft.

Vive Integral Fixture Controls

WLC(VRF) - Vive Integral Wireless Fixture Control

- RF only. Requires controls-ready driver.
- One fixture control per luminaire, mounting location varies by luminaire

WLC(VDO) - Vive Integral Wireless Fixture Control

- RF, plus daylight/occupancy sensing. Requires controls-ready driver.
- One fixture control per luminaire, mounting location varies by luminaire
- Turns luminaire ON/OFF based on motion. Adjusts lumen output in response to ambient light.
- Coverage area at 9ft mounting height: Up to 300 sq.ft for major motions; 150 sq.ft. for minor motions.

How to Order

Pre-installed components are ordered by adding the part number to the luminaire:

GHL320-4-4L-FSW-PA- WLC(FCJS0) -DRDM-UNV-2/840

Components marked with * are ordered separately

Athena Wireless Nodes

Requires Athena-compatible drivers and Clear Connect Gateway - Type X

WLC(AWNR-WH) - Wireless Node (White)

- RF communication node. One per luminaire, integrally mounted.

WLC(AWNS-WH) - Wireless Node (White) with Sensor

- RF, plus daylight/occupancy sensing. One per luminaire, integrally mounted.

WLC(AWNR-BL) - Wireless Node (Black)

RF communication node. One per luminaire, integrally mounted.

WLC(AWNS-BL) - Wireless Node (Black) with Sensor

- RF, plus daylight/occupancy sensing. One per luminaire, integrally mounted.



WLC(AWNR-WH)
Athena Wireless Node



WLC(FCJS0)
PowPak Wireless Fixture Control



FC-SENSOR
PowPak Occupancy/Daylight Sensor



WLC(VDO)
Vive Integral Wireless Fixture Control

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