ARCHITECTURAL

SAW100 SERIES 2FT, 4FT, 8FT

® 3" WIDE ASYMMETRICAL STRIP LUMINAIRE

LED

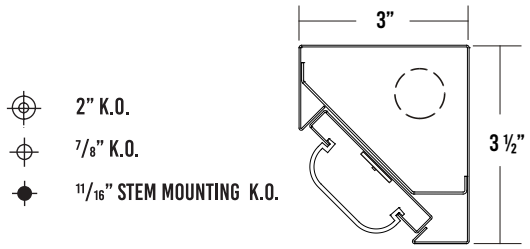
JOB	
TYPE	
DATE	

WWW.LALIGHTING.COM TEL: 626-454-8300

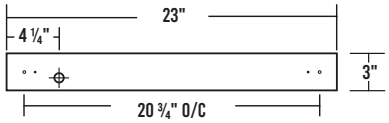
CEILING / WALL SURFACE MOUNTED LED LUMINAIRE

DIMENSIONS

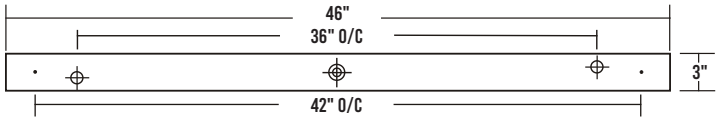
CROSS SECTION



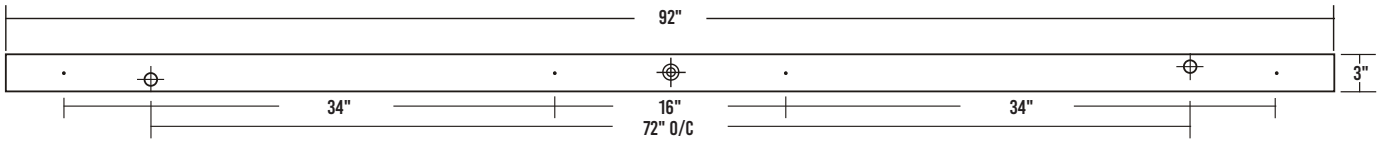
2' BACKPLATE



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.
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El Monte, CA 91731
Made in the USA

RoHS COMPLIANT CERTIFIED

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ORDERING INFORMATION

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

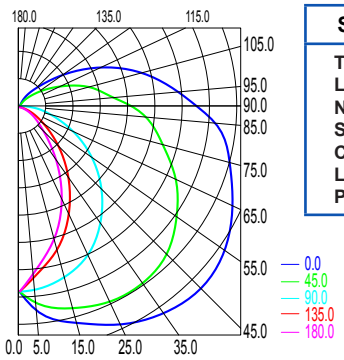
EXAMPLE: SAW100-4-4L-FRWA-BPL1.5-DRDM-UNV-1/840

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 Efficacy** **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 specified	**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 Efficacy** **2HE** - 2000lm **4HE** - 4000lm **6HE** - 6000lm	**4L** • 4'								
	4 - 4000lm **8** - 8000lm **12** - 12000lm **16** - 16000lm **High Efficacy** **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 U Standards. L.A. Lighting certifies that it will operate safely when installed properl , 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

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*

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.

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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