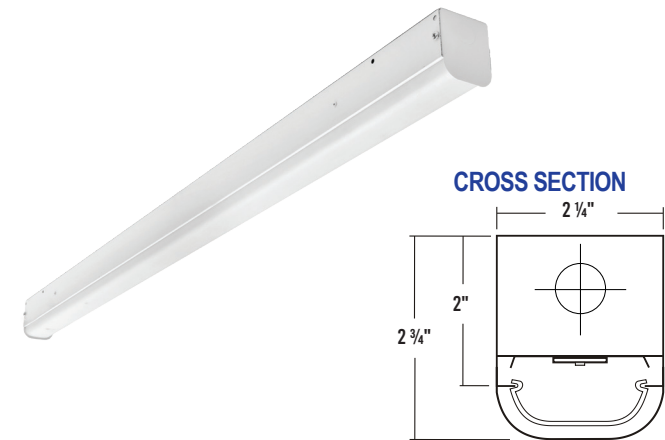


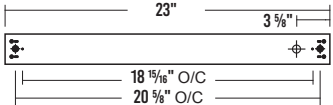
JOB	
TYPE	
DATE	

Surface-mounted/suspended LED strip

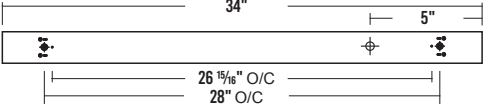


- ϕ 7/8" KO
- ϕ 1/16" Stem Mounting KO
- 3/16" Mounting KO
- V-Hook Hole

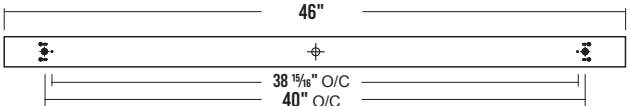
2' BACKPLATE



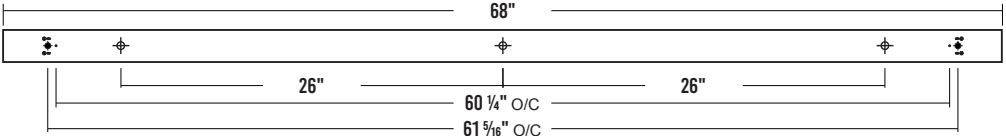
3' BACKPLATE



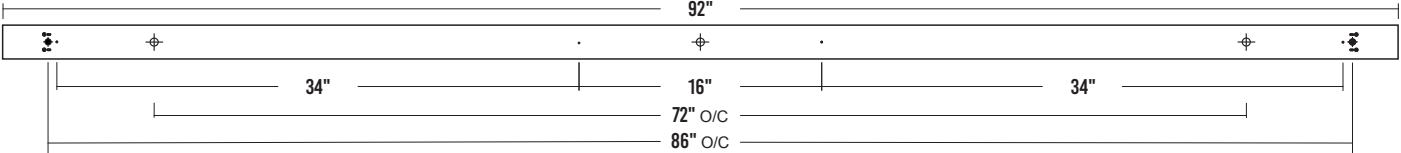
4' BACKPLATE



6' BACKPLATE



8' BACKPLATE



SPECIFICATIONS

Construction

- 22 gauge cold-rolled steel housing
- End plates fastened to housing by sheet metal screws to assure rigidity

Finish

- Baked white polyester finish
- Minimum reflectance 86%
- End plates: painted after fabrication, baked white powder-coated finish

Optical

- Frosted white acrylic lens

Electrical

- High-efficiency drivers coupled with long-life LEDs
- Service life tested at 50,000 hours (L70)
- Universal voltage 120-277V, 50-60Hz (347V, 480V available)
- Power Factor (PF) ≥ 0.9
- Total Harmonic Distortion (THD) $\leq 20\%$

Listing

- UL USA and Canada listed / suitable for damp locations

Warranty

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

APPLICATIONS

- Retail, Warehouse, Industrial, Office, Corridor, Stairwell, Parking Structure, Assembly Line, Aisle Lighting

FEATURES

- 0-10V Dimming driver standard
- Supports California Title 24 compliance
- End caps may be used as couplings for seamless row mounting on surfaces

OPTIONS

- Sensors and controls
- Cord & plug
- Custom housing colors
- Emergency battery pack
- Tunable white (2700K - 6500K)
- Plug-in branch wiring connector system
- Customization available upon request

ORDERING INFORMATION: Additional Options Available. Visit www.lalighting.com/resources for more information**EXAMPLE:** STW100-8-8L-FRWA-BPLSL1.5-DRDM-UNV-1/840

SERIES	NOMINAL LED LUMENS	NOMINAL LENGTH	COLOR	OPTICAL	CONTROLS	ELECTRICAL	DRIVER	VOLTAGE	# OF LED ROWS	CRI / CCT
STW100									1	
STW100 • 2 1/4" Wide LED Strip	1 1000lm 2 2000lm 3 3000lm 4 4000lm 5 5000lm High Efficacy 1HE 1000lm 2HE 2000lm 3HE 3000lm	2L • 2'	(Blank) • Standard White Housing BLK • Black Housing BZ • Bronze Housing	FRA • Frosted Acrylic FRWA • Frosted White Acrylic	MS(xx) • Motion Sensor • Lens Option WLC(LED RU) • Wireless Control WLC(AWNR-WH) • Lutron Athena wireless node (RF) WLC(AWNS-WH) • Lutron Athena wireless node w/sensor *Additional Lutron options on page (8) *Leave blank if not specified	BPLSL1.5 • 1500 lm Emergency Battery Pack, Slim Casing *Leave Blank if Not Specified (See Electrical Options page for more information on Plug-In Branch Wiring and Cord/Conduit Options)	DRDM • 0-10V Dimmable Driver	UNV • 120-277V, 50-60Hz	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 90CRI Also available Contact customer service for additional CRI/ CCT packages.
	1.5 1500lm 3 3000lm 4.5 4500lm 6 6000lm	3L • 3'								
	2 2000lm 4 4000lm 6 6000lm 8 8000lm 10 10000lm High Efficacy 2HE 2000lm 4HE 4000lm 6HE 6000lm	4L • 4'								
	3 3000lm 6 6000lm 9 9000lm 12 12000lm High Efficacy 3HE 3000lm 6HE 6000lm 9HE 9000lm 12HE 12000lm	6L • 6'								
	4 4000lm 8 8000lm 12 12000lm 16 16000lm 20 20000lm High Efficacy 4HE 4000lm 8HE 8000lm 12HE 12000lm	8L • 8'								
Standard options for STW100 shown above. For additional options, including lumen packages, controls, lenses, switches, finishes, and more, visit www.lalighting.com/resources or contact customer service.										



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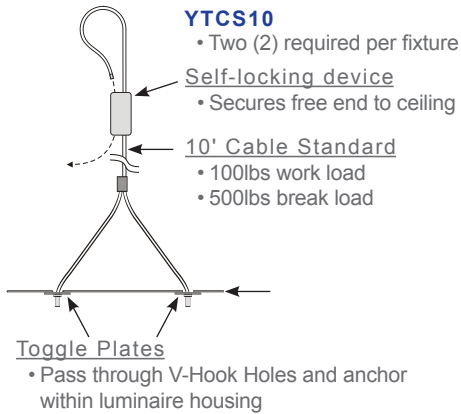
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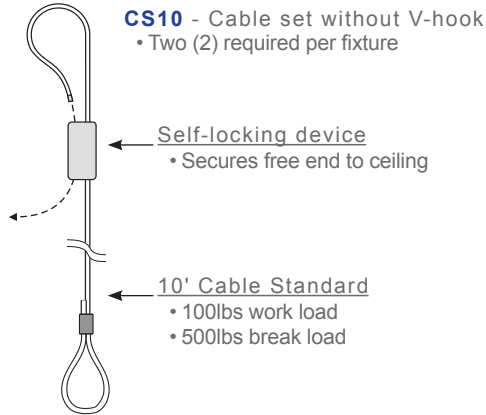


MOUNTING ACCESSORIES

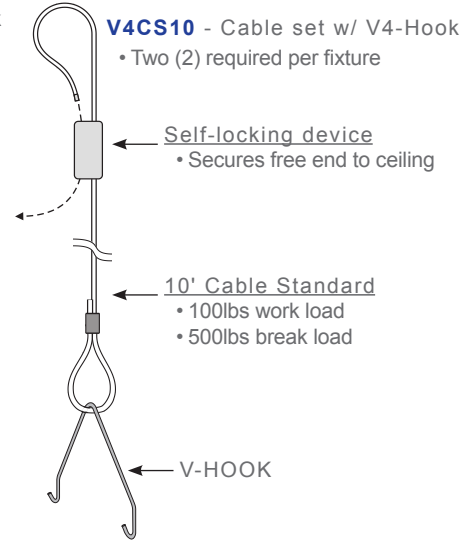
Y-TOGGLE-END / CABLE SUSPENSION SYSTEM



CABLE SUSPENSION SYSTEM

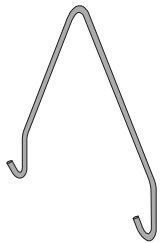


V-HOOK / CABLE SUSPENSION SYSTEM



V-HOOK

- Hooks attach to V-Hook Holes on luminaire or chain mount coupling tabs
- Two (2) required per luminaire

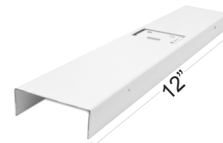


FOR FIXTURE SERIES	CAT. NO
4" LEG HEIGHT (110/200/240/500) Series	V4

CHAIN MOUNT COUPLING

- Chain mount coupling with lift-up tabs for installation of V-Hooks when chain mounted
- Baked white enamel finish

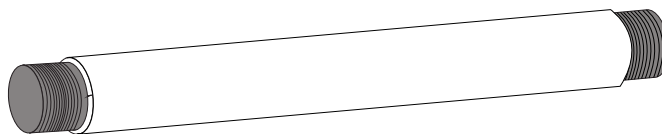
CAT. NO.	FIXTURE SERIES
CMC-STW100	STW100 (only for 4ft & 8ft fixtures)



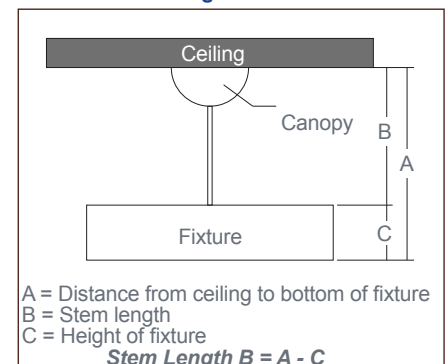
STEM (Specify Length)

- 3/8" IPS, nominal OD 5/8"
- Threaded 1" each end
- 2 lock nuts provided per stem
- Standard lengths: 6", 12", 18", 24", 30", 36", 48"
- Baked white enamel finish

Other lengths & finishes are available as specified



Stem Length Calculation



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MOUNTING ACCESSORIES

CANOPY / CABLE SUSPENSION SYSTEM

- Self-locking, one-step adjustable suspension device with canopy



433B

- Canopy with cable
- No power cord
- Cable length 48" and 96"
- Max. Weight 196 lbs.

433B-48 W

COLOR

- W** - White
- B** - Black

CABLE LENGTH

- 48** - 48 inches
- 96** - 96 inches
- (other lengths as specified)



444F

- Feed-in canopy with straight cord
- Includes power cord
- Cable length 48" and 96"
- Max. Weight 196 lbs

444F-48W-2C

OF CIRCUITS

- 2C** - Two circuits
- LV** - 0-10V dimming
- Blank** - One circuit

COLOR

- W** - White
- B** - Black

CABLE LENGTH

- 48** - 48 inches
- 96** - 96 inches
- (other lengths as specified)

ELECTRICAL

PLUG-IN BRANCH WIRING CONNECTOR SYSTEM

- For wiring through fixture channel in single or multiple circuits
- Low-voltage for dimming available
- 12 gauge wire
- Quick connect plugs for easy installation
- Contact customer service for additional options

PIW1 LV

CONTROL WIRES

- Blank** - Leave blank if not specified
- LV** - Low Voltage for 0-10V or other controls

OF CIRCUITS

- PIW1** - One Circuit
- PIW2** - Two Circuits

CORD & PLUG

CP

515P

6

E

LOCATION

- E** End of fixture
- T** Top of fixture
- A** Access Plate

LENGTH

Contact customer service for custom lengths

- 6** 6ft cord
- 10** 10ft cord

PLUG

- 515P*** NEMA 5-15P, straight blade, 120V, 15A
(For wet location applications if installed in a waterproof enclosure)
- L515P** NEMA L5-15P, locking blade, 120V, 15A
- L515PWL*** NEMA 4x L5-15P, wet location, locking blade, 120V 15A
(Contact customer service to specify plug manufacturer)
- L520P** NEMA L5-20P, locking blade, 120V, 20A
- L715P** NEMA L7-15P, locking blade, 277V, 15A
(For wet location applications if installed in a waterproof enclosure)
- L715PWL*** NEMA 4x L7-15P, wet location, locking blade, 277V, 15A
(Contact customer service to specify plug manufacturer)
- L720P** NEMA L7-20P, locking blade, 277V, 20A
- L820P** NEMA L8-20P, locking blade, 480V, 20A

CORD & PLUGS

Contact customer service for custom options

- CP** Cord 18 gauge 3-wire
Black outer jacket
JT type for 120-277V / ST type for 480V

*Consult local building codes
for specific wet location
installation requirements



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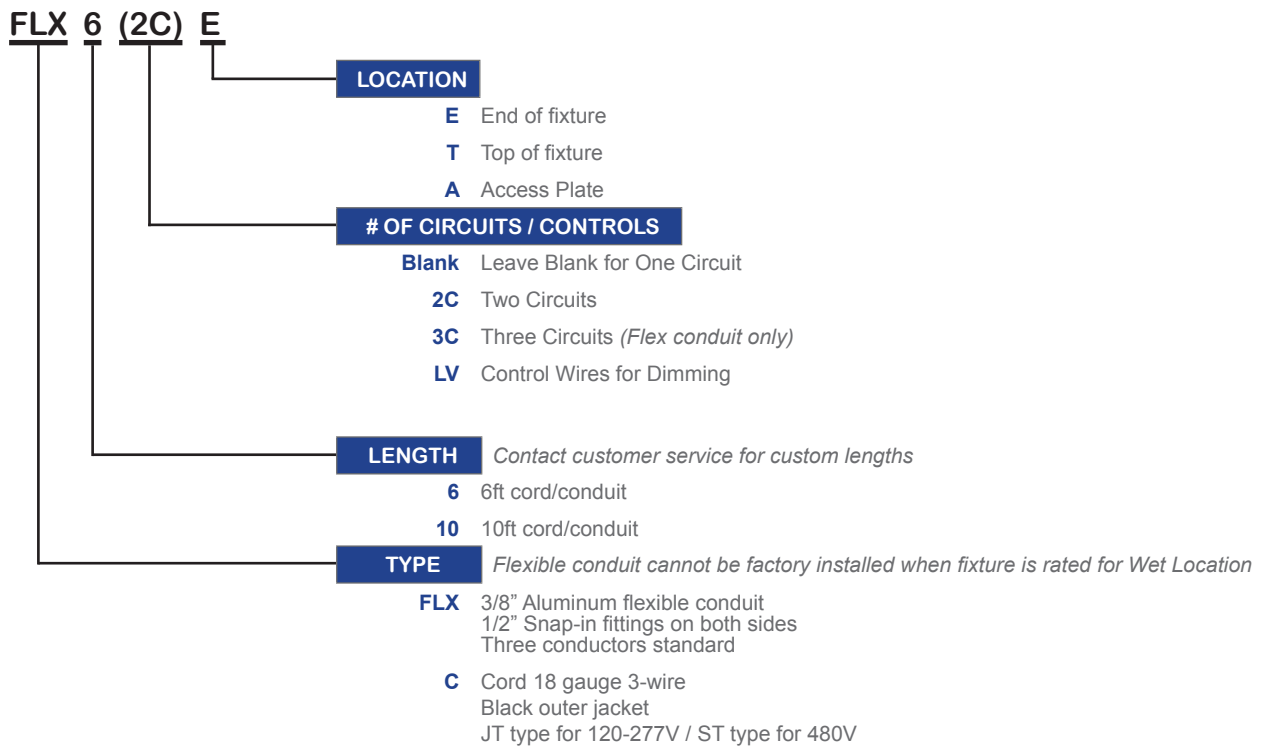
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ELECTRICAL

CORD & FLEXIBLE CONDUIT OPTIONS



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SYSTEM DATA: Additional Lumen Packages Available. Contact Customer Service for More Information

2' Normal Ambient Temperature

2' - LED LUMEN PACKAGE	NORMAL AMBIENT TEMPERATURE PRODUCT CODE	DELIVERED LUMENS	SYSTEM WATTS	LUMINAIRE EFFICACY	AMBIENT TEMP.	FLUORESCENT EQUIVALENT	IES FILES
1000 Lumens (Nominal)	STW100-1-2L-FRWA-DRDM-UNV-1/840	1002	7.5	133.6 lm/W	-20°C / 35°C (-4°F / 95°F)	1x F17T8	*
2000 Lumens (Nominal)	STW100-2-2L-FRWA-DRDM-UNV-1/840	1644	12.7	129.1 lm/W	-20°C / 35°C (-4°F / 95°F)	1x F24T5HO 2x F17T8	*
3000 Lumens (Nominal)	STW100-3-2L-FRWA-DRDM-UNV-1/840	2574	20.9	123.2 lm/W	-20°C / 35°C (-4°F / 95°F)	3x F17T8	*
4000 Lumens (Nominal)	STW100-4-2L-FRWA-DRDM-UNV-1/840	3189	26.5	120.2 lm/W	-20°C / 35°C (-4°F / 95°F)	2x F24T5HO 4x F17T8	*
5000 Lumens (Nominal)	STW100-5-2L-FRWA-DRDM-UNV-1/840	4235	33.6	126.2 lm/W	-20°C / 35°C (-4°F / 95°F)	5x F17T8	*

2' Normal Ambient Temp High Efficacy

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)	STW100-1HE-2L-FRWA-DRDM-UNV-1/840	1017	7.4	137.3 lm/W	-20°C / 35°C (-4°F / 95°F)	1x F17T8	*
2000 Lumens (Nominal)	STW100-2HE-2L-FRWA-DRDM-UNV-1/840	1676	12.5	134.4 lm/W	-20°C / 35°C (-4°F / 95°F)	1x F24T5HO 2x F17T8	*
3000 Lumens (Nominal)	STW100-3HE-2L-FRWA-DRDM-UNV-1/840	2649	20.2	130.9 lm/W	-20°C / 35°C (-4°F / 95°F)	3x F17T8	*

3' Normal Ambient Temperature

3' - LED LUMEN PACKAGE	NORMAL AMBIENT TEMPERATURE PRODUCT CODE	DELIVERED LUMENS	SYSTEM WATTS	LUMINAIRE EFFICACY	AMBIENT TEMP.	FLUORESCENT EQUIVALENT	IES FILES
1500 Lumens (Nominal)	STW100-1.5-3L-FRWA-DRDM-UNV-1/840	1378	10.0	137.8 lm/W	-20°C / 35°C (-4°F / 95°F)	1x F25T8	*
3000 Lumens (Nominal)	STW100-3-3L-FRWA-DRDM-UNV-1/840	2703	20.4	132.3 lm/W	-20°C / 35°C (-4°F / 95°F)	1x F39T5HO 2x F25T8	*
4500 Lumens (Nominal)	STW100-4.5-3L-FRWA-DRDM-UNV-1/840	3670	28.6	128.4 lm/W	-20°C / 35°C (-4°F / 95°F)	3x F25T8	*
6000 Lumens (Nominal)	STW100-6-3L-FRWA-DRDM-UNV-1/840	4923	39.8	123.7 lm/W	-20°C / 35°C (-4°F / 95°F)	2x F39T5HO 4x F25T8	*

4' Normal Ambient Temperature

4' - LED LUMEN PACKAGE	NORMAL AMBIENT TEMPERATURE PRODUCT CODE	DELIVERED LUMENS	SYSTEM WATTS	LUMINAIRE EFFICACY	AMBIENT TEMP.	FLUORESCENT EQUIVALENT	IES FILES
2000 Lumens (Nominal)	STW100-2-4L-FRWA-DRDM-UNV-1/840	1695	12.4	136.3 lm/W	-20°C / 35°C (-4°F / 95°F)	1x F32T8	*
4000 Lumens (Nominal)	STW100-4-4L-FRWA-DRDM-UNV-1/840	3327	25.5	130.6 lm/W	-20°C / 35°C (-4°F / 95°F)	1x F54T5HO 2x F32T8	*
6000 Lumens (Nominal)	STW100-6-4L-FRWA-DRDM-UNV-1/840	4899	39.0	125.6 lm/W	-20°C / 35°C (-4°F / 95°F)	3x F32T8	*
8000 Lumens (Nominal)	STW100-8-4L-FRWA-DRDM-UNV-1/840	6430	53.0	121.2 lm/W	-20°C / 35°C (-4°F / 95°F)	2x F54T5HO 4x F32T8	*
10000 Lumens (Nominal)	STW100-10-4L-FRWA-DRDM-UNV-1/840	8251	64.4	128.1 lm/W	-20°C / 35°C (-4°F / 95°F)	5x F32T8	*

4' Normal Ambient Temp High Efficacy

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)	STW100-2HE-4L-FRWA-DRDM-UNV-1/840	1723	12.3	140.2 lm/W	-20°C / 35°C (-4°F / 95°F)	1x F32T8	*
4000 Lumens (Nominal)	STW100-4HE-4L-FRWA-DRDM-UNV-1/840	3390	24.9	136.3 lm/W	-20°C / 35°C (-4°F / 95°F)	1x F54T5HO 2x F32T8	*
6000 Lumens (Nominal)	STW100-6HE-4L-FRWA-DRDM-UNV-1/840	5034	37.8	133.3 lm/W	-20°C / 35°C (-4°F / 95°F)	3x F32T8	*



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SYSTEM DATA: Additional Lumen Packages Available. Contact Customer Service for More Information

6' Normal Ambient Temp	6' - LED LUMEN PACKAGE	NORMAL AMBIENT TEMPERATURE PRODUCT CODE	DELIVERED LUMENS	SYSTEM WATTS	LUMINAIRE EFFICACY	AMBIENT TEMP.	FLUORESCENT EQUIVALENT	IES FILES
	3000 Lumens (Nominal)	STW100-3-6L-FRWA-DRDM-UNV-1/840	2755	20.0	138.1 lm/W	-20°C / 35°C (-4°F / 95°F)	2x F25T8 3x F17T8	*
	6000 Lumens (Nominal)	STW100-6-6L-FRWA-DRDM-UNV-1/840	5079	38.2	133.0 lm/W	-20°C / 35°C (-4°F / 95°F)	2x F39T5HO 6x F17T8	*
	9000 Lumens (Nominal)	STW100-9-6L-FRWA-DRDM-UNV-1/840	7339	57.2	128.3 lm/W	-20°C / 35°C (-4°F / 95°F)	6x F25T8	*
	12000 Lumens (Nominal)	STW100-12-6L-FRWA-DRDM-UNV-1/840	9846	79.6	123.7 lm/W	-20°C / 35°C (-4°F / 95°F)	4x F39T5HO 12x F17T8	*
6' Normal Ambient Temp High Efficacy	6' - LED LUMEN PACKAGE	NORMAL AMBIENT TEMPERATURE (HIGH EFFICACY) PRODUCT CODE	DELIVERED LUMENS	SYSTEM WATTS	LUMINAIRE EFFICACY	AMBIENT TEMP.	FLUORESCENT EQUIVALENT	IES FILES
	3000 Lumens (Nominal)	STW100-3HE-6L-FRWA-DRDM-UNV-1/840	2459	17.2	143.2 lm/W	-20°C / 35°C (-4°F / 95°F)	2x F25T8 3x F17T8	*
	6000 Lumens (Nominal)	STW100-6HE-6L-FRWA-DRDM-UNV-1/840	5175	37.3	138.7 lm/W	-20°C / 35°C (-4°F / 95°F)	2x F39T5HO 6x F17T8	*
	9000 Lumens (Nominal)	STW100-9HE-6L-FRWA-DRDM-UNV-1/840	7518	55.4	135.7 lm/W	-20°C / 35°C (-4°F / 95°F)	6x F25T8	*
	12000 Lumens (Nominal)	STW100-12HE-6L-FRWA-DRDM-UNV-1/840	9830	73.7	133.4 lm/W	-20°C / 35°C (-4°F / 95°F)	4x F39T5HO 12x F17T8	*
8' Normal Ambient Temp	8' - LED LUMEN PACKAGE	NORMAL AMBIENT TEMPERATURE PRODUCT CODE	DELIVERED LUMENS	SYSTEM WATTS	LUMINAIRE EFFICACY	AMBIENT TEMP.	FLUORESCENT EQUIVALENT	IES FILES
	4000 Lumens (Nominal)	STW100-4-8L-FRWA-DRDM-UNV-1/840	3482	24.9	139.9 lm/W	-20°C / 35°C (-4°F / 95°F)	2x F32T8	*
	8000 Lumens (Nominal)	STW100-8-8L-FRWA-DRDM-UNV-1/840	6833	50.9	134.1 lm/W	-20°C / 35°C (-4°F / 95°F)	2x F54T5HO 4x F32T8	*
	12000 Lumens (Nominal)	STW100-12-8L-FRWA-DRDM-UNV-1/840	10089	78.0	129.3 lm/W	-20°C / 35°C (-4°F / 95°F)	6x F32T8 2x F96T8HO	*
	16000 Lumens (Nominal)	STW100-16-8L-FRWA-DRDM-UNV-1/840	13247	106.1	124.8 lm/W	-20°C / 35°C (-4°F / 95°F)	4x F54T5HO 8x F32T8	*
8' Normal Ambient Temp High Efficacy	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)	STW100-4HE-8L-FRWA-DRDM-UNV-1/840	3538	24.6	143.89 lm/W	-20°C / 35°C (-4°F / 95°F)	2x F32T8	*
	8000 Lumens (Nominal)	STW100-8HE-8L-FRWA-DRDM-UNV-1/840	6622	47.2	140.4 lm/W	-20°C / 35°C (-4°F / 95°F)	2x F54T5HO 4x F32T8	*
	12000 Lumens (Nominal)	STW100-12HE-8L-FRWA-DRDM-UNV-1/840	10003	72.8	137.3 lm/W	-20°C / 35°C (-4°F / 95°F)	6x F32T8 2x F96T8HO	*

NOTE:

System data as of 5/28/25 (K-Boards).

Luminaire efficiency: 2ft - 78.6%, 3ft - 80.9%, 4ft - 79.5%, 6ft - 80.9%, 8ft - 81.7%

Subject to change without notice.

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 properly, 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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