

SS-FW LED

Project Name:

Type:



CASAMBI

APPLICATION

The LED linear lowbay integrated with multiple mounting types is an efficient alternative to fluorescent lighting that enhances any commercial or industrial space. Low profile design offers easy handling and storage. This linear lowbay is suitable for storage areas, displays, institutions, industrial, retail shops, and other commercial applications.

FEATURES:

- Die-formed steel channel with knock-outs for versatile configuration and simple mounting.
- 0.055" thickness acrylic frosted lens. Slide-in design.
- 1pc lens for 8ft housing.
- Finish is high-gloss baked white enamel over rust inhibiting phosphate coating for maximum corrosion resistance.

MOUNTING:

- Fixture is wall or surface mounted, or suspended mounted with chains, stems or cables.
- Rotatable mounting bracket is optional.
- Compatible with most ceiling types.

LED:

- High quality array LEDs.
- LM80
- Color Temperature: 2700/3000/3500/4000/5000 (K)
- Color Rendering Index: > 82.8
- Calculated L70: 122,000 hours
- Reported L70: +60,000 hours

ELECTRICAL:

- High power factor electronic driver, operate from a 120 ~ 277 Vac input range, 50 / 60 Hz.
- Features included over voltage protection, surge, short circuit protection and over load protection.
- Power Factor: typical > 0.95, THD <20, meets Class1 or Class2 circuit.
- Generic : 0-10V 10% dim. (GR)
- Operating temperature: -4°F (-20°C) ~ 122°F (50°C).

<ESRN>

- UL924 Emergency Bypass Shunt Load Relay.
- Automatically turns on emergency egress lighting to full power/light output on loss of normal power, until normal power is restored.
- 120-277VAC, operating temp: -30°F (-34°C) to 140°F (60°C).

LISTING:

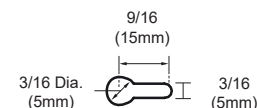
- UL/CUL listed and labeled.
- Listed to UL 1598 and UL 8750.
- Suitable for damp locations.
- ADA compliant (less than 4" off wall).
- CEC Compliant EM (please contact for more information)
- ARRA compliant (optional).
- BAA compliant (optional).
- Trade Agreements Act compliant (optional).
- 5 years warranty.
- 7 or 10 years limited warranty. (optional) ⁴
- Bluetooth Mesh System available, please contact factory for more information.

Specifications: SS-FW-4

Weight: 6.5 lbs (3.5 kg)

Specifications: SS-FW-8

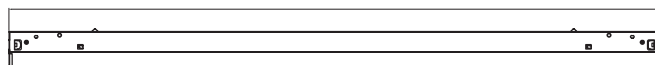
Weight: 13 lbs kg



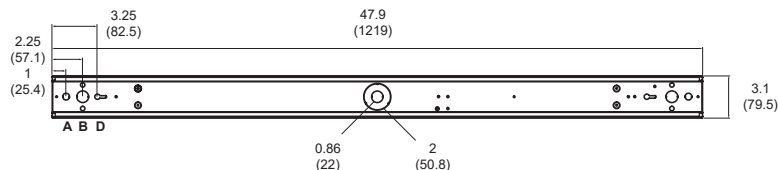
Surface Mount

A : 11/16 (17mm) Dia.
B : 7/8 (22mm) Dia.
D : 3/16 (5mm) Dia.

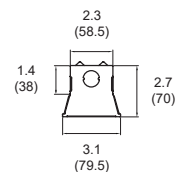
SS-FW-4

47.9
(1219)

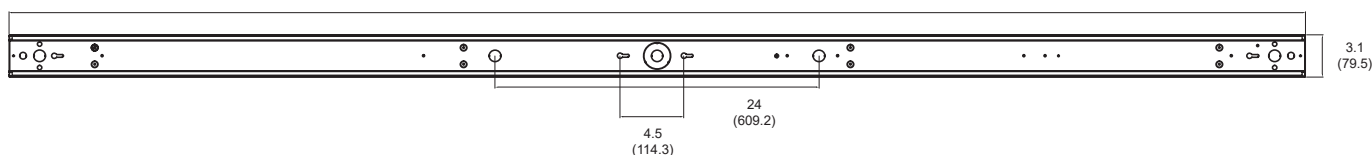
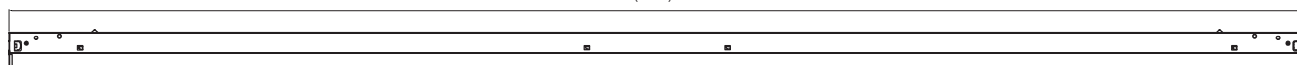
SIDE VIEW



TOP VIEW



SS-FW-8

95.9
(2436)

SS-FW LED

ORDERING INFORMATION

EXAMPLE: SS-FW-4-L54-40K-UNV-FW

MODEL	LENGTH			LED	COLOR TEMP.		EFFICACY		CRI	
SS-FW	4	4' Length	(Blank) Wiring for Individual mount (Std.)	L27 27W LED L36 36W LED L54 54W LED L72 72W LED 14000LM 14,000 Lumen	-27K 2700K ⁶ -30K 3000K -35K 3500K -40K 4000K (Std.) -50K 5000K		(Blank) HE	Standard High Efficacy 	(Blank) C9	80+ CRI 90+ CRI ⁷
	8	8' Length ¹	CON Wiring for Continuous mount (Specify row/length and number of power feed)	L27 27W LED L36 36W LED L54 54W LED L72 72W LED L108 108W LED L144 144W LED						

¹ Number of circuit(s) should be determined by the customer prior to ordering the continuous run considering the AC input voltage and total run wattage.

⁶ Contact factory for custom wattage or lumen requirement. ³

VOLTAGE ⁹		MOUNTING		FIXTURE FINISH		CORD FINISH (for pendant)		CANOPY FINISH (for pendant)	
UNV 120-277V (Std.) 120V 277V 347V 480V		(Blank) IDS RB VH CHxx ACxx YCxx SH-3/8-xx SH-1/2-xx	Direct ceiling / Wall mount T-Bar Clip for Surface Mount Ceiling / Wall mount with rotatable bracket V-Hook Chain for use with V-hook (xx=length) Adjustable Aircraft Cable w/ Canopy (* xx = Specify length (48 or 96)) Adjustable Aircraft Y-cable with Toggles (* xx = Specify length in inches (60, 120, 180)) (Cord not included) 3/8" IPS STEM w/ Canopy 1/2" IPS STEM w/ Canopy (* xx = 18, 24, 36, 48 inches)	(Blank) *BK *CC *AMB	Semi-Glossy White (Std.) Black (RAL#9011) Custom Color ¹⁰ Anti-Microbial Coating (Matte Skye White)	(Blank) *BKC	White (Std.) Black	(Blank) *BC *SC *CSS	White (Std.) Black Canopy Silver Canopy Custom Canopy Color (White is Std.)

* Non-standard finish with extra charge.
** Additional charge & set up fee.

CEILING TYPE (for pendant)		SUSPENSION LENGTH		LED DRIVER ⁵		DIFFUSER	
X1 15/16" grid T-bar ceiling X2 Hard ceiling X3 Sloped Hard ceiling X4 9/16" T-bar ceiling X5 9/16" Screw Slot ceiling		AC48 AC96 ST24 ST48	Adjustable Aircraft Cable Canopy 48"L Adjustable Aircraft Cable Canopy 96"L Stem Canopy 24"L Stem Canopy 48"L	GR DM1 SD40 SDXX TDM TD30/70 TDXX/YY EC ES566 LDE1 ELV PHSR PHDL ND ED560	Generic, 0-10V 10% dim (Std.) Generic 0-10V 1% dim 40% / 100% Bi-Level Step dim XX% / 100% Bi-Level Step dim (Specify XX : 10% ~ 70%) Triac Dim. (120V only) 30% / 70% / 100% Tri-Level Step dim XX% / YY% / 100% Tri-Level Step dim (Specify XX, YY : 10% ~ 70%) eldoLED ECOdrive 0-10V natural dim to 1% (Hybrid HydraDrive) eldoLED SOLOdrive Natural Dimming to dark, 0-10V, 100% ~ 0.1% dim Hi-lume 1% EcoSystem LED driver with Soft-on, Fade-to-Black dimming technology, 100% ~ 1% dim ELV compatible (reverse-phase or trailing-edge), (120V only) Philips Xitanium Sensor-Ready, Dali 5%~100% dim Philips Xitanium DALI driver, Dim to 5% Driver prewired for non-dimming applications eldoLED LightShape DALI dim to dark, 0.1% ~ 100%	FW PC	Flat wide frosted acrylic lens Flat wide frosted polycarbonate lens

* Contact factory for custom length.

 BLT Bluetooth Mesh System (contact factory for more information)

SS-FW LED

OPTIONS		SENSOR	
EMG8	8W EM Battery Backup (CEC Compliant EM) ^{2,9}	MS	PIR Occupancy sensor
EMG15	15W EM Battery Backup (CEC Compliant EM) ^{2,9}	EFS01RE	PIR Occupancy sensor with daylight harvesting and bi-level dimming (Default setting: Motion -->100%, No Motion >= 5min --> dlm to 30%, No Motion >= 60min --> off)
EMG20	20W EM Battery Backup (CEC Compliant EM) ^{2,9}		Remote programmer for EFS01RE sensor
EMG25	25W EM Battery Backup (CEC Compliant EM) ^{2,9}	RM51	Bluetooth PIR occupancy dimming sensor
ESRN	UL924 Emergency Bypass Shunt Load Relay, 120-277VAC ^{11,12}	EFS104	
ESRNTB	Remote Test Button for ESRN ⁷		
ARRA	Assembled in USA		
BAA	BAA(Buy American Act) compliant		
BABA	BABA(Build America Buy America) compliant ¹³		
TAA	Trade Agreements Act compliant		
O7W	Optional 7 Years Limited Warranty ⁴		
O10W	Optional 10 Years Limited Warranty ⁴		
COC	Separated EM feed for City of Chicago code compliance 6FT		
CS6-18/5-BK	18/5 black cord pre-installed		

* Please contact factory for Bluetooth control with sensor and other options

LIGHTING CONTROL SYSTEM	
VIVE	<Lutron>
ATHENA	Lutron Vive Bluetooth ready options, please contact factory. Lutron Athena Bluetooth ready options, please contact factory.
SNS200C	<EasySense>
RS-IR	EasySense Ceiling-mount occupancy sensing, daylight harvesting and task tuning in one device (Must be ordered with PHSR driver) ⁸ IR dongle v2.0 for EasySense control
AUTANI	<Bluetooth>
CASAMBI	Autani / Keiltron Bluetooth control ready options.
AVI-ON	Casambi Bluetooth control ready options. Avi-On Bluetooth control ready options.

* Please contact factory for Bluetooth control with sensor and other options

NOTES:

1. One-piece 8ft housing with one-piece 8ft lens.
2. Contact factory for other emergency ballast options.
3. Custom wattage products are not DLC qualified.
4. This limited warranty covers electrical parts only and does not apply to labor, equipment lease, or defect from improper installation or operation. (EM battery backup does not included)
5. To find an approved dimmer switch, please see table 1.
6. Available with C9 (90+ CRI) only.
7. Lumen per watt is around 15% less than standard CRI (80+).
8. Refer to Advanced Grouping Datasheet for its default setting and compatible wireless switches.
9. Emergency Ballast options are not available with 347V or 480V.
10. Refer to color charts (RAL and/or Cardinal) in the separate attachment.
11. Shipped separately.
12. @120/277VAC Max. 16 Amp. LED
13. Not all configurations may comply. Please check with factory.

SS-FW LED

CONFIGURATIONS

Series	Size	Model #	AC Input	Lumen Output (4000K)	Lumen Efficiency (4000K)
SS-FW	4FT	L27	29.9W	3292 lm	110.1 lm/W
		L36	39.33W	4330.2 lm	
		L54	57.36W	6315.3 lm	
		L72	76.48W	8420.4 lm	
	8FT	L27	29.9W	3292 lm	
		L36	39.33W	4330.2 lm	
		L54	57.81W	6315.3 lm	
		L72	78.2W	8420.4 lm	
		L108	105.4W	11604.5 lm	
		L144	140.53W	15472.3 lm	

OUTPUT CURRENT

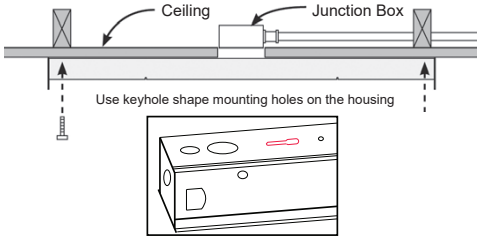
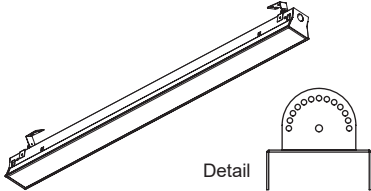
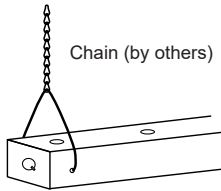
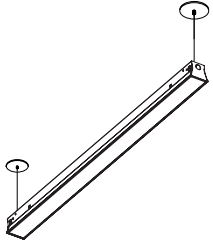
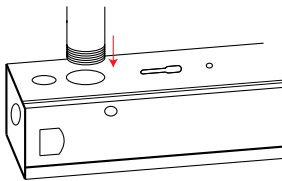
		Bi-Level		Tri-Level (Default)	
SW1	SW2	Config Range	Default	Config Range	Default
Close	Open	10% - 70%	40%	10% - 70%	30%
Open	Close	10% - 70%	40%	10% - 70%	70%
Close	Close	100%	100%	100%	100%
Open	Open	0%	0%	0%	0%

COMPATIBLE DIMMER SWITCH (TABLE 1)

Model #	Brand	Compatible Dimmer Switch	
GR, PH	Philips Xitanium	<Leviton>	IlumaTech IP7 series
		<Lutron>	Visit www.lutron.com/advance for a list of dimmers (Mark VII) that will work with this driver.
		<Philips>	Sunrise : SR1200ZTUNV
OS, OS1	Osram Optotronic	<Osram>	ZBHA-CLM DIM (NAMED: 45678), 45561 - LC-SL3W-TVWBX/UNV
		<Encelium EMS>	EN-LCM-1R10V-GB2-BK, EN-LCM-1R10V-GB2-BK/DR, EN-ALC-1R10V-GB2-BK, EN-ALC-1R10V-GB2-BK-DR
		<Leviton>	IP710-DLX
		<Lutron>	DVTV-XX
		<Wattstopper>	ADF-120277, FD-301, FSP-202
		<Synergy>	ISD BC
ES566	eldoLED SOLOdrive	<Busch-Jaeger>	2112U-101
		<Jung>	240-10
		<Leviton>	IlumaTech - IP710-DLX
		<Lighttoller Controls>	ZP600FAM120
		<Merten>	5729
		<Pass & Seymour>	CD4FB-W
		<Wattstopper>	DCLV1
		<Sensor Switch>	nIO EZ
		<Synergy>	ISD BC
		<ABB>	SD/S 2.16.1
		<Lutron>	Nova T: NTFTV Diva - DVTV-xx, NFTV GRAFIK Eye: GRX-TVI w GRX3503 Energy Savr Node: QSN-4T16-S TVM2 Module
		<Crestron>	GLX-DIMFLV8, GLXP-DIMFLV8, GLPAC-DIMFLV4*, GLPAC-DIMFLVV8*, GLPP-DIMFLVEX-PM, GLPP-1DIMFLV2EX-PM, GLPP-1DIMFLV3EX-PM, DIN-AO8, DIN-4DIMFLV4, CLS-EXP-DIMFLV, CLCI-1DIMFLV2EX
ED560	eldoLED DUALdrive	<Lunatone>	SS-LUNAT PS2 30mA, SS-LUNAT Touch or BT, SS-LUNAT Comm
LDE1	Lutron Hi-lume 1% EcoSystem	<Lutron>	PowPak Dimming Modules: RMJ-ECO32-DV-B, FCJ/FCJS-ECO 1.2 Energi Savr Node (120V only): QSN-1ECO-S, QSN-2ECO-S GRAFIK Eye QS/Homeworks QS control unit (120V only): QSGRJ-_E(wireless) QSGR-_E Quantum Hub (120V only): QP2-_2C/4C/6C/8C Homeworks QS/myRoom Plus power module (120V only): LQSE-2ECO-D
PHSR 3	Philips Xitanium Sensor-Ready	<Ilumra>	Single Rocker Self-Powered Light Switch (on/off, dim-up/down) Ilumra# ZBT-S1AWH Digi-Key# 1082-1033-ND Dual Rocker Self-Powered Light Switch (on/off, dim-up/down, scene1,2) Ilumra# ZBT-S2AWH Digi-Key# 1082-1034-ND
TDM	KEystone	<Lutron>	Diva DV-600P, SkyLark S-600P, Ariadni AY-600P, Ariadni TG-603P, Maestro MA-600 (Digital), Diva CFL/LED DVCL-153P, Satin Colors DVSC-600P-SW
		<Leviton>	6641, IlumaTech IPI06-1LX, ToggleTouch TGI06-1LW (Digital)
ELV	KEystone	<Lutron>	MAELV-600BL (Digital), DVELV-300P, SkyLark SELV-300P

NOTES:

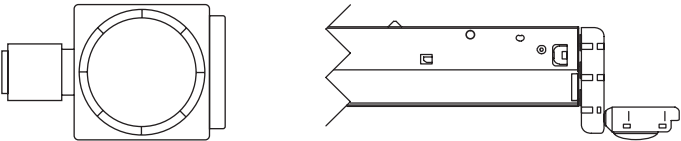
- All devices connected to one FCJ/FCJS-ECO will be controlled together. Devices will dim to the same level as the result of a control command.
For more detail on adjusting low-end light level refer to Application Note#556 at www.lutron.com.
- For the Line/Hot (L/H) terminal on the driver, it is preferred not to use the switched hot (red) wire from the control but rather the hot wire directly from the power source.
- Recommended for EasySense System.

Mounting Options	Image	Ordering Code
Surface Mount (Ceiling / Wall)	 Use keyhole shape mounting holes on the housing	(Blank)
With RB mounting bracket (fixture 2.5" extended from wall)	 Detail	RB
V-hook for Chain Mount	 Chain (by others)	VH
Adjustable Cable Mount		ACxx xx = Length of Cable (48 or 96 inches)
Stem Mount (w/ Canopy)		w/ Canopy HOLE A : 3/8" IPS STEM [Example : SH-3/8-xx(length)] HOLE B : 1/2" IPS STEM [Example : SH-1/2lxx(length)] xx = 18, 24, 36, 48 (inches)
T-Bar Surface Mount		IDS

* Cable / Stem mount provided with canopy set

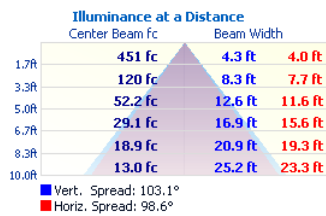
MS (* This is an example of how the Motion Sensor is mounted externally. The actual sensor may not reflect the drawing.)

Motion Sensor

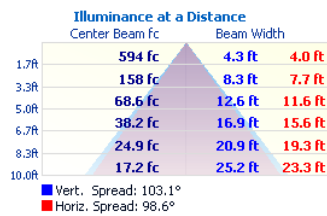


SS LED

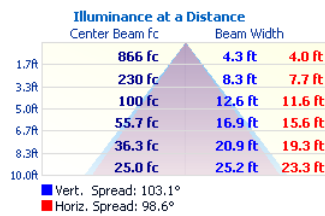
SS-FW-4-L27



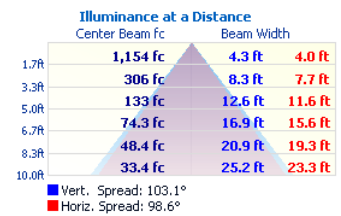
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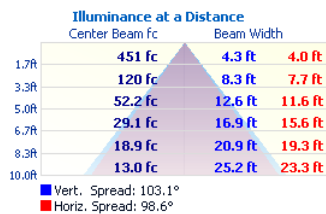
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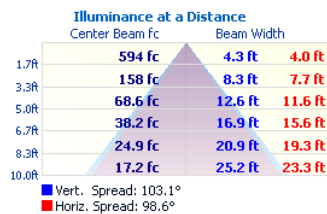
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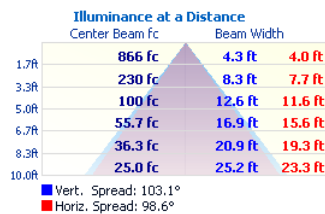
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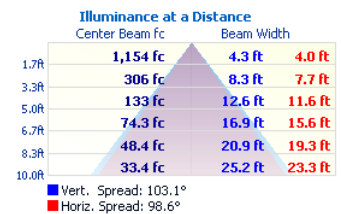
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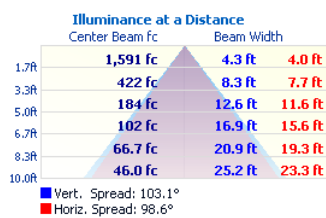
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SS-FW-8-L72



SS-FW-8-L108



SS-FW-8-L144

