Revised: 2.24.2025

SS-FW LED

Project Name:	
Type:	

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).

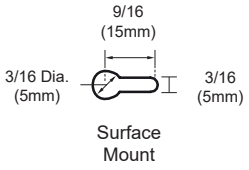
- <ELCU-200>
- Guarantees emergency lighting remains ON or is turned on when power to the control device is lost.
- Interfaces with fire alarm panel or security system.
- "Watchdog" feature allows emergency loads to be controlled in tandem with normal power loads.
- UL listed for use in emergency circuits.

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)

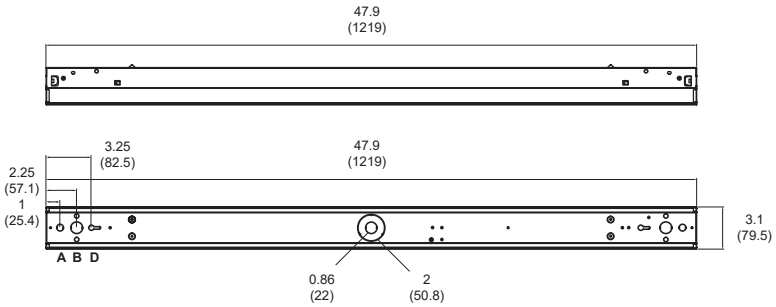
Specifications: SS-FW-8
Weight: 13 lbs kg)

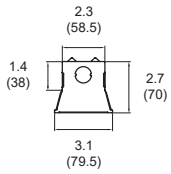


Surface Mount

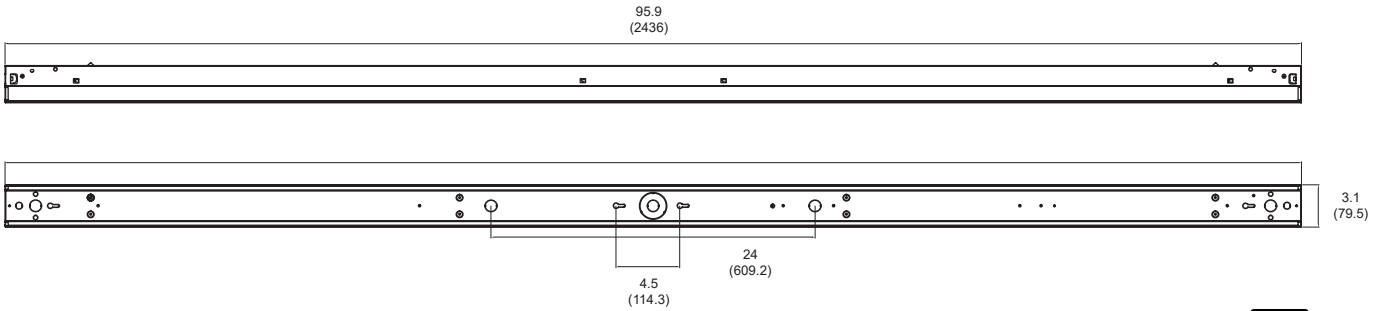
A : 11/16 (17mm) Dia.
B : 7/8 (22mm) Dia.
D : 3/16 (5mm) Dia.

SS-FW-4





SS-FW-8



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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	**-27K**	2700K [6]	**(Blank)**	Standard	**(Blank)**	80+ CRI
				L36	36W LED	**-30K**	3000K	**HE**	High Efficacy 10%	**C9**	90+ CRI [7]
				L54	54W LED	**-35K**	3500K				
				L72	72W LED	**-40K**	4000K (Std.)				
	8	8' Length [1]	**CON** Wiring for Continuous mount (Specify row/length and number of power feed)	**L27**	27W LED	**-50K**	5000K				
				L36	36W LED						
				L54	54W LED						
				L72	72W LED						
				L108	108W LED						
				L144	144W LED						

* 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.

* Contact factory for custom wattage or lumen requirement. [3]

* Non-standard finish with extra charge.

VOLTAGE		MOUNTING		FIXTURE FINISH		CORD FINISH (for pendant)		CANOPY FINISH (for pendant)	
UNV	120-277V (Std.)	**(Blank)**	Direct ceiling / Wall mount	**(Blank)**	Semi-Glossy White (Std.)	**(Blank)**	White (Std.)	**(Blank)**	White (Std.)
120	120V	**IDS**	T-Bar Clip for Surface Mount	***BK**	Black (RAL#9011)	***BKC**	Black	***BC**	Black Canopy
277	277V	**RB**	Ceiling / Wall mount with rotatable bracket	****CC**	Custom Color [12]			***SC**	Silver Canopy
347	347V	**VH**	V-Hook	***AMB**	Anti-Microbial Coating (Matte Skye White)			****CSS**	Custom Canopy Color (White is Std.)
480	480V	**CHxx**	Chain for use with V-hook (xx=length)						
		ACxx	Adjustable Aircraft Cable w/ Canopy (* xx = Specify length (48 or 96))						
		SH-3/8-xx	3/8" IPS STEM w/ Canopy						
		SH-1/2-xx	1/2" IPS STEM w/ Canopy (* xx = 18, 24, 36, 48 inches)						

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

CEILING TYPE (for pendant)		SUSPENSION LENGTH		LED DRIVER		DIFFUSER	
X1	15/16" grid T-bar ceiling	**AC48**	Adjustable Aircraft Cable Canopy 48"L	**GR**	Generic, 0-10V 10% dim (Std.) [5]	**FW**	Flat wide frosted acrylic lens
X2	Hard ceiling	**AC96**	Adjustable Aircraft Cable Canopy 96"L	**DM1**	Generic 0-10V 1% dim		
X3	Sloped Hard ceiling	**ST24**	Stem Canopy 24"L	**SD40**	40% / 100% Bi-Level Step dim		
X4	9/16" T-bar ceiling	**ST48**	Stem Canopy 48"L	**SDXX**	XX% / 100% Bi-Level Step dim (Specify XX : 10% ~ 70%)		
X5	9/16" Screw Slot ceiling			**TDM**	Triac Dim. (120V only)		
				TD30/70	30% / 70% / 100% Tri-Level Step dim		
				TDXX/YY	XX% / YY% / 100% Tri-Level Step dim (Specify XX, YY : 10% ~ 70%)		
				EC	eldoLED ECOdrive 0-10V natural dim to 1% (Hybrid HydraDrive)		
				ES566	eldoLED SOLOdrive Natural Dimming to dark, 0-10V, 100% ~ 0.1% dim		
				LDE1	Hi-lume 1% EcoSystem LED driver with Soft-on, Fade-to-Black dimming technology,		
				ELV	100% ~ 1% dim ELV compatible (reverse-phase or trailing-edge), (120V only)		
				PHSR	Philips Xitanium Sensor-Ready, Dali 5%~100% dim		
				PHDL	Philips Xitanium DALI driver, Dim to 5%		
				TRIOT	Tridonic IoT ready, 1-100% dim via Smart Module Interface (SMI), automated dimming/lighting controls via Enlighted Sensor Interface		
				ND	Driver prewired for non-dimming applications		
				ED560	eldoLED LightShape DALI dim to dark, 0.1% ~ 100%		
				DIMT	Tri-mode dimming (Triac, ELV, 0-10V)		
				DMX	DMX512 control system (Only available with RGB+W option)		
				DLM	Wattstopper's DLM interface (Only available with RGB+W option)		
				DTO	0-10V dim-To-Off		
				LTEA2W	Hi-lume 1% 2-wire LED driver (120V forward phase only)		
				BLT	Bluetooth Mesh System (contact factory for more information)		

* Contact factory for custom length.

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SS-FW LED

OPTIONS		CONTROL	
EMG8	1296 LUMEN EM Battery Backup (CEC Compliant EM) [2, 11]	**MS**	PIR Occupancy sensor
EMG15	2430 LUMEN EM Battery Backup (CEC Compliant EM) [2, 11]	**EFS01RE**	PIR Occupancy sensor with daylight harvesting and bi-level dimming (Default setting: Motion -->100%, No Motion >= 5min --> dom to 30%, No Motion >= 60min --> off)
EMG25	4050 LUMEN EM Battery Backup (CEC Compliant EM) [2, 11]	**RM51**	Remote programmer for EFS01RE sensor
ELCU-200	Fail-to-on Emergency lighting, UL924 [9]	**EFS104**	Bluetooth PIR occupancy dimming sensor
ARRA	Assembled in USA for Buy American Act	**RS-LRD**	Remote programmer for LRD-509S and LRS-509S
BAA	BAA(Buy American Act) and BABA(Build America Buy America) compliant	**LOS-502S-x**	Fixture external mount PIR occupancy sensor, no dimming support, 120/277V with DIP switch setting (See note 18 to select lens for "x") [15]
TAA	Trade Agreements Act compliant	**LOD-500S-x**	Fixture external mount Bi-level 0-10V occupancy sensor with DIP switch setting (See note 18 to select lens for "x") [15]
O7W	Optional 7 Years Limited Warranty [4]	**LRD-509S-x**	Fixture external mount 0-10V SmartDIM or multi-level high/low dim control occupancy sensor (*IR remote programmable), (See note 17 to select lens for "x") [15, 16]
O10W	Optional 10 Years Limited Warranty [4]	**LRS-509S-x**	Fixture external mount Occupancy sensor control on/off daylight feature designed for all-purposes energy efficient lighting control, 120-277V (*IR remote programmable), (See note 18 to select lens for "x") [16, 17]
COC	Separated EM feed for City of Chicago code compliance		
			**Contact factory for more sensor & Bluetooth options.

LIGHTING CONTROL SYSTEM	
LUTRON VIVE	<Lutron Vive System Enabled> Click Here!
	<EasySense>
SNS200C	EasySense Ceiling-mount occupancy sensing, daylight harvesting and task tuning in one device (Must be ordered with PHSR driver) [8, 10]
RS-IR	IR dongle v2.0 for EasySense control
	<Enlighted>
SU-5E-IoT	Enlighted IoT-Ready Indoor Micro sensor with occupancy/vacancy detection, daylight harvesting, thermal sensing, task tuning, and room and zone control, Bluetooth enabled [9, 19]
SU-5E-CL	Enlighted Indoor Micro sensor with occupancy/vacancy detection, daylight harvesting, thermal sensing, task tuning, and room and zone control, Bluetooth enabled (Connected lighting sensor only)
RS-WS	Enlighted Room controller providing basic control functions of a standard wall switch with preset dimming capability
	<Bluetooth>
IFS105SE	Bluetooth Mesh Wireless Sensor. Occupancy/Daylight/0-10V Dimming
PPA102S	Bluetooth Powerpack (Consult factory for installation location)
CASAMBI	Contact factory for CASAMBI READY 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. 5000K is not available.
8. See NFC and IR manual in the separate attachment. If your phone is not compatible, please order "RS-IR" and follow the manual.
9. "RS-WS" option can be added if wish to have a wall switch, please see Enlighted Room Controller in the separate attachment.
10. Refer to Advanced Grouping Datasheet for its default setting and compatible wireless switches.
11. Emergency Ballast options are not available with 347V or 480V.
12. Refer to color charts (RAL and/or Cardinal) in the separate attachment.
13. 6 : High Mount 360º
    10 : Low Mount 360º
    50 : High Mount Aisleway
    9 : Small Motion 360º
    610 : High/Low Mount 360
    650 : High Mount 360º Aisleway
    3PK : High/Low Mount 360º
14. Refer to separate SensorSwitch page to find coverage patterns for each lens types.
15. Its default setting can be found on the IR-TEC installation instructions.
16. Order "RS-LRD" to adjust sensor setting.
17. **A**: Standard cone shape Lens @ 15' height (up to 30' coverage)
    B: Extra wide cone shape Lens @ 10' height (up to 60' coverage)
    C: High bay cone shape Lens @ 30' height (up to 90' coverage)
    D: Standard round shape Lens @ 20' height (up to 40' coverage)
    F: Extra wide dome shape Lens @ 20' height (up to 80' coverage)
    G: Aisle way arch shape Lens @ 40' height (up to 120' coverage)
18. **A**: Standard cone shape Lens @ 15' height (up to 30' coverage)
    B: Extra wide cone shape Lens @ 10' height (up to 60' coverage)
    C: High bay on shape Lens @ 30' height (up to 90' coverage)
    D: Standard round shape Lens @ 20' height (up to 40' coverage)
    F: Extra wide dome shape Lens @ 20' height (up to 80' coverage)
    G: Aisle way arch shape Lens @ 40' height (up to 120' coverage)
    H: High bay dome shape Lens @ 50' height (up to 50' coverage)
19. Must be ordered either with 0-10V LED driver or TRIOT (IoT-Ready LED driver).

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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>	IllumaTech 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>	IllumaTech - IP710-DLX
		<Lightoller 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-1EC0-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	<Illumra>	Single Rocker Self-Powered Light Switch (on/off, dim-up/down) Illumra# ZBT-S1AWH Digi-Key# 1082-1033-ND Dual Rocker Self-Powered Light Switch (on/off, dim-up/down, scene1,2) Illumra# 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, IllumaTech IPI06-1LX, ToggleTouch TGI06-1LW (Digital)
ELV	KEYSTONE	<Lutron>	MAELV-600BL (Digital), DVELV-300P, SkyLark SELV-300P
LTEA2W	Lutron Hi-lume 2-wire (120V forward voltage only)	<Lutron>	Visit http://www.lutron.com/TechnicalDocumentLibrary/369543_ENG.pdf for a list of compatible dimmer switches.

NOTES:
1. 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.
2. 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.
3. Recommended for EasySense System.

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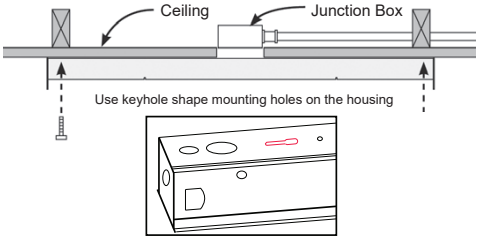
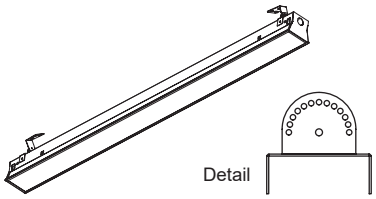
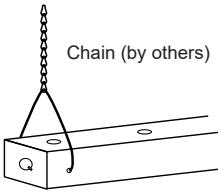
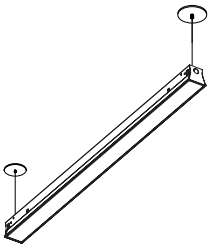
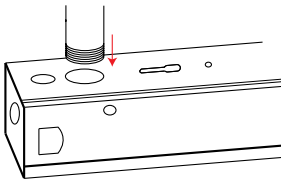
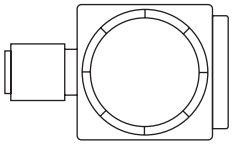
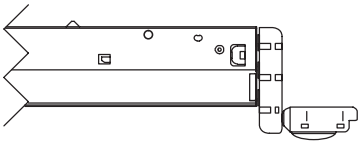
Mounting Options	Image	Ordering Code
Surface Mount (Ceiling / Wall)		(Blank)
With RB mounting bracket (fixture 2.5” extended from wall)		RB
V-hook for Chain Mount		VH
Adjustable Cable Mount		ACxx xx = Length of Cable (48 or 96 inches)
Stem Mount (w/ Canopy)		w/ Canopy HOLE A : 3/8” IPS STEM [Example : SH-3/8-xx(length)] HOLE B : 1/2” IPS STEM [Example : SH-1/2Ixx(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





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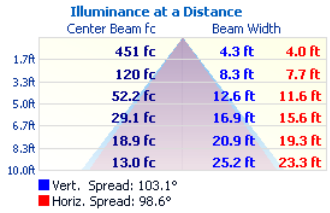
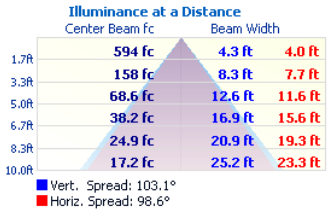
SS LED

SS-FW-4-L27



SS-FW-4-L36



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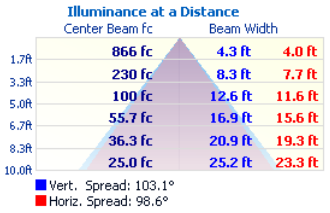

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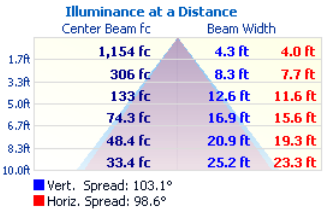
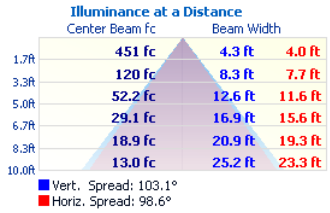
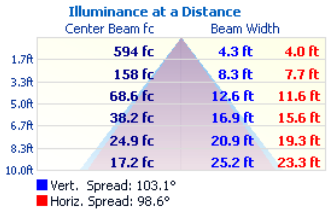


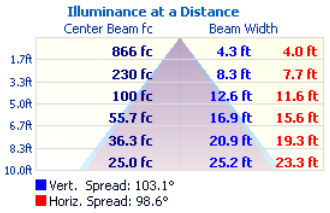
SS-FW-8-L27



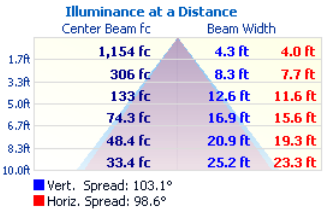
SS-FW-8-L36



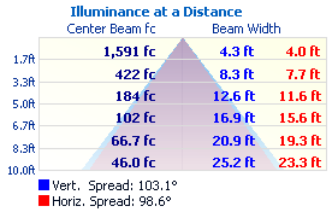
SS-FW-8-L54



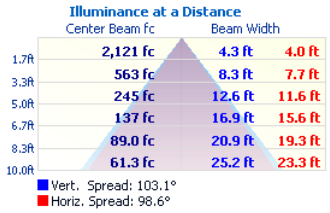
SS-FW-8-L72



SS-FW-8-L108



SS-FW-8-L144



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