

SS LED+TW

Project Name:

Type:



CASAMBI

APPLICATION

Tunable White technology can mimic the natural daylight to support Circadian Rhythm - the biological clock, innate in the human body affected by the color temperatures. Ability to adjust color temperature and the light source intensity can enhance synchronization of bodies and minds, essential to ensure maximum productivity during the course of the day. This tunable technologies can provide the ultimate solution to optimize the needs from residential to commercial, healthcare, education, retails, entertainment, office, and more.

FEATURES:

- Die-formed steel channel with knock-outs for versatile configuration and simple mounting.
- Available with 1 or 2 rows of LED, and in single unit lengths or as tandems.
- One continuous lens for 8-feet fixtures.
- Finish is high-gloss baked white enamel over rust inhibiting phosphate coating for maximum corrosion resistance.

MOUNTING:

- Fixture is wall mounted (Not available with sensor option), surface mounted, or suspended mounted with chains, stems or cables.
- Joiner clip provided for easy continuous run (with "CON" option).
- Metal belly band provided to eliminate light leak from space between lenses in continuous run (with "CON" option).
- Compatible with most ceiling types.

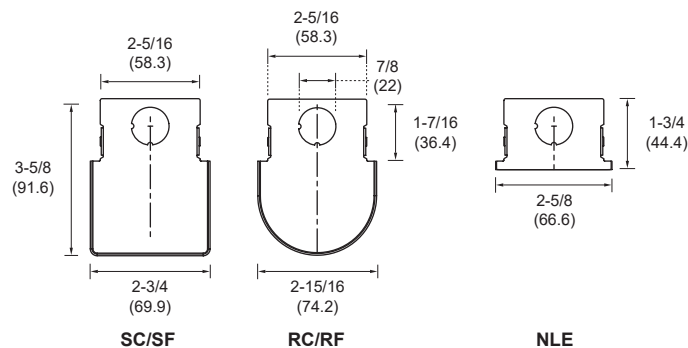
<ESRN¹¹>:

- 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.
- CEC Compliant EM (please contact for more information)
- ARRA compliant (std.)
- BAA compliant (optional).
- BABA compliant (optional)¹⁰.
- Warranty:
 - 265K & -275K : 5 years limited warranty.
 - 3065K : 3 years limited warranty.
- Power source: 5 years limited warranty.

END VIEW



Specifications: SS-2
Weight: 4.7 lbs (2.13 kg)

Specifications: SS-4
Weight: 6.9 lbs (3.13 kg)

Specifications: SS-8
Weight: 10.43 lbs (4.73 kg)

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ORDERING INFORMATION

EXAMPLE: SS-4-L36-275K-PSQ02U-SF-UNV

MODEL	LENGTH		
SS	2	2' Length ²	(Blank) Wiring for Individual mount (Std.)
	3	3' Length	
	4	4' Length	CON Wiring for Continuous mount (Specify row/length and number of power feed)
	8	8' Length 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.			

WIRED SOLUTION⁵

LED		SYSTEM		CRI		LED DRIVER	
L18	18W LED	-265K	Tunable White 2000-6500K	(Blank)	80+ CRI	ED560	eldoLED LightShape DALI dim to dark, 0.1% ~ 100%
L27	27W LED	-275K	Tunable White 2700-5000K	C9	90+ CRI ⁷	010V	0-10V, 1% - 100%
L36	36W LED	-CCK	Tunable White custom CCT from 2000-6500K (Must specify the CCT range)			PSQ02U	T-Series 1% 2-channel tunable white driver
L54	54W LED (N/A 2FT)						
L72	72W LED (N/A 2&3FT)						
L108	108W LED (N/A 2&3&4FT)						
L144	144W LED (N/A 2&3&4FT)						
* Contact factory for custom wattage or lumen requirement.							

CONTROLS	
DUALSWT-WH	2-1 Dual wall switch, 120v only, white finish ⁵ * Only with "MU050" driver.

WIRELESS SOLUTION⁶

LED		SYSTEM		CRI		LED DRIVER		CONTROLS ^{5,6}	
LO	Low output, 6 W/ft, 512 lm/ft	-3065K	Tunable White 3000-6500K With wireless solution	(Blank)	90+ CRI ⁷	CV24	24VDC power supply	MZ-TW	4-zone RF remote, white finish
HO	High output, 12 W/ft, 1024 lm/ft * NO custom wattage.							BLT	Bluetooth / Smartphone App
						2DMX	2-channel DMX512 decoder	(Blank)	None
L18	18W LED	-265K	Tunable White 2000-6500K	(Blank)	80+ CRI	010V	0-10V (Std.)	CAS	Casambi Bluetooth Mesh
L27	27W LED	-275K	Tunable White 2700-5000K	C9	90+ CRI ⁷			AVI	Avi-on Bluetooth Mesh
L36	36W LED	-CCK	Tunable White custom CCT from 2000-6500K (Must specify the CCT range)					KA	Keilton+Autani Bluetooth Mesh
L54	54W LED (N/A 2FT)								
L72	72W LED (N/A 2&3FT)								
L108	108W LED (N/A 2&3&4FT)								
L144	144W LED (N/A 2&3&4FT)								
* Contact factory for custom wattage or lumen requirement.									

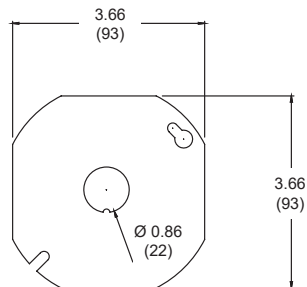
DIFFUSER		VOLTAGE		POWER FEED LOCATION		MOUNTING	
SC	Square - Clear Acrylic Lens	UNV	120-277V (Std.)	PL	Power location must be provided in the drawing (Std.)	(Blank)	Ceiling Mount
SF	Square - Frosted Acrylic Lens	120	120V			VH	V-Hook
RC	Round - Clear Acrylic Lens	277	277V			CHxx	Chain for use with V-hook (xx=length)
RF	Round - Frosted Acrylic Lens				* Required for -CON model only	ACxx	Adjustable Aircraft Cable w/ Canopy (* xx = Specify length (48 or 96))
NLE	Non Lens option					YCxx	Adjustable Aircraft Y-cable with Toggles (* xx = Specify length in inches (60, 120, 180))
						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)
						IDS	T-Bar Clip for Surface Mount
						CD	Conduit run

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FINISH		CORD FINISH		CEILING TYPE		OPTIONS	
(Blank) *BK **CC *AMB	Semi-Glossy White (Std.) Black (RAL#9011) Custom Color ⁴ Anti-Microbial Coating (Matte Skye White) * Non-standard finish with extra charge. ** CC: additional charge & set up fee. Provide RAL# code.	(Blank) *BKC	White (Std.) Black * Additional charge. * Not available with EM option.	X1 X2 X3	T-bar ceiling Hard ceiling Sloped Hard Ceiling * Need to be specified for ACxx, SH-3/8-xx, SH-1/2-xx.	EMG8 EMG15 EMG20 EMG25 ESRN ESRNTB COC SYM ASY JC4 BAA BABA	8W EM Battery Backup (CEC Compliant EM) ^{2,3} 15W EM Battery Backup (CEC Compliant EM) ^{2,3} 20W EM Battery Backup (CEC Compliant EM) ^{2,3} 25W EM Battery Backup (CEC Compliant EM) ^{2,3} UL924 Emergency Bypass Shunt Load Replay, 120-277VAC ^{4,9,11} Remote Test Button for ESRN ⁴ Separated EM feed for City of Chicago code compliance Symmetric Reflector Asymmetric Reflector 4" Octagon shape junction box cover plate BAA(Buy American Act) compliant BABA(Build America Buy America) compliant ¹⁰

NOTES:

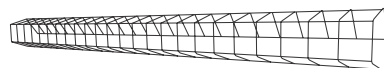
1. Tandem units.
2. May not be available with certain run length and/or configurations due to limited space. Please check with factory.
3. The wattage for EM cannot be higher than the fixture wattage.
4. Shipped separately.
5. Refer to color charts (RAL and/or Cardinal) in the separate attachment.
6. Refer to Table #1 to find more information.
7. Refer to Table #2 to find more information.
8. Lumen per watt is approximately 15% less than standard CRI 80+.
9. @120/277VAC Max. 16 Amp. LED.
10. Not all configurations may comply. Please confirm compliance with the factory.
11. Only available with "Wired Solution".



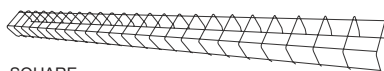
JC4 : Octagon cover plate

WIRE GUARD

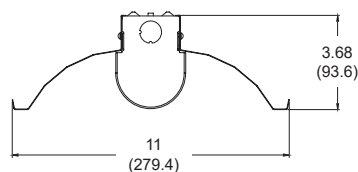
Pentagon : Available with Round/Square Lens options.
Square : Available with Non-Lens option.



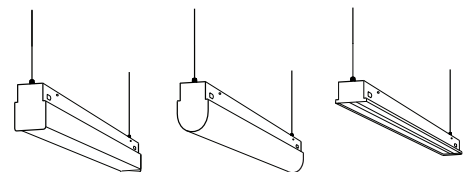
PENTAGON



SQUARE



SYM : Symmetric Reflector

NLE
Non Lens option

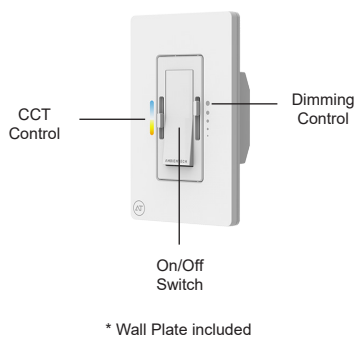
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WIRED SOLUTION (TABLE1)**SPECIFICATION CHART**

	-265K	-275K
Tunable Range	2000 - 6500K	2700 - 5000K
Lumen Efficiency	2500 lm/ft (at 3500K), >115 lm/W	
CRI	80+ (90+ optional)	
Dimming	0.1% - 100%	
Color Consistency	3-step MacAdam binning	
Lumen Maintenance	> 50,000 hours	
Control Options	DALI (#ED560), 0-10V (#MU050), Lutron T-Series (#PSQ02U), V010, VDALI	
Warranty	5 years limited warranty	

COMPATIBLE DIMMER SWITCH CHART

Model #	Brand	Compatible Dimmer Switch	
ED560	eldoLED DUALdrive	<Lunatone>	SS-LUNAT PS2 30mA SS-LUNAT Touch or BT SS-LUNAT Comm
MU050	Moons Intelligent indoor	<Lutron>	Diva - DVTV-xx, DVSTV-xx
PSQ02U	Lutron	<Lutron>	Quantum System Network

**DUALSWT-WH**

Input	120VAC, ~60Hz
Max Load	600W
Dimming Curve	Linear, PWM
Compatibility	eldoLED DUALdrive, Moon's 0-10V Dual Series
Features	Field adjustable low-end trim, Built-in Relay
UL listed	UL 1472 / CSA C22.2 184.1
FCC	Class B Part 15



Tunable White



Dimmable



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WIRELESS SOLUTION (TABLE 2)

	-265K	-275K	-3065K
Tunable Range	2000 - 6500K	2700 - 5000K	3000 - 6500K
Lumen Efficiency	2500 lm/ft (at 3500K), >115 lm/W		512 lm/ft, up to 87.5 lm/W
CRI	80+		90+
Dimming	0.1% - 100%		PWM
Color Consistency	3-step MacAdam binning		-
Lumen Maintenance	> 50,000 hours		> 50,000 hours
Control Options	Casambi, Avi-on, Keilton+Autani Bluetooth Mesh		Wireless remote, Bluetooth (Smartphone / APP)
Warranty	5 years limited warranty		3 years limited warranty

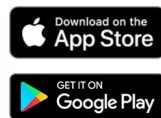
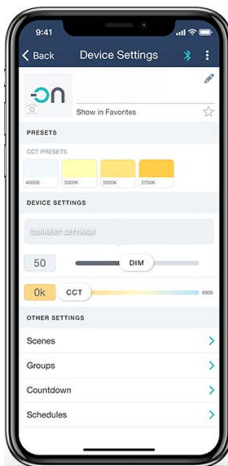
-265K & -275K (CONTROLS)

CASAMBI



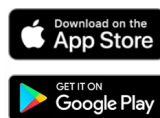
Personalize their lighting experience and to do so in an instant. Casambi's simple wireless lighting control system opens up a whole new world of possibilities in this respect. This uncomplicated yet feature-rich application enables you to seamlessly control your lighting from a smartphone or tablet.

From daylight control to timed scenes, animations, and more... everything can be configured in this app. It contains everything you need for intelligent, flexible, and fully automated lighting controls. At your fingertips.

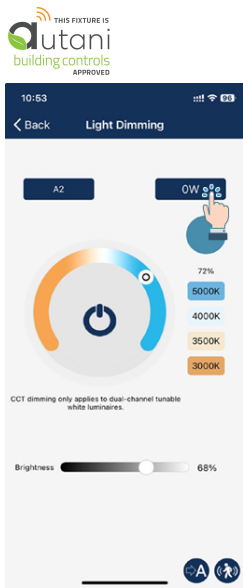
avi-on[™]
Bluetooth® Lighting Controls

The Avi-on Mobile Commissioning App is a secure lighting controls solution for office, school, healthcare, hospital, warehouse, manufacturing, parking garage, parking lot, horticultural, and other industrial applications. Using new and current smartphones or tablets with current operating systems, commercial installers can quickly set-up devices, program schedules, and add sensors or wall stations.

Avi-on is "gateway free", and no wifi hub or gateway is required. All schedules and settings are saved on a Bluetooth chip inside each device. Once programmed locally, the schedules will operate without the Internet or your phone nearby.



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The Keilton+autani mobile app transforms how you manage commercial lighting systems through an intuitive interface that puts powerful control at your fingertips. This mobile solution enables seamless commissioning, management, and optimization of our Bluetooth-enabled lighting devices, helping facility managers reduce energy costs while maintaining optimal lighting environments for occupants.

Users can set up sensor timing, program scenes, set schedules, dim levels, linkage light levels, auto-calibration, add switches, and more.



-3065K (CONTROLS)



WL-MZ-WH (Wireless Wall remote)

Dimensions	L 4.3" x W 2" x D 0.85"
Weight	0.1 lbs
Signal Type	RF (Radio Frequency) 2.4GHz
Zone	4 zone
Range	98ft from fixture
Working Temp.	-4°F to 131°F (-20°C to 55°C)
* Battery	2 x AAA battery

* Not included.



Smart Life



Tuya Smart

BLT (Bluetooth / Smartphone App)

Bluetooth	
Software	IOS 8.0 and up, Android 4.4 and up
App	Smart Life or Tuya Smart supported
Features	Group, Scenes
Bluetooth Distance	> 49ft in open area
Additional Feature	Home Management / Third party control -> Alexa, Google Assistant (by others)

2DMX



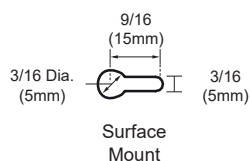
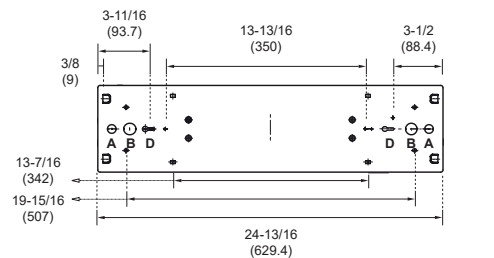
2DMX (2-channel DMX decoder)

Dimensions	L 7" x W 1.8" x D 1.2"
Output Current	8A / channel
Input Voltage	12-24V DC
Output Power	384W @ 24V
Frequency	PWM

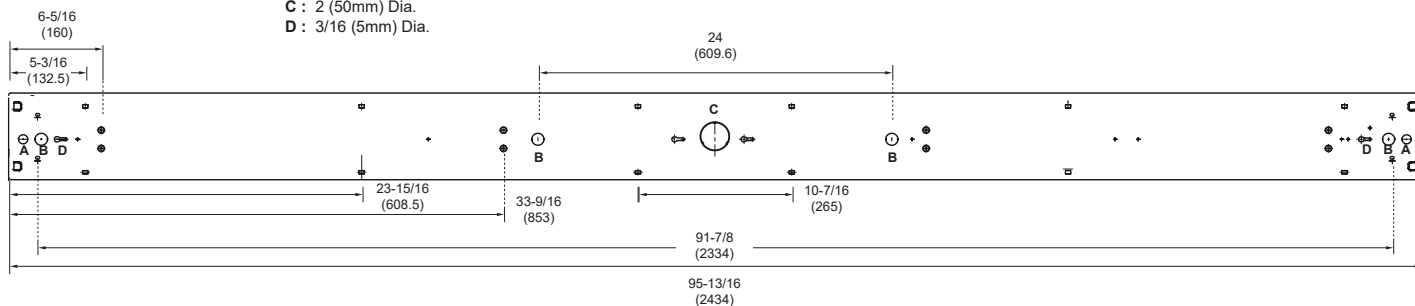
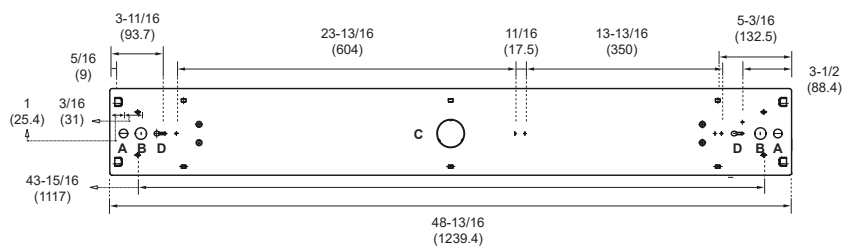
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All dimensions are in inches (millimeters).

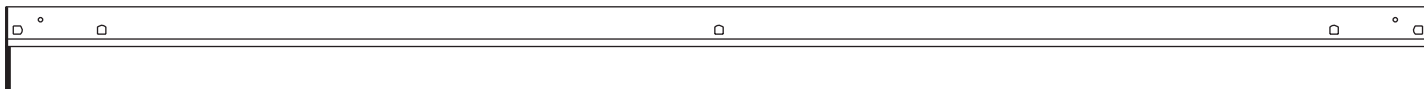
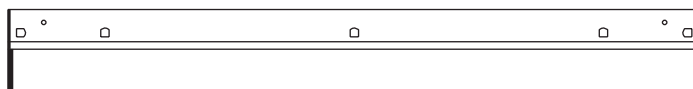
TOP VIEW



- A : 11/16 (17mm) Dia.
 B : 7/8 (22mm) Dia.
 C : 2 (50mm) Dia.
 D : 3/16 (5mm) Dia.



SIDE VIEW



Mounting Options	Image	Ordering Code
Surface Mount (Ceiling)		(Blank)
V-hook for Chain Mount		VH
Adjustable Cable Mount		ACxx xx = Length of Cable (48 or 96 inches)
Adjustable Aircraft Y-cable with Toggles		YCxx xx = Specify length in inches (60, 120, 180)
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-1/2 xx(length)] xx = 18, 24, 36, 48 (inches)
T-Bar Surface Mount		IDS
Conduit Run	Standard: slide-in/out LED module plate CD option: screw-in/out LED module plate	CD

* Cable / Stem mount provided with canopy set