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Strip Lights – CV and CC

Tunable White 10mm
Fixed white 8 mm

AL-SL-42v
AL-SL-48v

Bright LEDs, Cool operation

Product Details

These LED strips offer different watt per ft and color options. They have built in current limiters for each cutable segment. The strips offer high lumen output and double sided tape for quick installation, with factory supplied 12 inch leads. There are two models, the tunable white, 4 wire, 10mm version with 8 inch cut lengths, and the fixed white 8 mm version with 5 inch cut lengths and 2 wires.

The use of the higher voltages reduces voltage drop on long runs, and allows use with either constant current or constant voltage sources.

Signature – Color Tunable

Value – Fixed CCT

Technical specifications

CRI	90+		
Dimming	2% to 100%, flicker free, no artifacts		
Operating Wattage	1.5 w/ft 5 w/m 500 mA/ 16.4 ft	2 w/ft 7.5 w/m 750 mA/ 16.4 ft	3.0 w/ft 10 w/m 1000 mA/ 16.4 ft
Operating Voltage Options	**Signature model** dimming: 35v to 42v Full ON: above 42v current limited above 42v	**Value model** dimming: 40v to 48v Full ON: above 48v current limited above 49v	
Maximum recommended voltage	**44v**	**52v**	
Lm/w	**130 lm/w @ 40v**	**130 lm/w @ 48v** **115 lm/w @ 51v**	
Color Temperature	2700 + 5000K 2200 + 5000K * 2700 + 4000K *	3000K 3500K 4000K *	
On/Off switch capable	Not recommended @48v	Yes @ 48v or 51v	
Recommended Driver	Constant Current driver eg: AL-WS-DR2 or SRP-2309	Constant Voltage @48v Constant Current ** or PWM driver @ 48v	
Recommended wiring	Parallel		
Operating Temperature	Ceiling mount, -20 to 50 Deg C non condensing		
Size	500 cm x 10 mm	500 cm x 8 mm	
Cut Segment	8 inches / 20 cm	5 inch / 12.5 cm	
# wire terminals	4 wires CW+, CW-, WW+, WW-	2 wires	
Connections	Soldering required when cut 12 inch pigtails included		

* 6-8 week delivery time ** set max current to

Installation Notes

Signature Line: For highest efficiency, please audit the installation and set your driver for the 48v models to 42 volts at max brightness. Voltages above 42 volts will operate perfectly, but the excess power is consumed as heat not light – no reason to do that. DALI drivers offer a max brightness setting – please use that, some drivers have dip switches – measure the voltage and adjust. **Not recommended for on/off operation without a dimmer**, use a constant current (CCR) driver for precise dimming. The AL-WS-DR2 automatically detects the proper max current level for the attached strips, the SRP-2309 requires the level to be set manually.

Value Line. Can use an On/Off switch, PWM or CCR drivers @ 48v to 51v

Ordering part numbers

Signature line

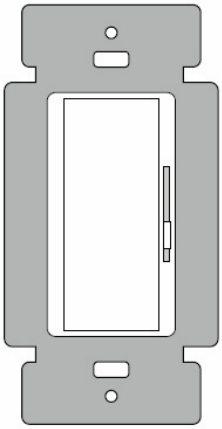
Model	Dimming Voltage	Ideal Max Dimmer Voltage	CCT	CRI	w/ ft	mA/ cut	Cm/ cut	w/ mtr
AL-SL-42v1.5w	35-40v	42v	27/50K	90+	1.5	25	20	5
AL-SL-42v2w	35-40v	42v	27/50K	90+	2	30	20	6.5
AL- SL-42v2.5w	35-40v	42v	27/50K	90+	2.5	40	20	8.2

Value line

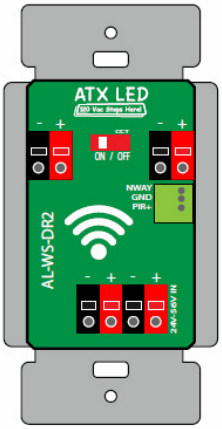
Model	Dimming Voltage	Max Dimmer Voltage	CCT not adjustable	CRI	w/ ft	mA/ Cut	Cm/ Cut	w/ mtr
AL-SL-48v1.2w	40-48v	52v	3000K, 3500K, 4000K	90+	1.2	10	12.5	3.8
AL-SL-48v1.8w	40-48v	52v	3000K, 3500K, 4000K	90+	1.7	15	12.5	5.8
AL-SL-48v2.5w	40-48v	52v	3000K, 3500K, 4000K	90+	2.3	20	12.5	7.7
AL-SL-48v3w	40-48v	52v	3000K, 3500K, 4000K	90+	2.9	25	12.5	9.6

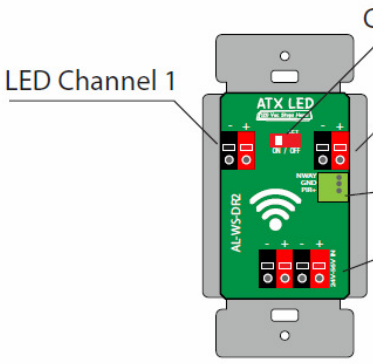
Meet the DR2

The DR2 is the heart of the entire system. From the front it looks like a typical style wall switch with a slide dimmer. This is where the driver for the LEDs is located. The DR2 uses current control technology to provide perfect dimming to each of its corresponding LEDs. There are several different types of DR2 available, depending on application.

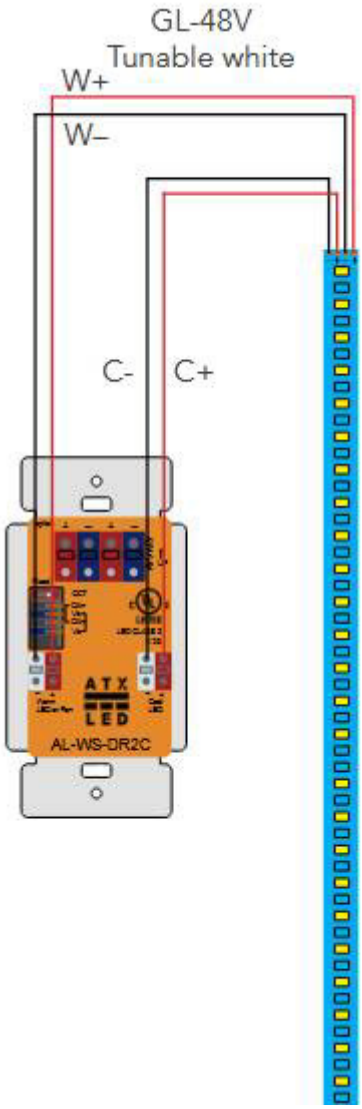


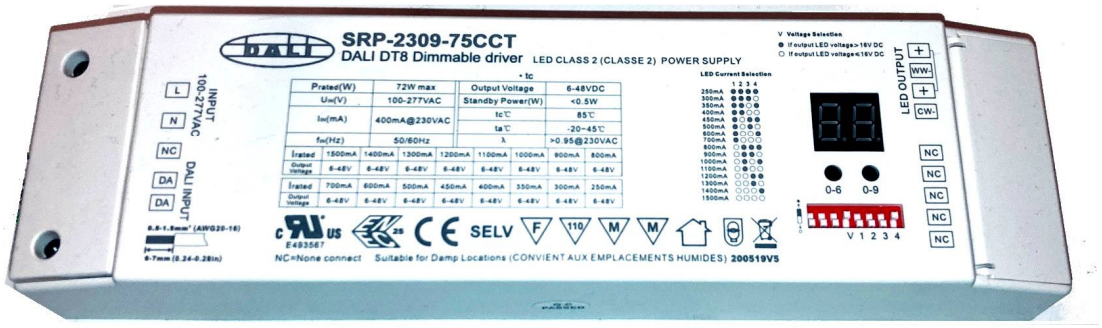
Front





ATX LED
120 Vac Stops Here!





8 mm and 10mm Cove Lighting metal plate

37 mm deep, 82 mm tall, 9 mm channel

Sliding plate covers the screws and wires
primed for painting