

SIMPLY CLEAN™ RECESSED FIXTURES SC1

Simply Clean™ SC1 channel lets you build custom recessed fixtures with our RibbonLyte products. Designed to use two rows of LED tape, SC1 channel is 2.13 in. (54.1 mm) wide and features a 60-degree beam angle. Display stunning seamless continuous lines of light flush to new or existing drywall or gypsum walls and ceilings. SC1 channel is compatible with a wide range of RibbonLyte, including nine white CCTs, RGBW, RGBA, and Variable White.

- Available for field assembly or factory assembly
- Wattage Range from 3 W/ft (9.8 W/m) to 12 W/ft (39.4 W/m)
- Static White delivered lumen range from 202 lm/ft (662 lm/m) up to 1246 lm/ft (4087 lm/m)
- Assembled in USA

HOUSING FINISH



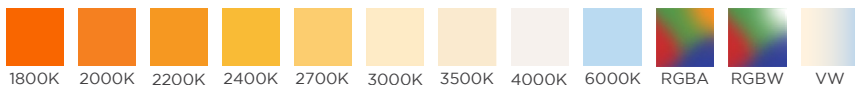
Silver

AVAILABLE LENS FINISHES



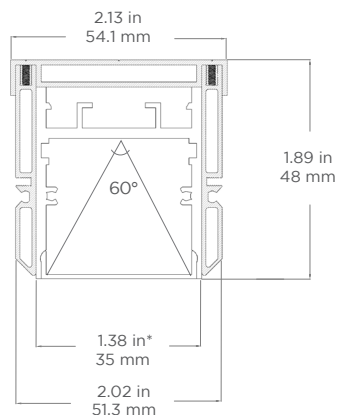
Milky Lens
70% Light Transmission

AVAILABLE COLORS & COLOR TEMPERATURES



DIMENSIONS

SC1 Channel

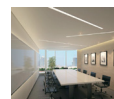


Width: 2.13 in. (54.1 mm)
Height: 1.89 in. (48 mm)
Internal Width: 1.38 in (35 mm)

*Width of visible light diffuser

Note: This channel does not require mounting clips. Please see our installation guide for instructions.

MOUNTING OPTIONS:



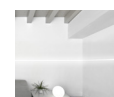
Ceiling Mount



Horizontal Wall Mount

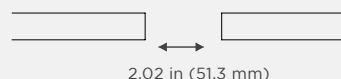


Vertical Wall Mount



Cross-Wall Mount

For installation, cut hole in ceiling:



For detailed installation instructions, please reference SC1 installation guide on the product page below:

<https://genledbrands.com/acolyte/product/sc1/>

SPECIFICATIONS & PARTS / EXPLODED VIEW

Beam Angle	60°
Lens Type	Milky Lens
Length	Channel is sold by the foot and cut to your exact desired length. Required amount of L Brackets or Spring Clips included.
Operating Voltage	24V
Dimming	MLV / 0-10 Volt / Lutron Hi-Lume 1% dimming LED drivers / Lutron VIVE code compliance available / ELV / DALI / DMX
Operating Temperature	-40° F to 158° F (-40° C to 70° C)
Colors	1800K, 2000K, 2200K, 2400K, 2700K, 3000K, 3500K, 4000K, 6000K, RGBA, RGBW, VW
CRI	90+ CRI (Static white only)
Lamp Life	L70 at 50,000 Hours
MacAdam Ellipses (SDCM)	2-Step Binning (For Static White LEDs only)
Certifications	ETL Listed: UL 2108 Issued: 2004/02/27 Ed: 1 Rev: 2014/02/24 Low Voltage Lighting Systems CSA C22.2#9.0 Issued: 1996/06/01 Ed: 1 (R2011) General Requirements for Luminaires; with Gen. Inst. 1: 1997, Gen Inst. 2: 1998. ROHS compliant UL 2108 - Low Voltage Lighting Systems UL 8750 - Light Emitting Diode (LED) Equipment for Use in Lighting Products UL 1598 / CSA 250.0-08 - Luminaires
Width	2.13 in (54.1 mm)
Height	1.89 in (48 mm)
Length	Sold by the foot or meter. We recommend field cutting by contractor on site for any run lengths greater than 8 feet or 2.5 meters, to ensure that measurements align exactly with the architectural space.
Internal Width	1.38 in (35 mm)

ORDERING GUIDE

STEP 1 Complete Channel Part Number

CHANNEL	LENS	HOUSING COLOR
CHSC1	M	SV
CHSC1 - Simply Clean™ SC1 Recessed Fixture	M - Milky Lens	SV - Silver

STEP 2 Complete RibbonLyte Part Number

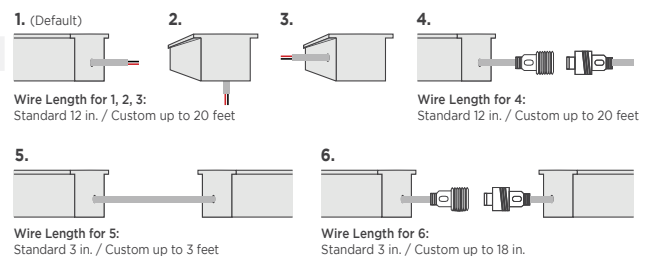
CATEGORY	CRI	RIBBON TYPE & IP RATING
RB		
RB - RibbonLyte	0 - Static Color, Color Changing 90 - 90+ CRI Static White	SWDR20 - Static White Double Row IP20 RGBWADR20 - RGBW/A Double Row IP20 VWADR20 - Variable White Double Row IP20

WATTAGE	COLOR
3.0 - 3.0 W/ft (9.8 W/m - Static White, Variable White, RGBW, RGBA)	18 - 1800K VW - Variable White
6.0 - 6.0 W/ft (19.7 W/m - Static White, Variable White, RGBW, RGBA)	20 - 2000K RGB27 - Red, Green, Blue + 2700K
12.0 - 12.0 W/ft (39.4 W/m - Static White, Variable White, RGBW, RGBA)	22 - 2200K RGB30 - Red, Green, Blue + 3000K
	24 - 2400K RGB40 - Red, Green, Blue + 4000K
	27 - 2700K RGB60 - Red, Green, Blue + 6000K
	30 - 3000K RGBA - Red, Green, Blue + Amber
	35 - 3500K Z - Undecided**
	40 - 4000K ** For quotes only. Must be chosen before final order.
	60 - 6000K

CONNECTION OPTIONS (See diagrams on the right)

- | | |
|------------------------------------|-------------------------------------|
| 1 - End Feed Bare Wire Connection | 4 - End Feed with IP67 Male Coupler |
| 2 - Back Feed Bare Wire Connection | 5 - Soldered Daisy Chain |
| 3 - Side Feed Bare Wire Connection | 6 - Daisy Chain With IP67 Couplers |

Custom Length (ft.)



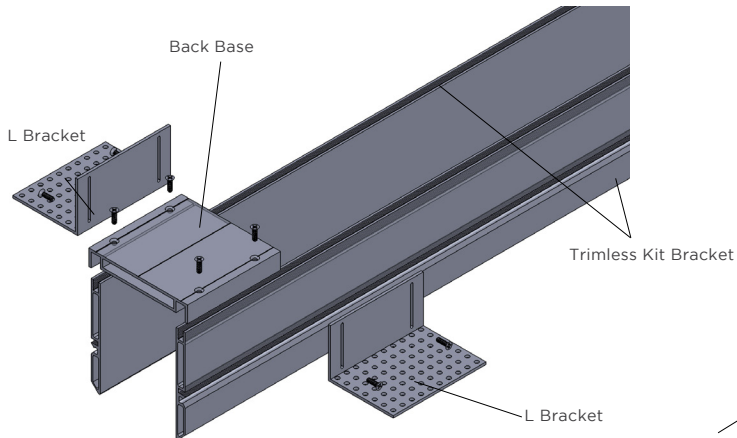
STEP 3 Complete Assembly Option & Length

ASSEMBLY OPTION	LENGTH (Standard factory assembled length up to 78 in. / 2 m)
FI - Field Assembly FA - Factory Assembly	

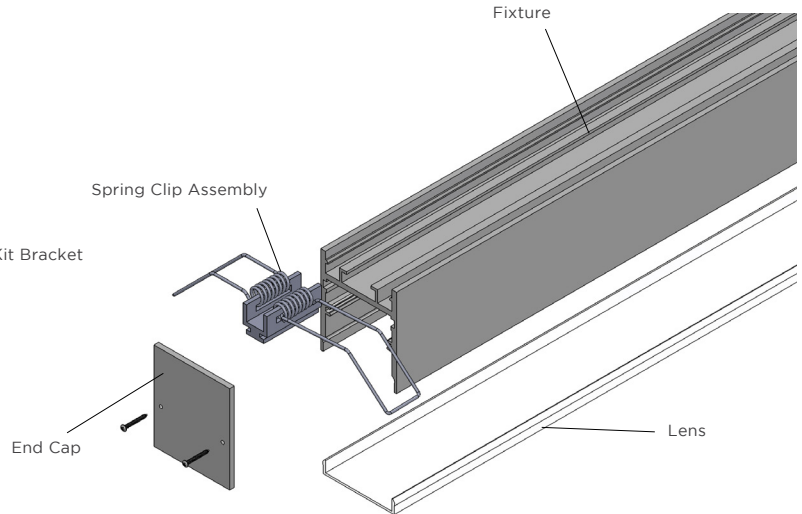
SPECIFICATIONS & PARTS

EXPLODED VIEW

RECESSED ASSEMBLY (to be assembled first)

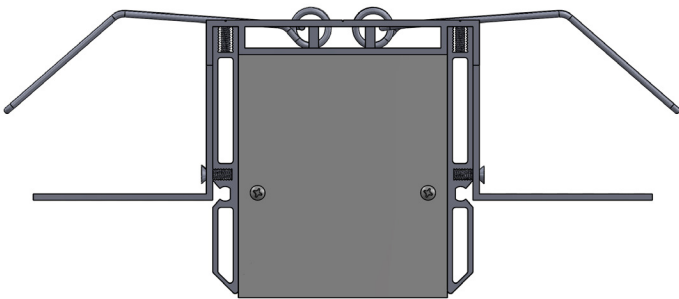


LIGHT ENGINE ASSEMBLY (to be assembled 2nd and then be snapped into the Recessed Assembly)

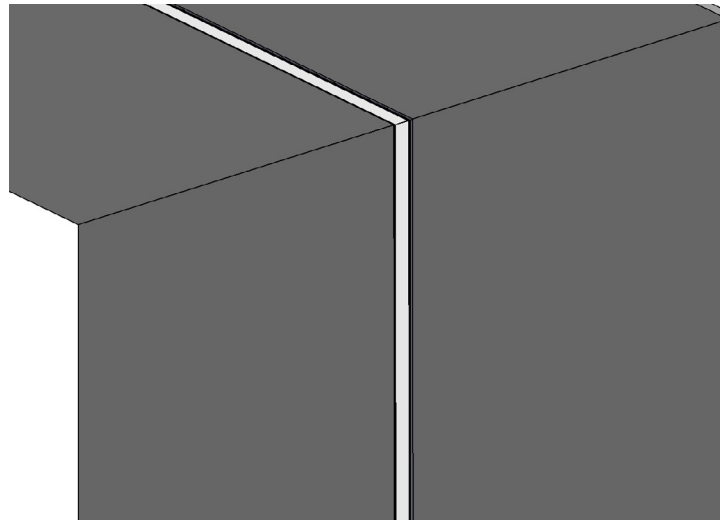


Note when installing this product: This product uses two rows of LED strips, so a 3W/ft fixture uses two rows of 1.5 W/ft LED strips. An 8.8 W/ft fixture uses two rows of 4.4 W/ft strips.

FINISHED FIXTURE END-VIEW



CEILING-TO-WALL OR WALL-TO-WALL CONNECTED RUN



Corner installations can be field cut and installed on-site by contractor.
See installation guide for details.



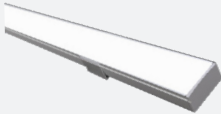
RIBBONLYTE SPECIFICATIONS & COMPATIBILITY

Available Wattages	Cuttable Length	LED Pitch	Color Temp.	lm/W without Lens	Delivered Lumens with Milky Lens (lm/ft / lm/m)	Max Length	Compatible with Channel		
							IP20	IP65	IP68
3.0 Static White Double Row	0.7 in. (17.9 mm)	136 LEDs/ft (448 LEDs/m)	1800K	73	202 / 662	65 ft (20 m)	✓	N/A	N/A
			2000K	86	238 / 781				
			2200K	94	260 / 853				
			2400K	97	267 / 877				
			2700K	109	301 / 989				
			3000K	118	326 / 1069				
			3500K	119	328 / 1077				
			4000K	118	326 / 1069				
			6000K	114	316 / 1037				
6.0 Static White Double Row	0.7 in. (17.9 mm)	136 LEDs/ft (448 LEDs/m)	1800K	73	403 / 1324	39 ft (12 m)	✓	N/A	N/A
			2000K	86	476 / 1563				
			2200K	94	520 / 1707				
			2400K	97	535 / 1754				
			2700K	109	603 / 1978				
			3000K	118	651 / 2137				
			3500K	119	656 / 2153				
			4000K	118	651 / 2137				
			6000K	114	632 / 2073				
12.0 Static White Double Row	0.7 in. (17.9 mm)	136 LEDs/ft (448 LEDs/m)	1800K	69	766 / 2513	30 ft (9 m)	✓	N/A	N/A
			2000K	82	904 / 2967				
			2200K	89	987 / 3239				
			2400K	92	1015 / 3330				
			2700K	104	1144 / 3754				
			3000K	112	1236 / 4057				
			3500K	113	1246 / 4087				
			4000K	112	1236 / 4057				
			6000K	109	1200 / 3936				
3.0 Variable White Double Row	1.97 in. (50 mm)	84 LEDs/ft (280 LEDs/m)	2000K + 6500K	87	240 / 788	41 ft (12.5 m)	✓	N/A	N/A
6.0 Variable White Double Row	1.97 in. (50 mm)	84 LEDs/ft (280 LEDs/m)	2000K + 6500K	82	453 / 1485	31 ft (9.5 m)	✓	N/A	N/A
12.0 Variable White Double Row	1.97 in. (50 mm)	84 LEDs/ft (280 LEDs/m)	2000K + 6500K	71	784 / 2572	21 ft 4 in. (6.5 m)	✓	N/A	N/A

RIBBONLYTE SPECIFICATIONS & COMPATIBILITY

Available Wattages	Cutable Length	LED Pitch	Color Temp.	lm/W without Lens	Delivered Lumens with Milky Lens (lm/ft / lm/m)	Max Length	Compatible with Channel		
							IP20	IP65	IP68
3.0 RGBW Double Row	1.3 in. (33 mm)	72 LEDs/ft (240 LEDs/m)	RGBW	91	251 / 824	21 ft 4 in. (6.5 m)	✓	N/A	N/A
3.0 RGBA Double Row	1.3 in. (33 mm)	72 LEDs/ft (240 LEDs/m)	RGBA	78	251 / 824	21 ft 4 in. (6.5 m)	✓	N/A	N/A
6.0 RGBW Double Row	1.3 in. (33 mm)	72 LEDs/ft (240 LEDs/m)	RGBW	91	502 / 1648	16 ft 6 in. (5 m)	✓	N/A	N/A
6.0 RGBA Double Row	1.3 in. (33 mm)	72 LEDs/ft (240 LEDs/m)	RGBA	80	502 / 1648	16 ft 6 in. (5 m)	✓	N/A	N/A
12.0 RGBW Double Row	1.3 in. (33 mm)	72 LEDs/ft (240 LEDs/m)	RGBW	79	872 / 2862	14 ft 6 in. (4.5 m)	✓	N/A	N/A
12.0 RGBA Double Row	1.3 in. (33 mm)	72 LEDs/ft (240 LEDs/m)	RGBA	75	872 / 2862	14 ft 6 in. (4.5 m)	✓	N/A	N/A

DIODE VISIBILITY CHART (Data below applies to installations with Milky lens only)

 No Visible Diode = N	 With Visible Diode = Y
Static White	Color Changing
3.0/6.0/12.0 Double Row IP20 N	3.0/6.0/12.0 RGBW/A Double Row IP20 N
	3.0/6.0/12.0 Variable White Double Row IP20 N

AVAILABLE DRIVERS

NON-DIMMING ELECTRONIC DRIVERS



30W, 60W, 96W Non-Dimming Electronic Class 2 Drivers

Part No.:

- DRVW2430 (30 Watt)
- DRVW2460 (60 Watt)
- DRVW2496 (96 Watt)

Output Voltage: 24 V
Voltage Range: 120-277 VAC
IP Rating: Dry or Damp
UL Listed



240W, 320W Non-Dimming Electronic Drivers

Part No.:

- DRVW24240 (240 Watt)
- DRVW24320 (320 Watt)

Output Voltage: 24 V
Voltage Range: 90-305 VAC
IP Rating: Dry or Damp
UL Recognized

LUTRON HI-LUME DRIVERS



40W Lutron Hi-Lume 1% Dimming Class 2 Drivers

Part No.:

- DRVLUT24403W (40 Watt, 3-wire)
- DRVLUT24402W (40 Watt, 2-wire)

Output Voltage: 24 V
Voltage Range: 120-277 VAC (3-wire model)
or 120V (2-wire model)
IP Rating: Dry or Damp
Dimmable using 2-wire forward phase,
3-wire+G or digital EcoSystem
UL Listed

ELV & MLV DRIVERS WITH COMPATIBLE DIMMERS



60W, 96W, 150W, 300W ELV/MLV Dimmable Drivers

Part No.:

- DRVW2460ELVMLV (60 Watt)
- DRVW2496ELVMLV (96 Watt)
- DRVW24150ELVMLV (150 Watt)
- DRVW24300ELVMLV (300 Watt)

Line Voltage Dimmable Drivers
Output Voltage: 24 V
Voltage Range: 100-277 VAC
IP Rating: IP67
Dimmable
UL, CE, and CSA Listed



LUTRON Skylark Contour Dimmer

Part No.: TRIDIMSKY
Width: 2.94 in (75 mm)
Length: 4.69 in (120 mm)
Depth: 0.30 in (7.6 mm)

- Single pole and 3-way versions
- Compatible with Acolyte MLV drivers
- Slide adjusts brightness and On/Off control
- 30 mA max control current
- Available in white finish



LUTRON NOVA-T Dimmer

Part No.: TRIDIMNOVA
Width: 2.75 in (70 mm)
Length: 4.56 in (116 mm)
Depth: 0.30 in (7.6 mm)

- Slide adjusts brightness and On/Off control
- 30 mA max control current
- Available in white finish



LUTRON DIVA Dimmer

Part No.: TRIDIMDIVA
(With Locator Light) TRIDIMDIVAL
Width: 2.94 in (75 mm)
Length: 4.69 in (120 mm)
Depth: 0.30 in (7.6 mm)

- Large paddle switch with a captive linear-slide dimmer
- 30 mA max control current
- Available in white finish
- Available with locator light which glows green when the switch is off

Note: For more options, please reference the Optional Dimmer List on Acolyte product website page.

AVAILABLE DRIVERS / CONTROLLERS AND DIMMING OPTIONS / WIRE GAUGE CHART

0-10V DRIVERS AND DIMMERS

DIMMING MODULE



0-10V Dimmable Waterproof Drivers

96W Part No.: DRVW249610P
288W Part No.: DRVW2428810P
Output Voltage: 24 V (+/- 0.5V)
Voltage Range: 100-277 VAC
Environmental Rating: UL Wet Location
UL Listed



LUTRON DIVA Dimmer

Part No.: LVDIMDIVA
Width: 2.94 in (75 mm)
Length: 4.69 in (120 mm)
Depth: 0.30 in (7.6 mm)

- Compatible with 0-10 V Dimming Module
- Large paddle switch with a captive linear-slide dimmer
- 30 mA max control current
- Available in white finish



LUTRON NOVA-T Dimmer

Part No.: LVDIMNOVA
Width: 2.75 in (70 mm)
Length: 4.56 in (116 mm)
Depth: 0.30 in (7.6 mm)

- Compatible with 0-10 V Dimming Module
- Slide adjusts brightness and On/Off control
- 30 mA max control current
- Available in white finish



Dual Dimming Module

- Part No.: VWDIMMODBCC
- Programmed for Variable White or Warm Dim
 - Flicker-free 0-100% dimming
 - Independent control over each output channel
 - Works with customizable DMX addresses
 - Incredible efficiency
 - Compact plastic case

Note: The Dual Dimming Module firmware is set at the factory for either Variable White or Warm Dim mode. Please specify which version is needed when ordering.

DMX CONTROLLER AND PART NUMBER - FOR COLOR CHANGING VERSIONS



GLASS TOUCH

WALL CONTROLLERS

Part Number: AWCRGBWW
AWCVWW



1 ZONE WALL CONTROLLER

Part Number: DMXCTRLG



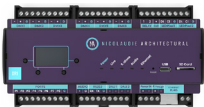
5 ZONE WALL CONTROLLER

Part Number: DMXCTRL



10 ZONE WALL CONTROLLER

Part Number: DMXCTRLD



2 UNIVERSE DMX CONTROLLER

Part Number: DMXCTRLDR2U

6 UNIVERSE DMX CONTROLLER

Part Number: DMXCTRLDR6U



4 CHANNEL WATERPROOF
DMX INTERFACE

Part Number: DMXINFWLCD4



5 CHANNEL
DMX INTERFACE

Part Number: DMXINFLCD5



DMX OPTO SPLITTER

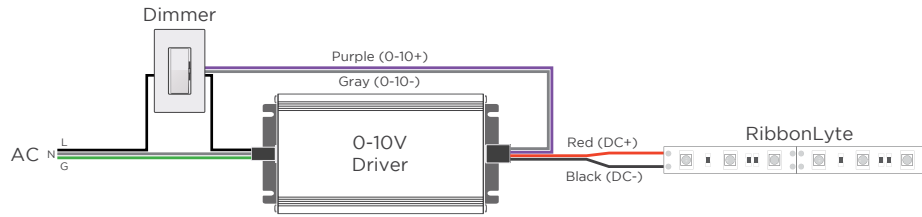
Part Number: DMXOS8

DRIVER AND RIBBONLYTE AT FULL LOAD

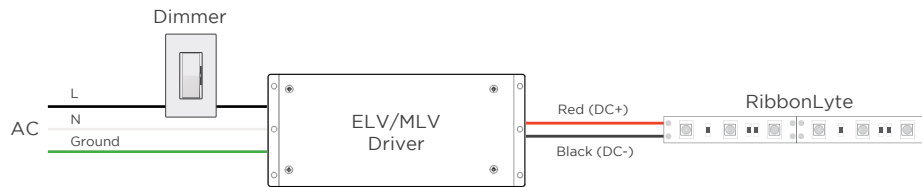
Wattages		30		60		96		150		200		240		300		320	
Wire Gauge		Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters
24 AWG		14	4.27	9	2.74	5.5	1.68	3.75	1.14	2.75	0.84	2.25	0.69	1.75	0.53	1.75	0.53
22 AWG		22	6.71	14	4.27	9	2.74	5.75	1.75	4.5	1.37	3.5	1.07	2.75	0.84	2.75	0.84
20 AWG		35	10.67	23	7.01	14	4.27	9	2.74	7	2.13	5.75	1.75	4.5	1.37	4.25	1.30
18 AWG		56	17.07	37	11.28	23	7.01	15	4.57	11	3.35	9	2.74	7.5	2.29	7	2.13
16 AWG		90	27.44	60	18.29	37	11.28	24	7.32	18	5.49	15	4.57	12	3.66	11	3.35
14 AWG		142	43.29	95	28.96	59	17.99	38	11.59	28	8.54	23	7.01	19	5.79	17	5.18
12 AWG		226	68.90	151	46.04	94	28.66	60	18.29	45	13.72	37	11.28	30	9.15	28	8.54
10 AWG		360	109.76	240	73.17	150	45.73	96	29.27	72	21.95	60	18.29	48	14.63	45	13.72
8 AWG		574	175.00	381	116.16	239	72.87	153	46.65	115	35.06	95	28.96	76	23.17	71	21.65

WIRING DIAGRAMS

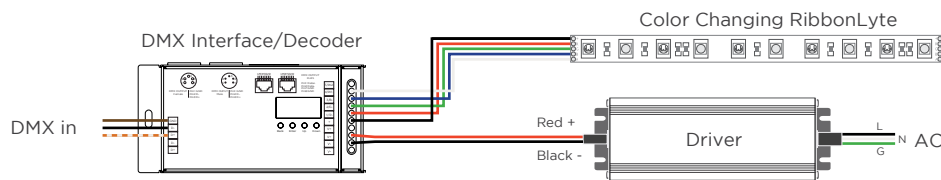
0-10V



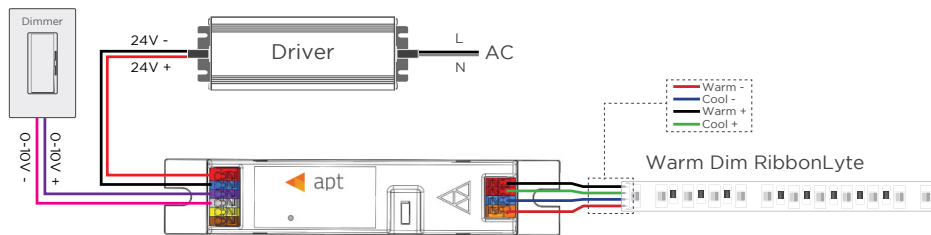
MLV / ELV



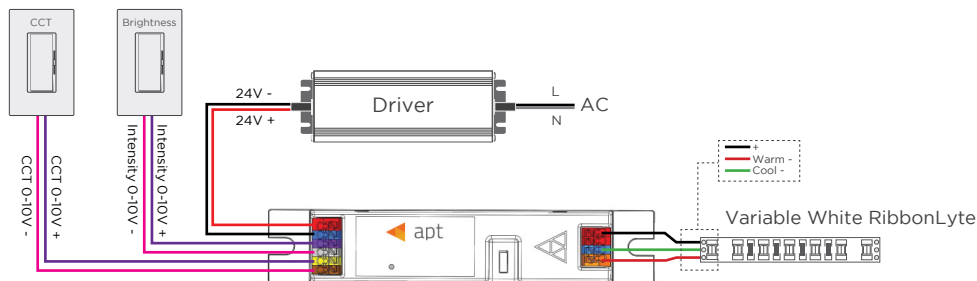
DMX



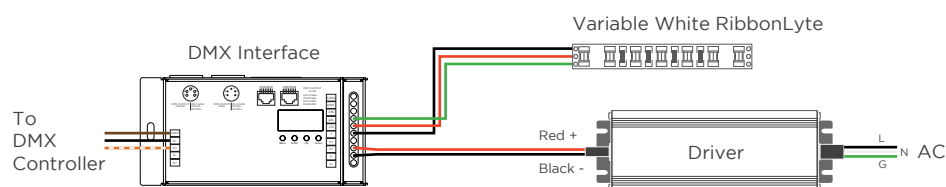
WARM DIM



2-CHANNEL VARIABLE WHITE DIMMING



DMX WIRING DIAGRAM - COMPATIBLE WITH ALL MODELS OF VARIABLE WHITE RIBBONLYTE



WIRE COLORS PER RIBBONLYTE COLOR

STATIC WHITE + STATIC COLOR

Red Wire (+) Positive
Black Wire (-) Negative

RGBW + RGBA

Black Wire (+) Positive
Red Wire (-) goes to Red Channel
Green Wire (-) goes to Green Channel
Blue Wire (-) goes to Blue Channel
White Wire (-) goes to White Channel

WARM DIM

Red Wire (-) goes to Warm White Channel
Blue Wire (-) goes to Cool White Channel
Black Wire (+) goes to Warm White Channel
Green Wire (+) goes to Cool White Channel

VARIABLE WHITE

Black Wire (+) Positive
Red Wire (-) goes to Warm White Channel
Green Wire (-) goes to Cool White Channel