

AS10 CHANNEL FIXTURE

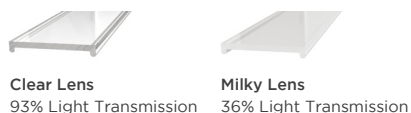
AS10 channel offers a continuous illuminated line of sight and a choice of clear or milky lens options. With a beam angle of 110 degrees, the AS10 fits LED strips with a maximum width up to .35 in. (9 mm). It can be ordered with available 90-degree couplers.

- Available for field assembly or factory assembly
- 0.47 in. (12 mm) wide by 0.47 in. (12 mm) deep
- Beam Angle 110°
- Wattage Range from 0.75 W/ft (2.46 W/m) to 6.0 W/ft (19.7 W/m)
- Static White delivered lumen range from 23 lm/ft (74 lm/m) up to 516 lm/ft (1692 lm/m)
- Available in silver, white, black or custom colors
- Clear Lens or Milky Lens

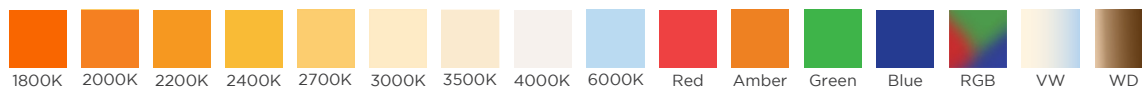
HOUSING FINISHES



LENS FINISHES



AVAILABLE COLORS & COLOR TEMPERATURES



DIMENSIONS

AS10 Channel	Mounting Clip (included accessory)
Width: 0.47 in. (12 mm) Height: 0.47 in. (12 mm) Internal Width: 0.39 in. (10 mm) Internal Height: 0.31 in. (8 mm)	Side View Width: 0.52 in. (13.1 mm) Length: 0.63 in. (16 mm) Top View Assembled View Option 1: 0.57 in. (14.4 mm) Option 2: 0.51 in. (13 mm) Width: 0.52 in. (13.1 mm) Height (option 1): 0.57 in. (14.4 mm) Height (option 2): 0.51 in. (13 mm)



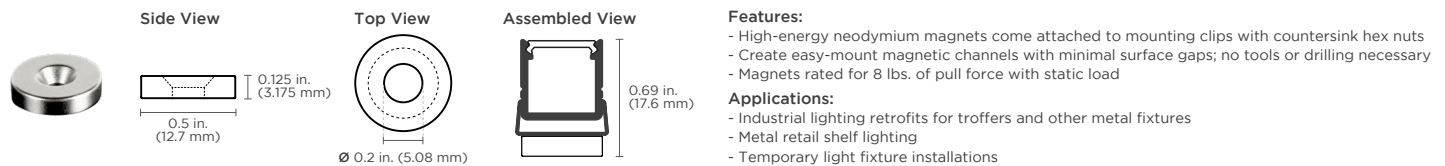
SPECIFICATIONS

Beam Angle	110°
Lens Type	Clear Slide-in Lens, Frosted Slide-in Lens, Milky Slide-in Lens, Clear Click-in Lens, Milky Click-in Lens
Length	Channel is sold by the foot and cut to your exact desired length. Required amount of mounting clips included.
Operating Voltage	24V
Dimming	MLV / 0-10 Volt / Lutron Hi-Lume 1% dimming & Hi-Lume Premier 0.1% L3D0 LED drivers / Lutron VIVE code compliance available / ELV / DALI
Operating Temperature	-40° F to 158° F (-40° C to 70° C)
Colors	1800K, 2000K, 2200K, 2400K, 2700K, 3000K, 3500K, 4000K, 6000K, Red, Amber, Green, Blue, VW (1800K, 2000K, 2200K only available in IP20)
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

ACCESSORIES (SEE PART NUMBERS AT STEP 4 ON PAGE 3)

90° Coupler	Tiltable Stand	End Caps
Assembled Height with Channel (Option 1): 1.43 in. (36.2 mm) Assembled Height with Channel (Option 2): 1.37 in. (34.8 mm)	Assembled Height with Channel (Option 1): 1.43 in. (36.2 mm) Assembled Height with Channel (Option 2): 1.37 in. (34.8 mm)	End Cap without hole End Cap with hole

Magnetic Mount (Part #: CHMAG0.5)



ORDERING GUIDE

STEP 1 Complete Channel Part Number

CHANNEL	LENS	HOUSING COLOR	
CHAS10			
CHAS10 - AS10 Channel	C - Clear Lens M - Milky Lens	SV - Silver BK - Black	WH - White Consult factory for custom colors

STEP 2 Complete RibbonLyte Part Number

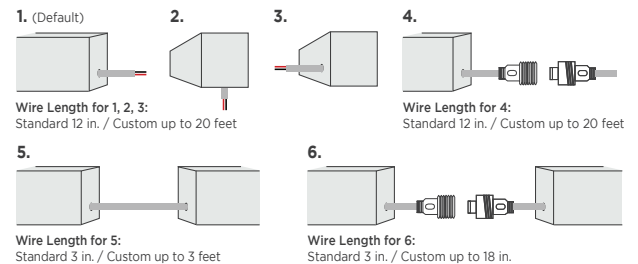
CATEGORY	CRI	RIBBON TYPE & IP RATING	
RB			
RB - RibbonLyte	0 - Static Color, Color Changing 90 - 90+ CRI Static White	SWS220 - Static White Series 2 IP20 SWS265 - Static White Series 2 IP65 SCS220 - Static Color Series 2 IP20 SCS265 - Static Color Series 2 IP65	VWS220 - VW Series 2 IP20 VWS265 - VW Series 2 IP65

WATTAGE	COLOR
0.75 - 0.75 W/ft (2.46 W/m - Static White, Static Color)	18 - 1800K R - Red
1.0 - 1.0 W/ft (3.3 W/m - Variable White)	20 - 2000K A - Amber
1.5 - 1.5 W/ft (4.9 W/m - Static White, Static Color)	22 - 2200K G - Green
2.2 - 2.2 W/ft (7.2 W/m - Static White, Static Color)	24 - 2400K B - Blue
3.0 - 3.0 W/ft (9.8 W/m - Static White, Static Color, Variable White)	27 - 2700K VW - Variable White
4.4 - 4.4 W/ft (14.4 W/m - Static White, Static Color)	30 - 3000K Z - Undecided**
6.0 - 6.0 W/ft (19.7 W/m - Variable White)	35 - 3500K ** For quotes only. Must be chosen before final order.
	40 - 4000K
	60 - 6000K

CONNECTION OPTIONS (See diagrams on the right)

Custom Length (ft.)

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



STEP 3 Complete Assembly Option & Length

ASSEMBLY OPTION	LENGTH (Standard factory assembled length up to 78 in. / 2 m)
FI - Field Assembly	Consult factory for custom factory assembled length (up to 13 ft / 4 m)
FA - Factory Assembly	

STEP 4 Add Accessories

ACCESSORIES

CHCUP90AS10SV - 90° Coupler Silver	TILTSTANDST - Tilttable Stand
CHCUP90AS10BK - 90° Coupler Black	CHMAGO.5 - Magnetic Mount
CHCUP90AS10WH - 90° Coupler White	

SPECIFICATIONS

Available Wattages	Cuttable Length	LED Pitch	Color Temperature	lm/W without Lens	Delivered Lumens with Clear Lens (lm/ft / lm/m)	Delivered Lumens with Milky Lens (lm/ft / lm/m)	Standard Cable Length	Compatible with Channel		
								IP20	IP65	IP68
0.75 Static White Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	1800K	84	59 / 192	23 / 74	12 in. (30.5 cm)	✓	✓	
			2000K	99	69 / 227	27 / 88				
			2200K	109	76 / 249	29 / 97				
			2400K	113	79 / 259	31 / 100				
			2700K	123	86 / 281	33 / 109				
			3000K	123	86 / 281	33 / 109				
			3500K	130	91 / 297	35 / 115				
			4000K	134	93 / 307	36 / 119				
			6000K	131	91 / 300	35 / 116				
1.5 Static White Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	1800K	84	117 / 384	45 / 149	12 in. (30.5 cm)	✓	✓	
			2000K	98	137 / 449	53 / 174				
			2200K	109	152 / 499	59 / 193				
			2400K	113	158 / 517	61 / 200				
			2700K	123	172 / 563	66 / 218				
			3000K	123	172 / 563	66 / 218				
			3500K	129	180 / 590	70 / 229				
			4000K	134	187 / 613	72 / 237				
			6000K	131	183 / 600	71 / 232				
2.2 Static White Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	1800K	83	169.8 / 557	65.7 / 216	12 in. (30.5 cm)	✓	✓	
			2000K	96	196.4 / 644	76 / 249				
			2200K	106	216.9 / 712	84 / 275				
			2400K	111	227.1 / 745	87.9 / 288				
			2700K	120	245.5 / 806	95 / 312				
			3000K	122	249.6 / 819	96.6 / 317				
			3500K	127	259.8 / 852	100.6 / 330				
			4000K	133	272.1 / 893	105.3 / 346				
			6000K	128	261.9 / 859	101.4 / 333				
3.0 Static White Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	1800K	84	234 / 769	91 / 298	12 in. (30.5 cm)	✓	✓	
			2000K	98	273 / 897	106 / 347				
			2200K	108	301 / 989	117 / 383				
			2400K	109.8	306 / 1005	119 / 389				
			2700K	122.9	343 / 1125	133 / 435				
			3000K	130	363 / 1190	140 / 461				
			3500K	133	371 / 1217	144 / 471				
			4000K	133	371 / 1217	144 / 471				
			6000K	128	357 / 1172	138 / 454				
4.4 Static White Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	1800K	81	331 / 1087	128 / 421	12 in. (30.5 cm)	✓	✓	
			2000K	95	389 / 1275	150 / 494				
			2200K	105	430 / 1410	166 / 546				
			2400K	109	446 / 1463	173 / 566				
			2700K	122	499 / 1638	193 / 634				
			3000K	129	528 / 1732	204 / 670				
			3500K	132	540 / 1772	209 / 686				
			4000K	132	540 / 1772	209 / 686				
			6000K	126	516 / 1692	200 / 655				

SPECIFICATIONS

Available Wattages	Cuttable Length	LED Pitch	Color Temperature	lm/W without Lens	Delivered Lumens with Clear Lens (lm/ft / lm/m)	Delivered Lumens with Milky Lens (lm/ft / lm/m)	Standard Cable Length	Compatible with Channel		
								IP20	IP65	IP68
0.75 Static Color Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	Red	41	29 / 94	11 / 36	12 in. (30.5 cm)	✓	✓	
			Green	175	122 / 400	47 / 155				
			Blue	19	13.3 / 43	5.1 / 17				
			Amber	34	24 / 78	9 / 30				
1.5 Static Color Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	Red	42	59 / 192	23 / 74	12 in. (30.5 cm)	✓	✓	
			Green	160	223 / 732	86 / 283				
			Blue	18	25 / 82	10 / 32				
			Amber	34	47 / 156	18 / 60				
2.2 Static Color Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	Red	42	86 / 282	33 / 109	12 in. (30.5 cm)	✓	✓	
			Green	145	297 / 973	115 / 377				
			Blue	18	37 / 121	14 / 47				
			Amber	34	70 / 228	27 / 88				
3.0 Static Color Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	Red	40	112 / 366	43 / 142	12 in. (30.5 cm)	✓	✓	
			Green	127	354 / 1162	137 / 450				
			Blue	25	70 / 229	27 / 89				
			Amber	29	81 / 265	31 / 103				
4.4 Static Color Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	Red	38	155 / 510	60 / 197	12 in. (30.5 cm)	✓	✓	
			Green	117	479 / 1571	185 / 608				
			Blue	24	98 / 322	38 / 125				
			Amber	25	102 / 336	40 / 130				
1.0 Variable White Series 2	1.97 in. (50 mm)	42 LEDs/ft (140 LEDs/m)	2000K + 6500K	85	79 / 259	31 / 100	12 in. (30.5 cm)	✓	✓	
3.0 Variable White Series 2	1.97 in. (50 mm)	42 LEDs/ft (140 LEDs/m)	2000K + 6500K	80	223 / 732	86 / 283	12 in. (30.5 cm)	✓	✓	
6.0 Variable White Series 2	1.97 in. (50 mm)	42 LEDs/ft (140 LEDs/m)	2000K + 6500K	75	419 / 1373	162 / 531	12 in. (30.5 cm)	✓	✓	

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

 No Visible Diode = N		 With Visible Diode = Y	
Static White & Static Color RibbonLyte		Color Changing RibbonLyte	
0.75/1.5/2.2		3.0/4.4	
IP20 IP65		IP20 IP65	
N		N	
		Variable White	
		IP20 IP65	
		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



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



96W Lutron Hi-Lume Premier 0.1% Dimming Class 2 Driver

Part No.:

- DRVLUT24963W (96 Watt, 3-wire)

Output Voltage: 24 V
Voltage Range: 120-277 VAC
IP Rating: Dry or Damp
Dimmable using 3-wire+G or digital EcoSystem
0.1% dimming SoftOn/FadeToBlack
with EcoSystem
UL Listed

MAGNETIC, ELV & MLV DRIVERS WITH COMPATIBLE DIMMERS



120 VAC

60W, 96W, 200W, 300W Class 1 & 2 Magnetic Drivers

Part No.:

- DRVWDIM2460 (60 Watt)
- DRVWDIM24100 (96 Watt)
- DRVWDIM24200 (200 Watt)
- DRVWDIM24300 (300 Watt)

Magnetic Driver
Output Voltage: 24 V
Voltage Range: 120 VAC
IP Rating: Dry or Damp
Forward Phase Dimming
ETL Listed



277 VAC

60W, 96W, 200W, 300W Class 1 & 2 Magnetic Drivers

Part No.:

- DRVWDIM2460277 (60 Watt)
- DRVWDIM24100277 (96 Watt)
- DRVWDIM24200277 (200 Watt)
- DRVWDIM24300277 (300 Watt)

Magnetic Driver
Output Voltage: 24 V
Voltage Range: 277 VAC
IP Rating: Dry or Damp
Forward Phase Dimming
ETL Listed



60W, 96W, 150W, 200W ELV & MLV Drivers

Part No.:

- DRVW2460ELV (60 Watt)
- DRVW2496ELV (96 Watt)
- DRVW24150ELV (150 Watt)
- DRVW24200ELV (200 Watt)

Line Voltage Dimmable Drivers
Output Voltage: 24 V
Voltage Range: 100-130 VAC
IP Rating: Dry or Damp
Dimmable
ETL, UL 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



Variable White Dimming Module

- Part No.: VWDIMMOD
- 1 dimming module required per 30 ft (9.1 m)
 - This product is only compatible with Variable White RibbonLyte, not Variable White Amber or Variable White Red. Works with any 0-10V dimmers to provide CCT change with one dimmer and brightness change with the other.

Note: Max length before additional power is introduced

DMX CONTROLLER AND PART NUMBER - FOR COLOR CHANGING VERSIONS



GLASS TOUCH WALL CONTROLLER

Part Number: AWCGRBWW
AWCVWW



1 ZONE WALL CONTROLLER

Part Number: DMXCTRLG



5 ZONE WALL CONTROLLER

Part Number: DMXCTRL



10 ZONE WALL CONTROLLER

Part Number: DMXCTRLD



4 CHANNEL WATERPROOF DMX INTERFACE

Part Number: DMXINFWLCD4



5 CHANNEL DMX INTERFACE

Part Number: DMXINFLCD5



DMX OPTO SPLITTER

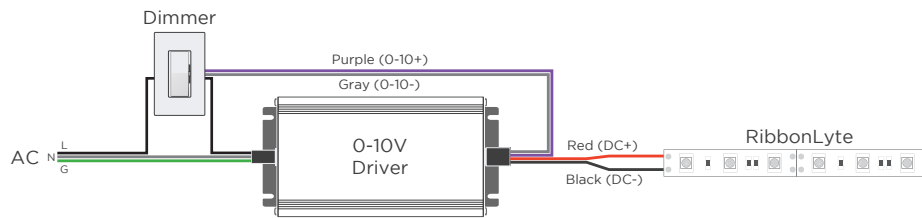
Part Number: DMXOS8

DRIVER AND RIBBONLYTE AT FULL LOAD

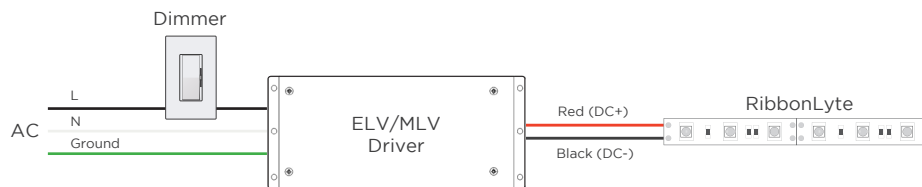
Wattages		30		60		96		150		200		240		300		320	
Wire Gauge		Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters
24 AWG		14	4.27	9	2.74	5.5	1.68	3.75	1.14	2.75	0.84	2.25	0.69	1.75	0.53	1.75	0.53
22 AWG		22	6.71	14	4.27	9	2.74	5.75	1.75	4.5	1.37	3.5	1.07	2.75	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

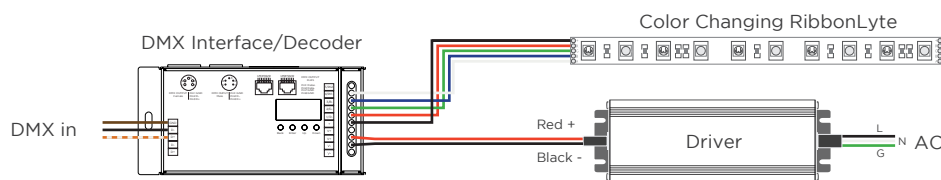
0-10V



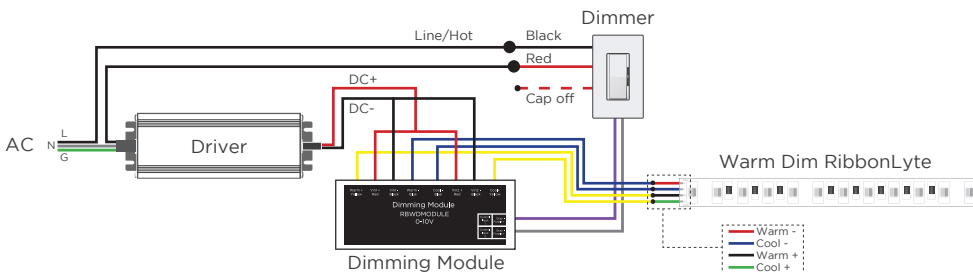
MLV / ELV



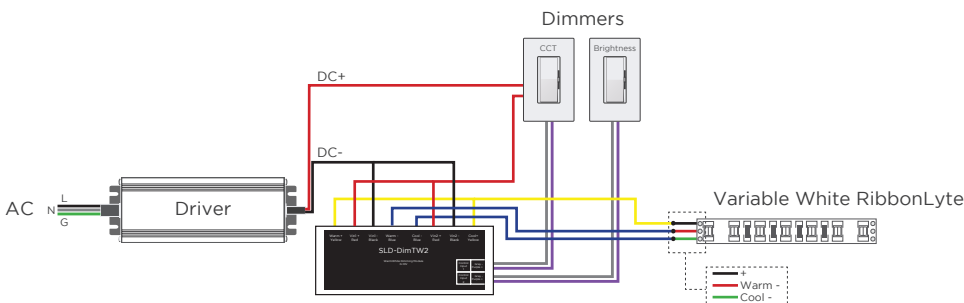
DMX



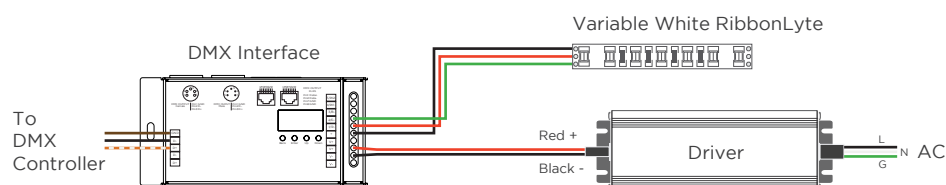
WARM DIM



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

RGB

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

RGBW/A

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