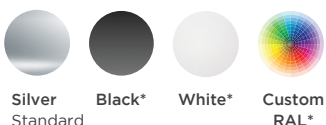


AR23 CHANNEL FIXTURE

Our AR23 Channel Fixture is a recessed fixture with a 90-degree beam angle. The deep angled sides of the channel are designed for superior light reflection. We offer choices of clear, milky and black lenses to create a full range of light outputs. Design a custom fixture for walls, ceilings or furniture with AR23 Channel Fixture and our RibbonLyte products.

- Available for field assembly or factory assembly
- 0.92 in. (23.4 mm) wide by 0.75 in. (19 mm) deep
- 90-degree beam angle
- 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 44 lm/ft (145 lm/m) up to 737 lm/ft (2417 lm/m)
- Clear Lens, Milky Lens or Black Lens

HOUSING FINISHES



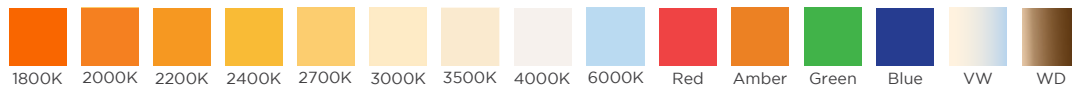
*Additional fee applies

LENS FINISHES



**Our black lens offers great diffusion and helps hide fixtures that aren't in use.

AVAILABLE COLORS & COLOR TEMPERATURES



DIMENSIONS

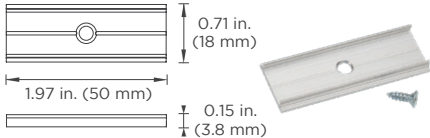
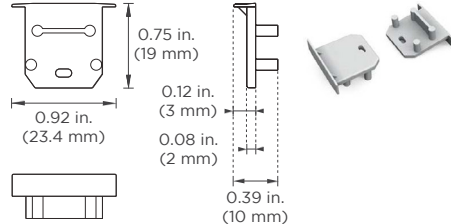
AR23 Channel	Mounting Clip	Spring Clip
Side View Width: 0.92 in. (23.4 mm) Height: 0.75 in. (19 mm) Internal Width: 0.35 in. (9 mm) Internal Height: 0.66 in. (16.8 mm)	Side View Top View Width: 0.57 in. (14.5 mm) Length: 0.95 in. (24 mm)	Front View Side View Width: 1.97 in. (50 mm) Height: 1.47 in. (37 mm)

NOTE: Exterior channel applications should be securely attached to the mounting surface with appropriate screws and/or liquid nails. Acolyte strongly recommends field assembly for exterior applications. Use mounting clips for interior applications only.

SPECIFICATIONS

Beam Angle	90°
Lens Type	Clear Lens, Milky Lens, Black 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 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, Red, Amber, Green, Blue, VW, Warm Dim (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

180° Coupler (Part #: CHCOUP180XSV) 	End Caps with Hole 
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ORDERING GUIDE

STEP 1 Complete Channel Part Number

CHANNEL	LENS	HOUSING COLOR	MOUNTING TYPE
CHAR23			
CHAR23 - AR23 Channel	C - Clear Lens BK - Black Lens M - Milky Lens	SV - Silver WH - White BK - Black Consult factory for custom colors	C - Mounting Clips S - Spring Clips

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 WD20 - Warm Dim IP20 WD65 - Warm Dim IP65

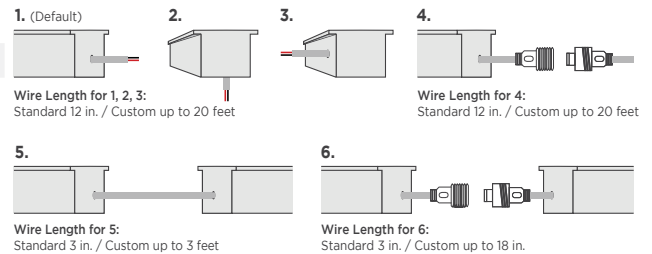
NOTE: To ensure waterproofing standards are met, IP65 RibbonLyte can NOT be cut in the field.

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 2920 - Warm Dim 2900K-2000K (IP20)
5.2 - 5.2 W/ft (17.1 W/m - Warm Dim)	35 - 3500K 2721 - Warm Dim 2900K-2000K (IP65)
5.0 - 5.0 W/ft (16.4 W/m - Static White, Static Color)	40 - 4000K Z - Undecided**
6.0 - 6.0 W/ft (19.7 W/m - Static White, Static Color, Variable White)	60 - 6000K ** For quotes only. Must be chosen before final order.

CONNECTION OPTIONS (See diagrams on the right)

- 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

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*	* Factory assembly is not recommended for exterior applications

STEP 4 Add Accessories

ACCESSORIES
CHCOUP180XSV - 180° Coupler

RIBBONLYTE SPECIFICATIONS & COMPATIBILITY

Available Wattages	Cutttable Length	LED Pitch	Color Temp.	lm/W without Lens	Delivered Lumens with Clear Lens (lm/ft / lm/m)	Delivered Lumens with Milky Lens (lm/ft / lm/m)	Delivered Lumens with Black Lens (lm/ft / lm/m)	Max 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	47 / 155	44 / 145	IP20: 49 ft (15 m) IP65: 32.8 ft (10 m)	✓	✓	
			2000K	99	69 / 227	56 / 183	52 / 171				
			2200K	109	76 / 249	61 / 201	57 / 188				
			2400K	113	79 / 259	64 / 209	59 / 195				
			2700K	123	86 / 281	69 / 227	65 / 212				
			3000K	123	86 / 281	69 / 227	65 / 212				
			3500K	130	91 / 297	73 / 240	68 / 224				
			4000K	134	93 / 307	75 / 247	70 / 231				
			6000K	131	91 / 300	74 / 242	69 / 226				
1.5 Static White Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	1800K	84	117 / 384	95 / 310	88 / 289	IP20: 49 ft (15 m) IP65: 32.8 ft (10 m)	✓	✓	
			2000K	98	137 / 384	110 / 362	103 / 338				
			2200K	109	152 / 499	123 / 402	114 / 375				
			2400K	113	158 / 517	127 / 417	119 / 389				
			2700K	123	172 / 563	138 / 454	129 / 424				
			3000K	123	172 / 563	138 / 454	129 / 424				
			3500K	129	180 / 590	145 / 476	135 / 444				
			4000K	134	187 / 613	151 / 495	141 / 462				
			6000K	131	183 / 600	147 / 484	138 / 451				
2.2 Static White Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	1800K	83	170 / 557	137 / 449	128 / 419	IP20: 42 ft (12.8 m) IP65: 32.8 ft (10 m)	✓	✓	
			2000K	96	196 / 644	158 / 520	148 / 485				
			2200K	106	217 / 712	175 / 574	163 / 536				
			2400K	111	227 / 745	183 / 601	171 / 561				
			2700K	120	246 / 806	198 / 650	185 / 606				
			3000K	122	250 / 819	201 / 660	188 / 616				
			3500K	127	260 / 852	210 / 687	196 / 642				
			4000K	133	272 / 893	219 / 720	205 / 672				
			6000K	128	262 / 859	211 / 693	197 / 647				
3.0 Static White Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	1800K	84	234 / 769	189 / 620	176 / 579	IP20: 36 ft (11 m) IP65: 32.8 ft (10 m)	✓	✓	
			2000K	98	273 / 897	221 / 723	206 / 675				
			2200K	108	301 / 989	243 / 797	227 / 744				
			2400K	109.8	306 / 1005	247 / 811	231 / 756				
			2700K	122.9	343 / 1125	277 / 907	258 / 847				
			3000K	130	363 / 1190	293 / 960	273 / 896				
			3500K	133	371 / 1217	299 / 982	279 / 916				
			4000K	133	371 / 1217	299 / 982	279 / 916				
			6000K	128	357 / 1172	288 / 945	269 / 882				
4.4 Static White Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	1800K	81	331 / 1087	267 / 877	249 / 818	28 ft 4 in. (8.64 m)	✓	✓	
			2000K	95	389 / 1275	314 / 1029	293 / 960				
			2200K	105	430 / 1410	347 / 1137	323 / 1061				
			2400K	109	446 / 1463	360 / 1180	336 / 1101				
			2700K	122	499 / 1638	403 / 1321	376 / 1233				
			3000K	129	528 / 1732	426 / 1397	397 / 1304				
			3500K	132	540 / 1772	436 / 1429	407 / 1334				
			4000K	132	540 / 1772	436 / 1429	407 / 1334				
			6000K	126	516 / 1692	416 / 1364	388 / 1273				
5.0 Static White Series 2	1.4 in. (35.7 mm)	68 LEDs/ft (224 LEDs/m)	1800K	83	386 / 1266	311 / 1021	291 / 953	IP20: 33 ft 4 in. (10.1 m) IP65: 32.8 ft (10 m)	✓	✓	
			2000K	98	456 / 1495	368 / 1206	343 / 1125				
			2200K	107	498 / 1632	401 / 1316	375 / 1229				
			2400K	110	511 / 1675	412 / 1351	384 / 1261				
			2700K	123	571 / 1875	461 / 1512	430 / 1411				
			3000K	130	605 / 1983	488 / 1599	455 / 1493				
			3500K	133	618 / 2029	499 / 1636	466 / 1527				
			4000K	133	618 / 2029	499 / 1636	466 / 1527				
			6000K	127	591 / 1937	476 / 1562	445 / 1458				

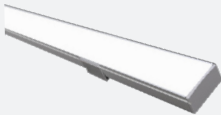
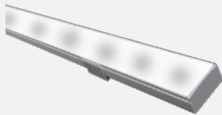
RIBBONLYTE SPECIFICATIONS & COMPATIBILITY

Available Wattages	Cuttable Length	LED Pitch	Color Temp.	lm/W without Lens	Delivered Lumens with Clear Lens (lm/ft / lm/m)	Delivered Lumens with Milky Lens (lm/ft / lm/m)	Delivered Lumens with Black Lens (lm/ft / lm/m)	Max Length	Compatible with Channel		
									IP20	IP65	IP68
6.0 Static White Series 2	1.4 in. (35.7 mm)	68 LEDs/ft (224 LEDs/m)	1800K	82	458 / 1501	369 / 1211	344 / 1130	28 ft (8.5 m)	✓	✓	
			2000K	95	530 / 1739	428 / 1403	399 / 1309				
			2200K	106	591 / 1941	477 / 1565	445 / 1461				
			2400K	109	608 / 1995	491 / 1609	458 / 1502				
			2700K	122	681 / 2233	549 / 1801	512 / 1681				
			3000K	129	720 / 2362	581 / 1905	542 / 1778				
			3500K	132	737 / 2417	594 / 1949	554 / 1819				
			4000K	132	737 / 2417	594 / 1949	554 / 1819				
			6000K	126	703 / 2307	567 / 1860	529 / 1736				
0.75 Static Color Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	Red	41	29 / 94	23 / 76	22 / 71	IP20: 49 ft (15 m) IP65: 32.8 ft (10 m)	✓	✓	
			Green	175	122 / 400	98 / 323	92 / 301				
			Blue	19	13 / 43	11 / 35	10 / 33				
			Amber	34	24 / 78	19 / 63	18 / 59				
1.5 Static Color Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	Red	42	59 / 192	47 / 155	44 / 145	IP20: 49 ft (15 m) IP65: 32.8 ft (10 m)	✓	✓	
			Green	160	223 / 732	180 / 591	168 / 551				
			Blue	18	25 / 82	20 / 66	19 / 62				
			Amber	34	47 / 156	38 / 125	36 / 117				
2.2 Static Color Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	Red	42	86 / 282	69 / 227	65 / 212	IP20: 42 ft (12.8 m) IP65: 32.8 ft (10 m)	✓	✓	
			Green	145	297 / 973	239 / 785	223 / 733				
			Blue	18	37 / 121	30 / 97	28 / 91				
			Amber	34	70 / 228	56 / 184	52 / 172				
3.0 Static Color Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	Red	40	112 / 366	90 / 295	84 / 267	32.8 ft (10 m)	✓	✓	
			Green	127	354 / 1162	286 / 937	267 / 875				
			Blue	25	70 / 229	56 / 185	53 / 172				
			Amber	29	81 / 265	65 / 214	61 / 200				
4.4 Static Color Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	Red	38	155 / 510	125 / 411	117 / 384	29 ft (8.8 m)	✓	✓	
			Green	117	479 / 1571	386 / 1267	360 / 1182				
			Blue	24	98 / 322	79 / 260	74 / 243				
			Amber	25	102 / 336	83 / 271	77 / 253				
5.0 Static Color Series 2	1.4 in. (35.7 mm)	68 LEDs/ft (224 LEDs/m)	Red	37	172 / 564	139 / 455	130 / 425	30 ft (9.14 m)	✓	✓	
			Green	116	539 / 1770	435 / 1427	406 / 1332				
			Blue	24	112 / 366	90 / 295	84 / 276				
			Amber	26	121 / 397	98 / 320	91 / 299				
6.0 Static Color Series 2	1.4 in. (35.7 mm)	68 LEDs/ft (224 LEDs/m)	Red	37	206 / 677	167 / 546	155 / 510	28 ft (8.5 m)	✓	✓	
			Green	113	631 / 2069	509 / 1668	475 / 1557				
			Blue	23	128 / 421	104 / 340	97 / 317				
			Amber	24	134 / 439	108 / 354	101 / 331				
1.0 Variable White Series 2	1.97 in. (50 mm)	42 LEDs/ft (140 LEDs/m)	2000K + 6500K	85	79 / 259	64 / 209	60 / 195	32.8 ft (10 m)	✓	✓	
3.0 Variable White Series 2	1.97 in. (50 mm)	42 LEDs/ft (140 LEDs/m)	2000K + 6500K	80	223 / 732	180 / 591	168 / 551	32.8 ft (10 m)	✓	✓	
6.0 Variable White Series 2	1.97 in. (50 mm)	42 LEDs/ft (140 LEDs/m)	2000K + 6500K	75	419 / 1373	338 / 1107	315 / 1033	32.8 ft (10 m)	✓	✓	

RIBBONLYTE SPECIFICATIONS & COMPATIBILITY

Available Wattages	Cutttable Length	LED Pitch	Color Temp.	lm/W without Lens	Delivered Lumens with Clear Lens (lm/ft / lm/m)	Delivered Lumens with Milky Lens (lm/ft / lm/m)	Delivered Lumens with Black Lens (lm/ft / lm/m)	Max Length	Compatible with Channel		
									IP20	IP65	IP68
5.2 Warm Dim	3.94 in. (100 mm)	36 LEDs/ft (120 LEDs/m)	WARM DIM	55	266 / 873	215 / 704	200 / 657	16 ft 4 in. (5 m)	✓	✓	

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 Static White	0.75/1.5/2.2 Static Color	3.0/4.4	5.0/6.0	Warm Dim	Variable White
IP20 IP65	IP20 IP65	IP20 IP65	IP20 IP65	IP20 IP65	IP20 IP65
N	Y	N	N	N	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



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

DIMMING MODULE



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



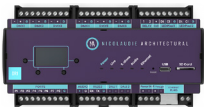
5 ZONE WALL CONTROLLER

Part Number: DMXCTRL



10 ZONE WALL CONTROLLER

Part Number: DMXCTRLD



2 UNIVERSE DMX CONTROLLER

Part Number: DMXCTRLDR2U



4 CHANNEL WATERPROOF
DMX INTERFACE

Part Number: DMXINFWLCD4



5 CHANNEL
DMX INTERFACE

Part Number: DMXINFLCD5



DMX OPTO SPLITTER

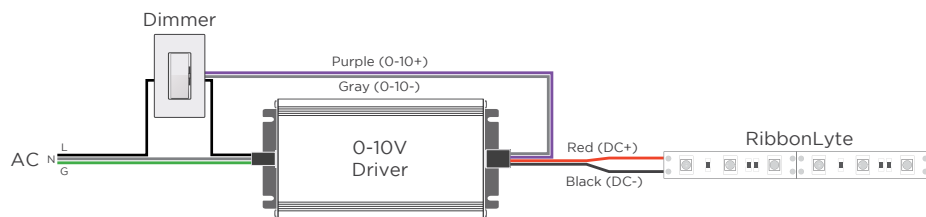
Part Number: DMXOS8

DRIVER AND RIBBONLYTE AT FULL LOAD

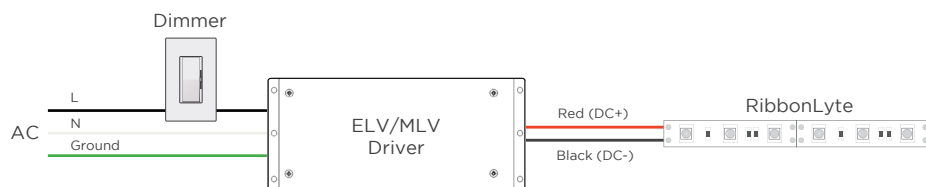
Wattages		30		60		96		150		200		240		300		320	
Wire Gauge		Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters
24 AWG		14	4.27	9	2.74	5.5	1.68	3.75	1.14	2.75	0.84	2.25	0.69	1.75	0.53	1.75	0.53
22 AWG		22	6.71	14	4.27	9	2.74	5.75	1.75	4.5	1.37	3.5	1.07	2.75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

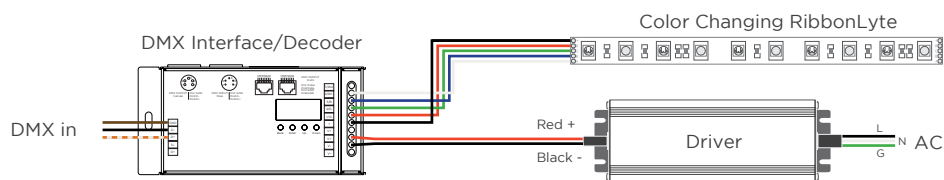
0-10V



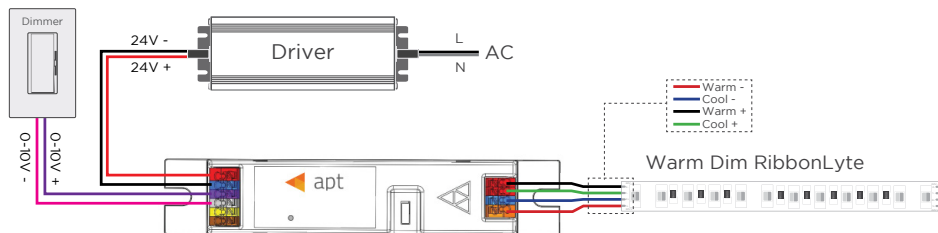
MLV / ELV



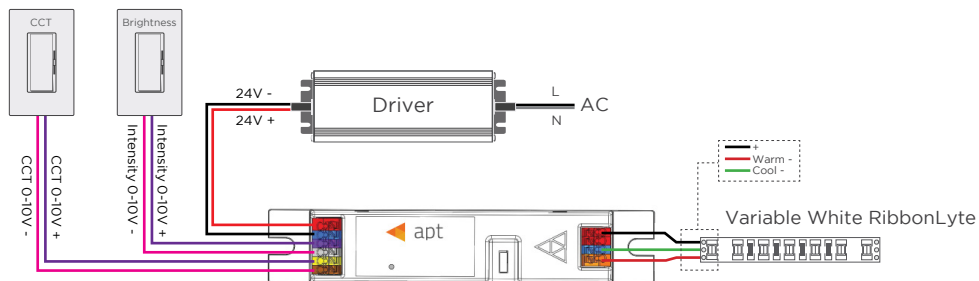
DMX



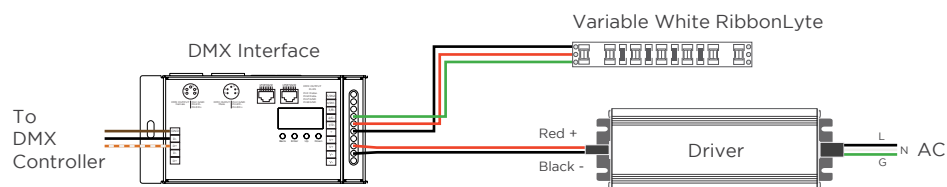
WARM DIM



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