

### AS10 CHANNEL FIXTURE

AS10 Channel is a surface mounted aluminum extrusion that offers clear or milky lens options. With a beam angle of 110 degrees, AS10 Channel fits RibbonLyte strips with a maximum width up to 0.39 in. (10 mm).

- 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 4.4 W/ft (14.4 W/m)
- Static White delivered lumen range from 47 lm/ft (155 lm/m) up to 585 lm/ft (1920 lm/m)
- Clear or Milky Lens
- Continuous run length for Milky Lens is up to 66 ft (20 m)



### HOUSING FINISHES

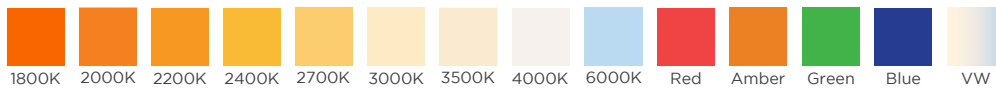


\*Additional fee applies

### LENS FINISHES



### AVAILABLE COLORS & COLOR TEMPERATURES



### DIMENSIONS

AS10 Channel	Mounting Clip (included accessory)
<p>0.39 in. (10 mm) 0.31 in. (8 mm) 110° 0.47 in. (12 mm) 0.47 in. (12 mm)</p> <p><b>Width:</b> 0.47 in. (12 mm) <b>Height:</b> 0.47 in. (12 mm) <b>Internal Width:</b> 0.39 in. (10 mm) <b>Internal Height:</b> 0.31 in. (8 mm)</p>	<p>Material: stainless steel</p> <div style="display: flex; justify-content: space-around;"> <div> <p><b>Side View</b></p> <p>0.52 in. (13.1 mm) 0.2 in. (5 mm)</p> <p><b>Width:</b> 0.52 in. (13.1 mm) <b>Length:</b> 0.63 in. (16 mm)</p> </div> <div> <p><b>Top View</b></p> <p>0.63 in. (16 mm)</p> </div> <div> <p><b>Assembled View</b></p> <p><b>Option 1:</b> 0.57 in. (14.4 mm) 0.52 in. (13.1 mm) <b>Option 2:</b> 0.51 in. (13 mm)</p> <p><b>Width:</b> 0.52 in. (13.1 mm) <b>Height (option 1):</b> 0.57 in. (14.4 mm) <b>Height (option 2):</b> 0.51 in. (13 mm)</p> </div> </div> <p><b>Note:</b></p> <ol style="list-style-type: none"> <li>1. <b>Magnetic mounting</b> option available (see page 2)</li> <li>2. <b>Exterior channel applications</b> 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.</li> </ol>

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**SPECIFICATIONS**

<b>Beam Angle</b>	110°
<b>Lens Type</b>	Clear Lens, Milky Lens (continuous run length for Milky Lens is up to 66 ft / 20 m)
<b>Length</b>	Channel is sold by the foot and cut to your exact desired length. Required amount of mounting clips included.
<b>Operating Voltage</b>	24 V
<b>Dimming</b>	MLV / 0-10 Volt / ELV / DALI / CASAMBI
<b>Operating Temperature</b>	-40 – 158 °F (-40 – 70 °C)
<b>Colors</b>	1800K, 2000K, 2200K, 2400K, 2700K, 3000K, 3500K, 4000K, 6000K, Red, Amber, Green, Blue, VW (1800K, 2000K, 2200K only available in IP20)
<b>CRI</b>	90+ CRI (for Static White LEDs only)
<b>Lamp Life</b>	L70 at 50,000 hours
<b>MacAdam ellipse (SDCM)</b>	1-Step Binning (for Static White LEDs only)
<b>Certifications</b>	UL 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

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

<p><b>Tilttable Stand</b></p> <p>Assembled Height with Channel (Option 1): 1.43 in. (36.2 mm) Assembled Height with Channel (Option 2): 1.37 in. (34.8 mm)</p>	<p><b>End Caps</b></p> <p>Material: ABS</p>
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**Magnetic Mount (Part #: CHMAG0.5)**

**Features:**

- High-energy neodymium magnets come attached to mounting clips with countersink hex nuts
- Create easy-mount magnetic channels with minimal surface gaps; no tools or drilling necessary
- Magnets rated for 8 lbs. of pull force with static load

**Applications:**

- Industrial lighting retrofits for troffers and other metal fixtures
- Metal retail shelf lighting
- Temporary light fixture installations

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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** ** Additional fee applies Consult factory for custom colors

\* Continuous run length for Milky Lens is up to 66 ft (20 m)

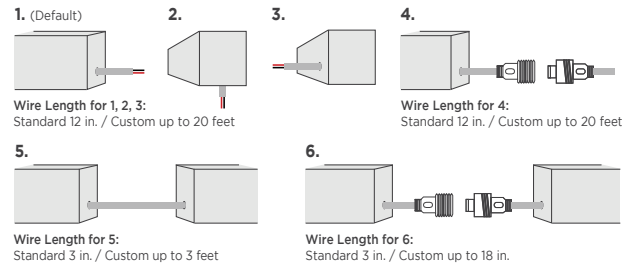
**STEP 2** Complete RibbonLyte Part Number

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	LINEA20 - Linea RibbonLyte IP20 VWS220 - VW Series 2 IP20 VWS265 - VW Series 2 IP65 XACTA20 - Xacta RibbonLyte IP20

**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, Variable White)	22 - 2200K G - Green
2.2 - 2.2 W/ft (7.2 W/m - Static White, Static Color)	24 - 2400K B - Blue
2.4 - 2.4 W/ft (8 W/m - Static White Linea)	27 - 2700K VW - Variable White
3.0 - 3.0 W/ft (9.8 W/m - Static White, Static Color, Variable White)	30 - 3000K Z - Undecided (For quotes only. Must be chosen before final order.)
4.3 - 4.3 W/ft (14 W/m - Static White Linea)	35 - 3500K
4.4 - 4.4 W/ft (14.4 W/m - Static White, Static Color)	40 - 4000K
4.5 - 4.5 W/ft (14.8 W/m - Static White, Variable White)	60 - 6000K
6.0 - 6.0 W/ft (19.7 W/m - Variable White)	
6.1 - 6.1 W/ft (20 W/m - Variable White Linea)	

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	

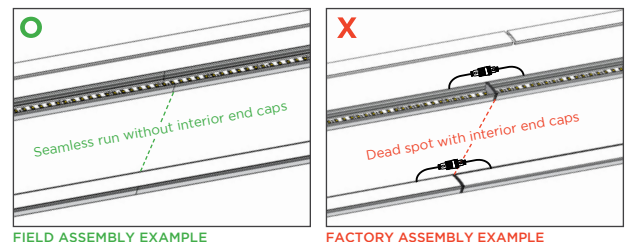


**STEP 3** Complete Assembly Option & Length

ASSEMBLY OPTION	LENGTH (Standard factory assembled length up to 6 ft 6.7 in. / 2 m)
FI - Field Assembly	
FA - Factory Assembly*** (not recommended for exterior applications)	

\*\*\* Factory assembled runs exceeding 6 ft 6.7 in. (2 m) will be split into multiple daisy chained fixtures.

**DO NOT BUTT END CAPS AGAINST EACH OTHER WHEN CREATING LONGER FIXTURES**  
Acolyte STRONGLY SUGGESTS field assembly (without using interior end caps) for direct-view fixtures of more than 6 ft 6.7 in. (2 m) in length. Field assembly without interior end caps will eliminate gaps or dead spots that can be caused by butting interior end caps against each other.



**STEP 4** Add Accessories

ACCESSORIES
TILTSTANDST - Tilttable Stand
CHMAGO.5 - Magnetic Mount

**RIBBONLYTE SPECIFICATIONS & COMPATIBILITY**

Available Wattages	Cuttable Length	LED Pitch	Colors & CCTs	lm/W without Lens	Delivered Lumens with Clear Lens		Delivered Lumens with Milky Lens		Max Length	Compatible with Channel		
					lm/ft	lm/m	lm/ft	lm/m		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	IP20: 49 ft (15 m) IP65: 32.8 ft (10 m)	✓	✓	
			2000K	99	69	227	56	183				
			2200K	109	76	249	61	201				
			2400K	113	79	259	64	209				
			2700K	123	86	281	69	227				
			3000K	123	86	281	69	227				
			3500K	130	91	297	73	240				
			4000K	134	93	307	75	247				
6000K	131	91	300	74	242							
1.5 Static White Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	1800K	84	117	384	95	310	IP20: 49 ft (15 m) IP65: 32.8 ft (10 m)	✓	✓	
			2000K	98	137	449	110	362				
			2200K	109	152	499	123	402				
			2400K	113	158	517	127	417				
			2700K	123	172	563	138	454				
			3000K	123	172	563	138	454				
			3500K	129	180	590	145	476				
			4000K	134	187	613	151	495				
6000K	131	183	600	147	484							
2.2 Static White Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	1800K	83	169.8	557	136.96	449	IP20: 42 ft (12.8 m) IP65: 32.8 ft (10 m)	✓	✓	
			2000K	96	196.4	644	158.4	520				
			2200K	106	216.9	712	174.9	574				
			2400K	111	227.1	745	183.15	601				
			2700K	120	245.5	806	198	650				
			3000K	122	249.6	819	201.3	660				
			3500K	127	259.8	852	209.55	687				
			4000K	133	272.1	893	219.45	720				
6000K	128	261.9	859	211.2	693							
3.0 Static White Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	1800K	84	234	769	189	620	IP20: 36 ft (11 m) IP65: 32.8 ft (10 m)	✓	✓	
			2000K	98	273	897	221	723				
			2200K	108	301	989	243	797				
			2400K	109.8	306	1005	247	811				
			2700K	122.9	343	1125	277	907				
			3000K	130	363	1190	293	960				
			3500K	133	371	1217	299	982				
			4000K	133	371	1217	299	982				
6000K	128	357	1172	288	945							
4.4 Static White Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	1800K	81	331	1087	267	877	28 ft 4 in. (8.64 m)	✓	✓	
			2000K	95	389	1275	314	1029				
			2200K	105	430	1410	347	1137				
			2400K	109	446	1463	360	1180				
			2700K	122	499	1638	403	1321				
			3000K	129	528	1732	426	1397				
			3500K	132	540	1772	436	1429				
			4000K	132	540	1772	436	1429				
6000K	126	516	1692	416	1364							
0.75 Static Color Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	Red	41	29	94	23	76	IP20: 49 ft (15 m) IP65: 32.8 ft (10 m)	✓	✓	
			Green	175	122	400	98	323				
			Blue	19	13.3	43	10.69	35				
			Amber	34	24	78	19	63				
1.5 Static Color Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	Red	42	59	192	47	155	IP20: 49 ft (15 m) IP65: 32.8 ft (10 m)	✓	✓	
			Green	160	223	732	180	591				
			Blue	18	25	82	20	66				
			Amber	34	47	156	38	125				





**RIBBONLYTE SPECIFICATIONS & COMPATIBILITY**

Available Wattages	Cuttable Length	LED Pitch	Colors & CCTs	lm/W without Lens	Delivered Lumens with Clear Lens		Delivered Lumens with Milky Lens		Max Length	Compatible with Channel		
					lm/ft	lm/m	lm/ft	lm/m		IP20	IP65	IP68
2.2 Static Color Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	Red	42	86	282	69	277	IP20: 42 ft (12.8 m)  IP65: 32.8 ft (10 m)	✓	✓	
			Green	145	297	973	239	785				
			Blue	18	37	121	30	97				
			Amber	34	70	228	56	184				
			Red	40	112	366	90	295				
3.0 Static Color Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	Green	127	354	1162	286	937	32.8 ft (10 m)	✓	✓	
			Blue	25	70	229	56	185				
			Amber	29	81	265	65	214				
			Red	38	155	510	125	411				
			Green	117	479	1571	386	1267				
4.4 Static Color Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	Blue	24	98	322	79	260	29 ft (8.8 m)	✓	✓	
			Amber	25	102	336	83	271				
			2700K	67	149.7	491	120.8	396				
			3000K	71	158.1	519.9	127.5	419.3				
			3500K	83	185.1	608.2	149.3	490.5				
2.4 Static White Linea	1.97 in. (50 mm)	146 LEDs/ft (480 LEDs/m)	4000K	83	185.1	608.2	149.3	490.5	21.3 ft (6.5 m)	✓	n/a	n/a
			2700K	66	184.1	604.5	148.5	487.5				
			3000K	73	203.7	668.7	164.3	539.3				
			3500K	78	217.6	714.2	175.5	576				
			4000K	83	231.6	759.8	186.8	612.8				
3.0 Static White Linea	1.97 in. (50 mm)	146 LEDs/ft (480 LEDs/m)	2700K	75	300.4	983.9	242.3	793.5	21.3 ft (6.5 m)	✓	n/a	n/a
			3000K	78	311.6	1023	251.3	825				
			3500K	86	344.1	1128	277.5	910.5				
			4000K	86	344.1	1128	277.5	910.5				
			2700K	95	539.4	1769.8	435	1427				
6.1 Variable White Linea	1.09 in. (27.78 mm)	175 LEDs/ft (576 LEDs/m)	1800K	71	110.2	361.6	83.9	275.1	16.4 ft (5 m)	✓	n/a	n/a
			2000K	84	130.1	426.8	99	324.7				
			2200K	92	142.7	468.3	108.6	356.3				
			2400K	96	148.2	486.1	112.7	369.8				
			2700K	109	168	551.3	127.9	419.4				
			3000K	113	175.3	575	133.4	437.5				
			3500K	117	180.7	592.8	137.5	451				
			4000K	115	177.1	580.9	134.7	442				
			6000K	112	173.5	569	132	433				
			1800K	71	196.3	643.9	149.3	489.9				
1.5 Static White Xacta	0.2 in. (5 mm)	61 LEDs/ft (200 LEDs/m)	2000K	84	130.1	426.8	99	324.7	32.74 ft (9.98 m)	✓	n/a	n/a
			2200K	92	142.7	468.3	108.6	356.3				
			2400K	96	148.2	486.1	112.7	369.8				
			2700K	109	168	551.3	127.9	419.4				
			3000K	113	175.3	575	133.4	437.5				
			3500K	117	180.7	592.8	137.5	451				
			4000K	115	177.1	580.9	134.7	442				
			6000K	112	173.5	569	132	433				
			1800K	71	231.6	759.8	186.8	612.8				
			2000K	84	231.6	759.8	186.8	612.8				
3.0 Static White Xacta	0.2 in. (5 mm)	61 LEDs/ft (200 LEDs/m)	2200K	92	254.2	833.9	193.4	634.5	23.62 ft (7.2 m)	✓	n/a	n/a
			2400K	95	263.8	865.6	200.7	658.6				
			2700K	108	299.2	981.7	227.7	747				
			3000K	113	312.1	1023.9	237.4	779.1				
			3500K	116	321.7	1055.6	244.8	803.2				
			4000K	114	315.3	1034.5	239.9	787.1				
			6000K	111	308.9	1013.4	235	771.1				
			1800K	72	299.6	983	228	747.9				
			2000K	85	353.7	1160.3	269.1	882.8				
			2200K	93	388	1273.1	295.2	968.6				
4.5 Static White Xacta	0.2 in. (5 mm)	61 LEDs/ft (200 LEDs/m)	2400K	97	402.8	1321.4	306.5	1005.4	19.03 ft (5.8 m)	✓	n/a	n/a
			2700K	110	456.8	1498.7	347.6	1140.3				
			3000K	114	476.5	1563.1	362.5	1189.3				
			3500K	118	491.2	1611.5	373.7	1226.1				
			4000K	116	481.4	1579.2	366.3	1201.6				
			6000K	113	471.5	1547	358.8	1177.1				
			1800K	72	299.6	983	228	747.9				
			2000K	85	353.7	1160.3	269.1	882.8				
			2200K	93	388	1273.1	295.2	968.6				
			2400K	97	402.8	1321.4	306.5	1005.4				
1.5 Variable White Xacta	0.2 in. (5 mm)	122 LEDs/ft (400 LEDs/m)	2400K 6000K	138	189.1	620.4	143.9	472	32.15 ft (9.8 m)	✓	n/a	n/a
3.0 Variable White Xacta	0.2 in. (5 mm)	122 LEDs/ft (400 LEDs/m)	2400K 6000K	136	371.1	1217.7	282.4	926.5	22.31 ft (6.8 m)	✓	n/a	n/a
4.5 Variable White Xacta	0.2 in. (5 mm)	122 LEDs/ft (400 LEDs/m)	2400K 6000K	134	524.2	1719.8	398.9	1308.5	19.03 ft (5.8 m)	✓	n/a	n/a
1.0 Variable White Series 2	1.97 in. (50 mm)	42 LEDs/ft (140 LEDs/m)	2000K 6500K	85	79	259	64	209	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	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	337.5	1107	19 ft 8 in. (6 m)	✓	✓	

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



 <b>No Visible Diode = N</b> Note: Linea RibbonLyte has no visible diode		 <b>With Visible Diode = Y</b>	
Static White and Static Color Series 2	Static White and Variable White Xacta	Variable White Series 2	
0.75/1.5/2.2/3.0/4.4	1.5/3.0/4.5	1.0/3.0/6.0	
IP20/IP65	IP20/IP65	IP20/IP65	
N	N	N	

AVAILABLE DRIVERS / CONTROLLERS AND DIMMING OPTIONS / WIRE GAUGE CHART

0-10V/ELV/MLV 3-IN-1	ELV	0-10V VW/WD	COMPACT
			
<p><b>60W, 96W, 288W 0-10V/ELV/MLV 3-in-1 Dimmable Drivers</b></p> <p>Part No.:</p> <ul style="list-style-type: none"> <li>• DRVW2460TRI010 (60 W)</li> <li>• DRVW2496TRI010 (96 W)</li> <li>• DRVW24288TRI010 (288 W)</li> </ul> <p>24 VDC 120-277 VAC IP65, dry/damp/wet locations UL Listed</p>	<p><b>60W Dimmable Driver</b></p> <p>Part No.:</p> <ul style="list-style-type: none"> <li>• DRVW2460ELV</li> </ul> <p>24 VDC 100-130 VAC Fits in single-gang switch boxes IP20, dry locations UL Recognized</p>	<p><b>0-10V Dimmable 90W VW/WD Driver</b></p> <p>Part No.:</p> <ul style="list-style-type: none"> <li>• DRVRFWDVW2490120</li> </ul> <p>24 VDC 100-277 VAC IP23, dry/damp locations UL Listed</p>	<p><b>60W, 96W Non-Dimming Compact Drivers</b></p> <p>Part No.:</p> <ul style="list-style-type: none"> <li>• DRV2460C (60 W)</li> <li>• DRV2496C (96 W)</li> </ul> <p>24 VDC 120-277 VAC IP20, dry locations UL Class P</p>

ATHENA WIRELESS COMPATIBLE	CASAMBI COMPATIBLE DRIVERS	DIMMABLE DALI-2 DRIVERS	DIMMABLE DALI-2 DRIVERS
			
<p><b>94W Athena Wireless Compatible Drivers</b></p> <p>Part No.:</p> <ul style="list-style-type: none"> <li>• DRVW2494ATH1CH (1 channel)</li> <li>• DRVW2494ATH2CH (2 channel)</li> </ul> <p>24 VDC 100-277 VAC Dry locations UL Listed</p>	<p><b>100W &amp; 200W Casambi Compatible 4 Channel Drivers</b></p> <p>Part No.:</p> <ul style="list-style-type: none"> <li>• DRVW24100CAS4CH (100 W)</li> <li>• DRVW24200CAS4CH (200 W)</li> </ul> <p>24 VDC 100-277 VAC IP66, dry/damp/wet locations UL Listed, CE, RoHS, Bluetooth, CASAMBI</p>	<p><b>96W DIMMABLE DALI-2 DT6 D4I &amp; DALI-2 DT8 D4I DRIVERS</b></p> <p>Part No.:</p> <ul style="list-style-type: none"> <li>• DRVW2496DALI1CH (1 channel)</li> <li>• DRVW2496DALI2CH (2 channel)</li> </ul> <p>24-26 VDC 120-277 VAC IP67, dry/damp/wet locations UL Listed</p>	<p><b>75W, 150W, 240W DALI-2 Dimmable Drivers</b></p> <p>Part No.:</p> <ul style="list-style-type: none"> <li>• DRVW2475DALI1CH (75 W, 1 channel)</li> <li>• DRVW24150DALI1CH (150 W, 1 channel)</li> <li>• DRVW24240DALI1CH (240 W, 1 channel)</li> <li>• DRV24150DALI2CH (150 W, 2 channels)</li> <li>• DRV24150DALI4CH (150 W, 4 channels)</li> </ul> <p>24 VDC 120-277 VAC IP67, damp/wet locations (1-channel drivers only) IP20, dry location (2-channel &amp; 4-channel drivers only) CE, RoHS, SELV</p>

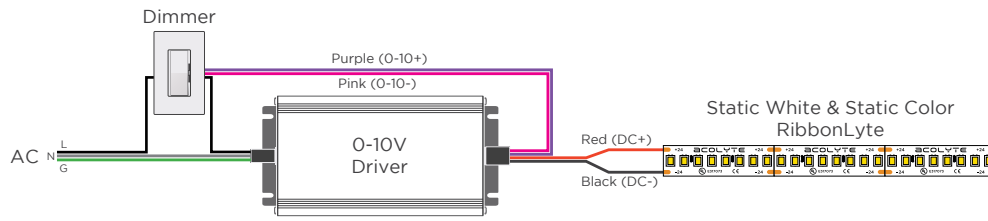
DMX CONTROLLERS, VARIABLE WHITE DIMMER, WARM DIM DIMMER - FOR COLOR CHANGING FIXTURES

				
<p><b>GLASS TOUCH WALL CONTROLLERS</b></p> <p>Part No.:</p> <ul style="list-style-type: none"> <li>• AWCRGBWBK</li> <li>• AWCVWBK</li> </ul>	<p><b>1 ZONE WALL CONTROLLER</b></p> <p>Part No.: DMXCTRLG</p>	<p><b>5 ZONE WALL CONTROLLER</b></p> <p>Part No.: DMXCTRL</p>	<p><b>10 ZONE WALL CONTROLLER</b></p> <p>Part No.: DMXCTRLD</p>	<p><b>6 UNIVERSE DMX CONTROLLER</b></p> <p>Part No.: DMXCTRLDR6U</p>
				
<p><b>VARIABLE WHITE DIMMER</b></p> <p>Part No.:</p> <ul style="list-style-type: none"> <li>• RFDIMVWWH (White)</li> <li>• RFDIMVWBK (Black)</li> </ul>	<p><b>WARM DIM DIMMER</b></p> <p>Part No.:</p> <ul style="list-style-type: none"> <li>• RFDIMWDWH (White)</li> <li>• RFDIMWDBK (Black)</li> </ul>	<p><b>4 CHANNEL WATERPROOF DMX INTERFACE</b></p> <p>Part No.: DMXINFWLC4D</p>	<p><b>5 CHANNEL DMX DECODER</b></p> <p>Part No.: DMXINF5</p>	<p><b>DMX OPTO SPLITTER</b></p> <p>Part No.: DMXOS8</p>

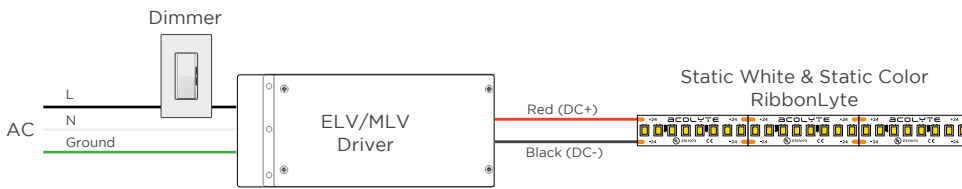
Wattages	30		60		96		150		200		240		300		320	
	Wire Gauge	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters	
24 AWG / 0.25 mm <sup>2</sup>	14	4.27	9	2.74	5.5	1.68	3.75	1.14	2.75	0.84	2.25	0.69	1.75	0.53	1.75	0.53
22 AWG / 0.34 mm <sup>2</sup>	22	6.71	14	4.27	9	2.74	5.75	1.75	4.5	1.37	3.5	1.07	2.75	0.84	2.75	0.84
20 AWG / 0.5 mm <sup>2</sup>	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 / 0.75 mm <sup>2</sup>	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 / 1.5 mm <sup>2</sup>	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 / 2.5 mm <sup>2</sup>	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 / 4 mm <sup>2</sup>	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 / 6 mm <sup>2</sup>	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 / 10 mm <sup>2</sup>	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 - STATIC WHITE / STATIC COLOR / RGBW / RGBA / RGBWW

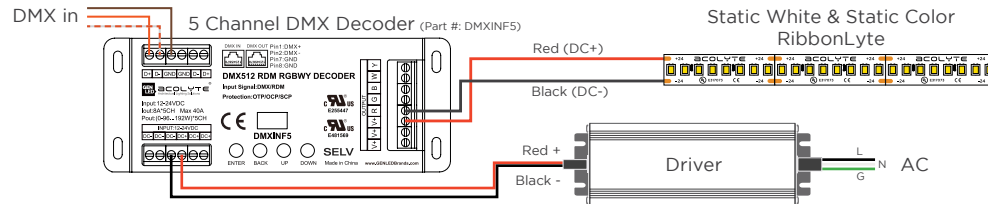
0-10 V



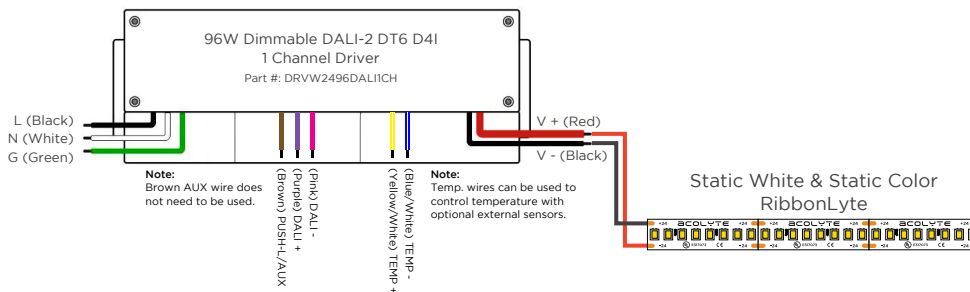
MLV / ELV



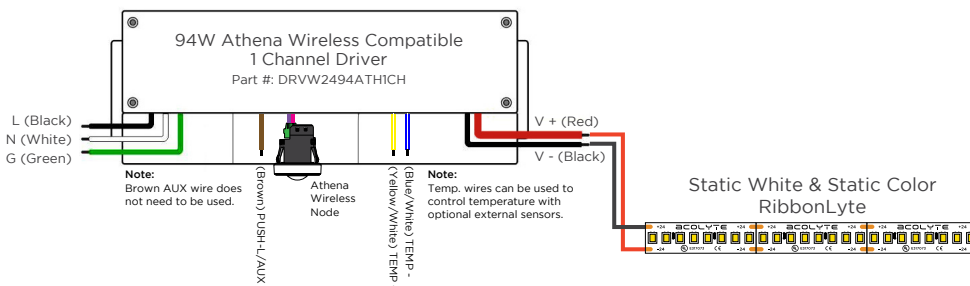
DMX WIRING WITH STATIC WHITE & STATIC COLOR RIBBONLYTE



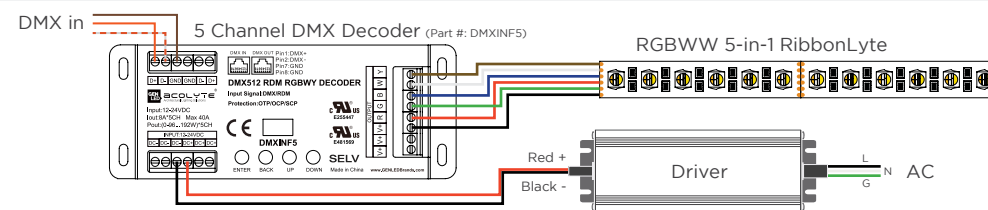
DALI-2 WIRING WITH STATIC WHITE & STATIC COLOR RIBBONLYTE



STATIC WHITE & STATIC COLOR RIBBONLYTE WIRING WITH ATHENA WIRELESS COMPATIBLE DRIVER



DMX WITH RGBWW 5-IN-1 RIBBONLYTE



WIRE COLORS PER RIBBONLYTE COLOR

STATIC WHITE + STATIC COLOR

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

RGBW + RGBA

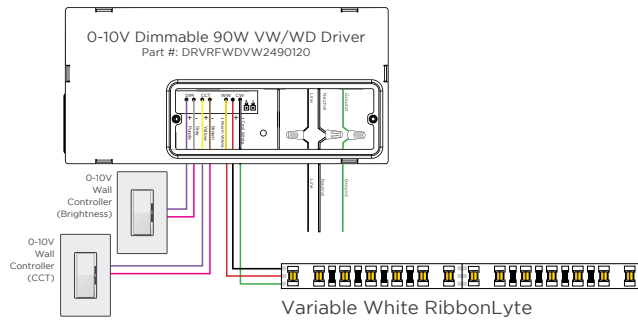
Black Wire (+) Positive  
Green Wire (-) goes to Green Channel  
Red Wire (-) goes to Red Channel  
Blue Wire (-) goes to Blue Channel  
White Wire (-) goes to White Channel

RGBWW

Black (+) Positive  
Green Wire (-) goes to Green Channel  
Red Wire (-) goes to Red Channel  
Blue Wire (-) goes to Blue Channel  
White Wire (-) goes to White Channel 1  
Brown Wire (-) goes to White Channel 2

WIRING DIAGRAMS - VARIABLE WHITE

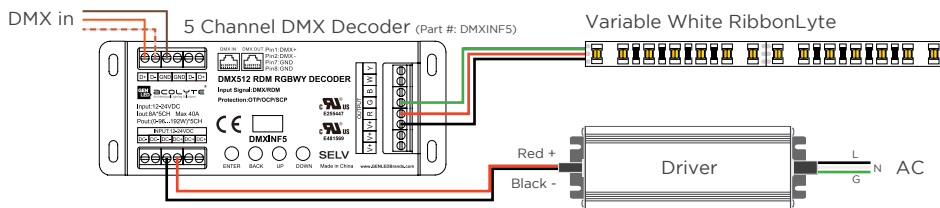
2-CHANNEL VARIABLE WHITE DIMMING



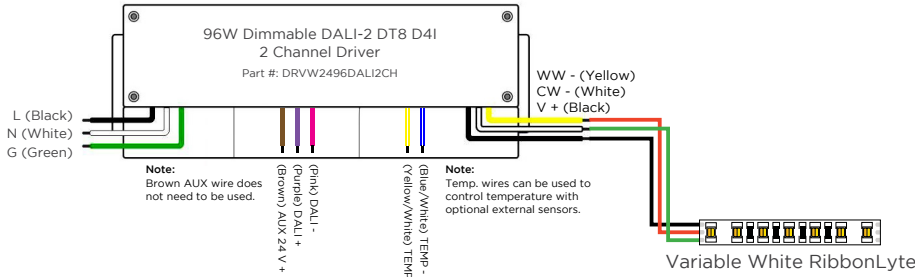
WIRE COLORS PER RIBBONLYTE COLOR

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

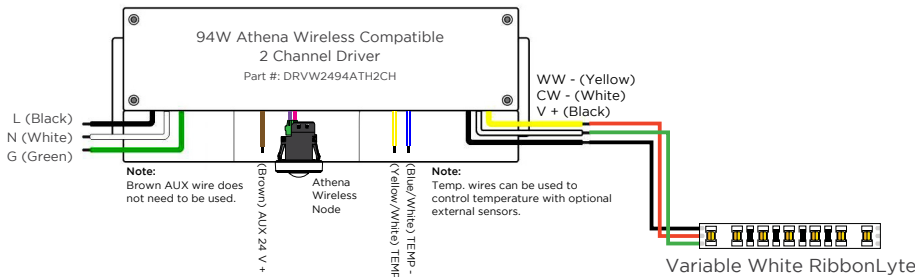
DMX WIRING WITH VARIABLE WHITE RIBBONLYTE



DALI-2 WIRING WITH VARIABLE WHITE RIBBONLYTE



VARIABLE WHITE RIBBONLYTE WIRING WITH ATHENA WIRELESS COMPATIBLE DRIVER



REV.25JUN2026

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