GEN LED acolyte®
Architectural Lighting Solutions

Date | Project

Notes

AS16 CHANNEL FIXTURE

The new AS16 is a surface mounted channel with an economical profile that comes with clear, milky and black lens options. With a beam angle of 110 degrees, the AS16 fits LED strips with a maximum width of up to .63 in. (16 mm).

- Available for field assembly or factory assembly
- 0.74 in. (18.8 mm) wide by 0.73 in. (18.6 mm) deep
- Beam Angle 110°
- Wattage Range from 0.75 W/ft (2.46 W/m) to 8.8 W/ft (28.86 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



Silver Standard | **Black*** | **White*** | **Custom RAL***

*Additional fee applies

LENS FINISHES



Clear Lens 93% Light Transmission

Milky Lens 75% Light Transmission

Black Lens** 70% Light Transmission

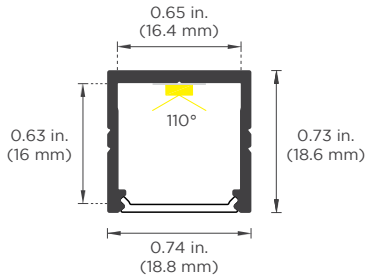
**Our black lens offers great diffusion and helps hide fixtures that aren't in use.

AVAILABLE COLORS & COLOR TEMPERATURES



DIMENSIONS

AS16 Channel

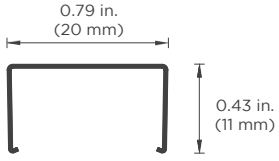


Width: 0.74 in. (18.8 mm)
Height: 0.73 in. (18.6 mm)
Internal Width: 0.65 in. (16.4 mm)
Internal Height: 0.63 in. (16 mm)

Mounting Clip (included accessory)

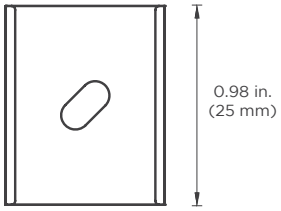
Material: stainless steel

Side View

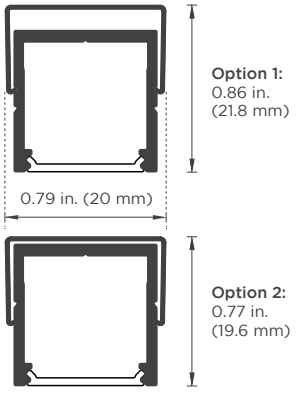


Width: 0.79 in. (20 mm)
Length: 0.98 in. (25 mm)

Top View



Assembled View





Note:
1. **Magnetic mounting** option available (see page 2)
2. **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.

Width: 0.79 in. (20 mm)
Height (option 1): 0.86 in. (21.8 mm)
Height (option 2): 0.77 in. (19.6 mm)

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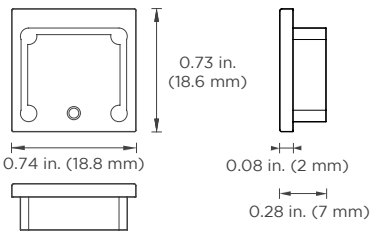
SPECIFICATIONS

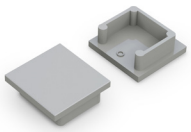
Beam Angle	110°
Lens Type	Clear Lens, Milky Lens, Black Lens
Length	Channel is sold by the foot and cut to your exact desired length. Required amount of mounting clips included.
Operating Voltage	24 V
Dimming	MLV / 0-10 Volt / ELV / DALI / DMX / CASAMBI
Operating Temperature	-40 — 158 °F (-40 — 70 °C)
Colors	1800K, 2000K, 2200K, 2400K, 2700K, 3000K, 3500K, 4000K, 6000K, Red, Amber, Green, Blue, RGBA, RGBW, RGBWW, VW, Warm Dim (1800K, 2000K, 2200K, Pixel RGB only available in IP20)
CRI	90+ CRI (for Static White LEDs only)
Lamp Life	L70 at 50,000 hours
MacAdam ellipse (SDCM)	1-Step Binning (for Static White LEDs only)
Certifications	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 Luminaries; with Gen. Inst. 1: 1997, Gen Inst. 2: 1998. ROHS compliant

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

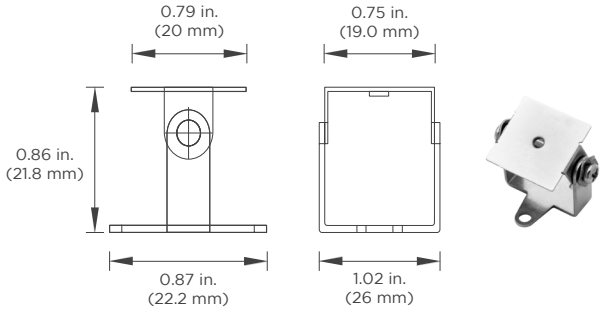
End Caps

Material: ABS





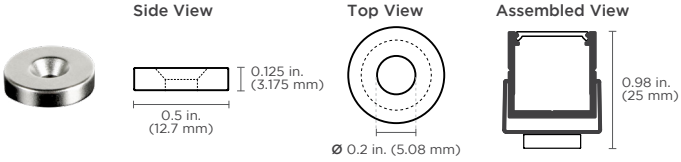
Tiltable Stand (Part #: TILTSTANDST)



Assembled Height with Channel (Option 1): 1.72 in. (43.6 mm)

Assembled Height with Channel (Option 2): 1.63 in. (41.4 mm)

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	
CHAS16				
CHAS16 - AS16 Channel	**C** - Clear Lens	**BK** - Black Lens	**SV** - Silver	**WH** - White*
	M - Milky Lens		**BK** - Black*	** Additional fee applies
				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	**SWS220** - Static White Series 2 IP20	**LINEA20** - Linea RibbonLyte IP20	**VWS220** - VW Series 2 IP20
	90 - 90+ CRI Static White	**SWS265** - Static White Series 2 IP65	**RGBWS220** - RGBW Series 2 IP20	**VWS265** - VW Series 2 IP65
		SWS268 - Static White Series 2 IP68	**RGBWS265** - RGBW Series 2 IP65	**VWS268** - VW Series 2 IP68
		SWS269 - Static White Series 2 IP69	**RGBWW20** - RGBWW 5-in-1 IP20	**VWS269** - VW Series 2 IP69
		SCS220 - Static Color Series 2 IP20	**WD20** - Warm Dim IP20	**XACTA20** - Xacta RibbonLyte IP20
		SCS265 - Static Color Series 2 IP65	**WD65** - Warm Dim IP65	**RGBADD** - Pixel RGB IP20
		SCS268 - Static Color Series 2 IP68	**WD68** - Warm Dim IP68	
		SCS269 - Static Color Series 2 IP69	**WD69** - Warm Dim IP69	

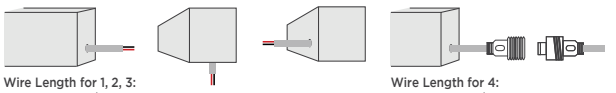
NOTE: To ensure waterproofing standards are met, IP65, IP68 and IP69 RibbonLyte can NOT be cut in the field.

WATTAGE	COLOR	
0.75 - 0.75 W/ft (2.46 W/m - Static White, Static Color)	**18** - 1800K	**RGB27** - Red, Green, Blue + 2700K
1.0 - 1.0 W/ft (3.3 W/m - Variable White)	**20** - 2000K	**RGB30** - Red, Green, Blue + 3000K
1.5 - 1.5 W/ft (4.9 W/m - Static White, Static Color, Variable White)	**22** - 2200K	**RGB40** - Red, Green, Blue + 4000K
2.2 - 2.2 W/ft (7.2 W/m - Static White, Static Color)	**24** - 2400K	**RGB2465** - Red, Green, Blue + 2400K + 6500K
2.4 - 2.4 W/ft (8 W/m - Static White Linea)	**27** - 2700K	**RGBA** - Red, Green, Blue + Amber
3.0 - 3.0 W/ft (9.8 W/m - Static White, Static Color, Variable White)	**30** - 3000K	**RGBS** - Pixel RGB (SPI)
4.3 - 4.3 W/ft (14 W/m - Static White Linea)	**35** - 3500K	**VW** - Variable White 2000K-6500K
4.4 - 4.4 W/ft (14.4 W/m - Static White, Static Color, RGBW, RGBWW, RGBA)	**40** - 4000K	**VW1833** - Variable White 1800K-3300K (IP20)
4.5 - 4.5 W/ft (14.8 W/m - Static White, Variable White)	**60** - 6000K	**2920** - Warm Dim 2900K-2000K (IP20)
5.0 - 5.0 W/ft (16.4 W/m - Static White, Static Color)	**R** - Red	**1830** - Warm Dim 3000K-1800K (IP20)
5.2 - 5.2 W/ft (17.1 W/m - Warm Dim)	**A** - Amber	**2721** - Warm Dim 2700K-2100K (IP65/IP68/IP69)
5.5 - 5.5 W/ft (18.0 W/m - RGBW, RGBA)	**G** - Green	**Z** - Undecided (For quotes only. Must be chosen before final order.)
6.0 - 6.0 W/ft (19.7 W/m - Static White, Static Color, Variable White)	**B** - Blue	
6.1 - 6.1 W/ft (20 W/m - Variable White Linea, Pixel)		
8.8 - 8.8 W/ft (28.9 W/m - RGBW, RGBWW)		

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

1. (Default) **2.** **3.** **4.**



Wire Length for 1, 2, 3:
Standard 12 in. / Custom up to 20 feet

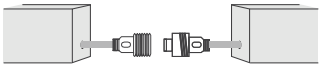
Wire Length for 4:
Standard 12 in. / Custom up to 20 feet

5.



Wire Length for 5:
Standard 3 in. / Custom up to 3 feet

6.



Wire Length for 6:
Standard 3 in. / Custom up to 18 in.

STEP 3 Complete Assembly Option & Length

ASSEMBLY OPTION — **LENGTH** (Standard factory assembled length up to 6 ft 6.7 in. / 2 m)

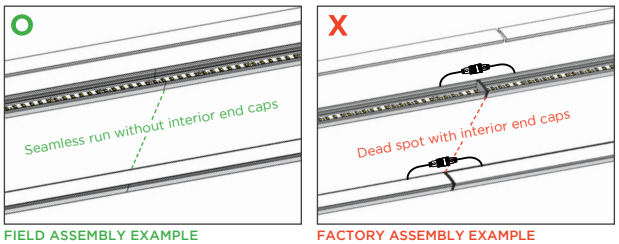
FI - Field Assembly

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.



FIELD ASSEMBLY EXAMPLE — FACTORY ASSEMBLY EXAMPLE

STEP 4 Add Accessories

ACCESSORIES

TILTSTANDST - Tiltable Stand
CHMAG0.5 - Magnetic Mount

RIBBONLYTE SPECIFICATIONS & COMPATIBILITY

Available Wattages	Incremental Length	LED Pitch	CCTs	Delivered Lumens with Clear Lens		Delivered Lumens with Milky Lens		Delivered Lumens with Black Lens		Max Length	Compatible with Channel			
				lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m		IP20	IP65	IP68	IP69
0.75 Static White Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	1800K	59	192	47	155	44	145	IP20: 49 ft (15 m) IP65/ IP68/ IP69: 32.8 ft (10 m)	✓	✓	✓	✓
			2000K	69	227	56	183	52	171					
			2200K	76	249	61	201	57	188					
			2400K	79	259	64	209	59	195					
			2700K	86	281	69	227	65	212					
			3000K	86	281	69	227	65	212					
			3500K	91	297	73	240	68	224					
			4000K	93	307	75	247	70	231					
			6000K	91	300	74	242	69	226					
1.5 Static White Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	1800K	117	384	95	310	88	289	IP20: 49 ft (15 m) IP65/ IP68/ IP69: 32.8 ft (10 m)	✓	✓	✓	✓
			2000K	137	384	110	263	103	338					
			2200K	152	499	123	402	114	375					
			2400K	158	517	127	417	119	389					
			2700K	172	563	138	454	129	424					
			3000K	172	563	138	454	129	424					
			3500K	180	590	145	476	135	444					
			4000K	187	613	151	495	141	462					
			6000K	183	600	147	484	138	451					
2.2 Static White Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	1800K	170	557	137	449	128	419	IP20: 42 ft (12.8 m) IP65/ IP68/ IP69: 32.8 ft (10 m)	✓	✓	✓	✓
			2000K	196	644	158	520	148	485					
			2200K	217	712	175	574	163	536					
			2400K	227	745	183	601	171	561					
			2700K	246	806	198	650	185	606					
			3000K	250	819	201	660	188	616					
			3500K	260	852	210	687	196	642					
			4000K	272	893	219	720	205	672					
			6000K	262	859	211	693	197	647					
3.0 Static White Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	1800K	234	769	189	620	176	579	IP20: 36 ft (11 m) IP65/ IP68/ IP69: 32.8 ft (10 m)	✓	✓	✓	✓
			2000K	273	897	221	723	206	675					
			2200K	301	989	243	797	227	744					
			2400K	306	1005	247	811	231	756					
			2700K	343	1125	277	907	258	847					
			3000K	363	1190	293	960	273	896					
			3500K	371	1217	299	982	279	916					
			4000K	371	1217	299	982	279	916					
			6000K	357	1172	288	945	269	882					
4.4 Static White Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	1800K	331	1087	267	877	249	818	28 ft 4 in. (8.64 m)	✓	✓	✓	✓
			2000K	389	1275	314	1029	293	960					
			2200K	430	1410	347	1137	323	1061					
			2400K	446	1463	360	1180	336	1101					
			2700K	499	1638	403	1321	376	1233					
			3000K	528	1732	426	1397	397	1304					
			3500K	540	1772	436	1429	407	1334					
			4000K	540	1772	436	1429	407	1334					
			6000K	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	386	1266	311	1021	291	953	IP20: 33 ft 4 in. (10.1 m) IP65/ IP68/ IP69: 32.8 ft (10 m)	✓	✓	✓	✓
			2000K	456	1495	368	1206	343	1125					
			2200K	498	1632	401	1316	375	1229					
			2400K	511	1675	412	1351	384	1261					
			2700K	571	1875	461	1512	430	1411					
			3000K	605	1983	488	1599	455	1493					
			3500K	618	2029	499	1636	466	1527					
			4000K	618	2029	499	1636	466	1527					
			6000K	591	1937	476	1562	445	1458					
6.0 Static White Series 2	1.4 in. (35.7 mm)	68 LEDs/ft (224 LEDs/m)	1800K	458	1501	369	1211	344	1130	28 ft (8.5 m)	✓	✓	✓	✓
			2000K	530	1739	428	1403	399	1309					
			2200K	591	1941	477	1565	445	1461					
			2400K	608	1995	491	1609	458	1502					
			2700K	681	2233	549	1801	512	1681					
			3000K	720	2362	581	1905	542	1778					
			3500K	737	2417	594	1949	554	1819					
			4000K	737	2417	594	1949	554	1819					
			6000K	703	2307	567	1860	529	1736					

RIBBONLYTE SPECIFICATIONS & COMPATIBILITY

Available Wattages	Incremental Length	LED Pitch	Color & CCTs	Delivered Lumens with Clear Lens		Delivered Lumens with Milky Lens		Delivered Lumens with Black Lens		Max Length	Compatible with Channel			
				lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m		IP20	IP65	IP68	IP69
0.75 Static Color Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	Red	29	94	23	76	22	71	22	✓	✓	✓	✓
			Green	122	400	98	323	92	301	92				
			Blue	13	43	11	35	10	33	10				
			Amber	24	78	19	63	18	59	18				
1.5 Static Color Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	Red	59	192	47	155	44	145	44	✓	✓	✓	✓
			Green	223	732	180	591	168	551	168				
			Blue	25	82	20	66	19	62	19				
			Amber	47	156	38	128	36	117	36				
2.2 Static Color Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	Red	86	282	69	227	65	212	65	✓	✓	✓	✓
			Green	297	973	239	785	223	733	223				
			Blue	37	121	30	97	28	91	28				
			Amber	70	228	56	184	52	172	52				
3.0 Static Color Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	Red	112	366	90	295	84	276	84	✓	✓	✓	✓
			Green	354	1162	286	937	267	875	267				
			Blue	70	229	56	185	53	172	53				
			Amber	81	265	65	214	61	200	61				
4.4 Static Color Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	Red	155	510	125	411	117	384	117	✓	✓	✓	✓
			Green	479	1571	386	1267	360	1182	360				
			Blue	98	322	79	260	74	243	74				
			Amber	102	336	83	271	77	253	77				
5.0 Static Color Series 2	1.4 in. (35.7 mm)	68 LEDs/ft (224 LEDs/m)	Red	172	564	139	455	130	425	130	✓	✓	✓	✓
			Green	539	1770	435	1427	406	1332	406				
			Blue	112	366	90	295	84	276	84				
			Amber	121	397	98	320	91	299	91				
6.0 Static Color Series 2	1.4 in. (35.7 mm)	68 LEDs/ft (224 LEDs/m)	Red	206	677	167	546	155	510	155	✓	✓	✓	✓
			Green	631	2069	509	1668	475	1557	475				
			Blue	128	421	104	340	97	317	97				
			Amber	134	439	108	354	101	331	101				
2.4 Static White Linea	1.97 in. (50 mm)	146 LEDs/ft (480 LEDs/m)	2700K	149.7	491	120.8	396	112.7	369.6	112.7	✓	n/a	n/a	n/a
			3000K	158.1	519.9	127.5	419.3	119	391.3	119				
			3500K	185.1	608.2	149.3	490.5	139.3	457.8	139.3				
			4000K	185.1	608.2	149.3	490.5	139.3	457.8	139.3				
3.0 Static White Linea	1.97 in. (50 mm)	146 LEDs/ft (480 LEDs/m)	2700K	184.1	604.5	148.5	487.5	138.6	455	138.6	✓	n/a	n/a	n/a
			3000K	203.7	668.7	164.3	539.3	153.3	503.3	153.3				
			3500K	217.6	714.2	175.5	576	163.8	537.6	163.8				
			4000K	231.6	759.8	186.8	612.8	174.3	571.9	174.3				
4.3 Static White Linea	1.97 in. (50 mm)	146 LEDs/ft (480 LEDs/m)	2700K	300.4	983.9	242.3	793.5	226.1	740.6	226.1	✓	n/a	n/a	n/a
			3000K	311.6	1023	251.3	825	234.5	770	234.5				
			3500K	344.1	1129	277.5	910.5	259	849.8	259				
			4000K	344.1	1129	277.5	910.5	259	849.8	259				
6.1 Variable White Linea	1.09 in. (27.78 mm)	175 LEDs/ft (576 LEDs/m)	2700K + 6500K	539.4	1769	435	427.3	406	332.1	406	✓	n/a	n/a	n/a

RIBBONLYTE SPECIFICATIONS & COMPATIBILITY

Available Wattages	Incremental Length	LED Pitch	Color & CCTs	Delivered Lumens with Clear Lens lm/ft	Delivered Lumens with Clear Lens lm/m	Delivered Lumens with Milky Lens lm/ft	Delivered Lumens with Milky Lens lm/m	Delivered Lumens with Black Lens lm/ft	Delivered Lumens with Black Lens lm/m	Max Length	Compatible with Channel IP20	IP65	IP68	IP69
1.5 Static White Xacta	0.2 in. (5 mm)	61 LEDs/ft (200 LEDs/m)	1800K	110.2	361.6	83.9	275.1	83.9	275.1	32.74 ft (9.98 m)	✓	n/a	n/a	n/a
			2000K	130.1	426.8	99	324.7	99	324.7					
			2200K	142.7	468.3	108.6	356.3	108.6	356.3					
			2400K	148.2	486.1	112.7	369.8	112.7	369.8					
			2700K	168	551.3	127.9	419.4	127.9	419.4					
			3000K	175.3	575	133.4	437.5	133.4	437.5					
			3500K	180.7	592.8	137.5	451	137.5	451					
			4000K	177.1	580.9	134.7	442	134.7	442					
			6000K	173.5	569	132	433	132	433					
3.0 Static White Xacta	0.2 in. (5 mm)	61 LEDs/ft (200 LEDs/m)	1800K	196.3	643.9	149.3	489.9	149.3	489.9	23.62 ft (7.2 m)	✓	n/a	n/a	n/a
			2000K	231.6	760	176.2	578.3	176.2	578.3					
			2200K	254.2	833.9	193.4	634.5	193.4	634.5					
			2400K	263.8	865.6	200.7	658.6	200.7	658.6					
			2700K	299.2	981.7	227.7	747	227.7	747					
			3000K	312.1	1023.9	237.4	779.1	237.4	779.1					
			3500K	321.7	1055.6	244.8	803.2	244.8	803.2					
			4000K	315.3	1034.5	239.9	787.1	239.9	787.1					
			6000K	308.9	1013.4	235	771.1	235	771.1					
4.5 Static White Xacta	0.2 in. (5 mm)	61 LEDs/ft (200 LEDs/m)	1800K	299.6	983	228	747.9	228	747.9	19.03 ft (5.8 m)	✓	n/a	n/a	n/a
			2000K	353.7	1160.3	269.1	882.8	269.1	882.8					
			2200K	388	1273.1	295.2	968.6	295.2	968.6					
			2400K	402.8	1321.4	306.5	1005.4	306.5	1005.4					
			2700K	456.8	1498.7	347.6	1140.3	347.6	1140.3					
			3000K	476.5	1563.1	362.5	1189.3	362.5	1189.3					
			3500K	491.2	1611.5	373.7	1226.1	373.7	1226.1					
			4000K	481.4	1579.2	366.3	1201.6	366.3	1201.6					
			6000K	471.5	1547	358.8	1177.1	358.8	1177.1					
1.5 Variable White Xacta	0.2 in. (5 mm)	122 LEDs/ft (400 LEDs/m)	2400K + 6000K	189.06	620.36	143.85	472.01	143.9	472.0	32.15 ft (9.8 m)	✓	n/a	n/a	n/a
3.0 Variable White Xacta	0.2 in. (5 mm)	122 LEDs/ft (400 LEDs/m)	2400K + 6000K	371.13	1217.71	282.38	926.52	282.4	926.5	22.31 ft (6.8 m)	✓	n/a	n/a	n/a
4.5 Variable White Xacta	0.2 in. (5 mm)	122 LEDs/ft (400 LEDs/m)	2400K + 6000K	524.22	1719.76	398.86	1308.51	398.9	1308.5	19.03 ft (5.8 m)	✓	n/a	n/a	n/a
1.0 Variable White Series 2	1.97 in. (50 mm)	42 LEDs/ft (140 LEDs/m)	2000K + 6500K	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	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	419	1373	338	1107	315	1033	19 ft 8 in. (6 m)	✓	✓	✓	✓
4.4 RGBW Series 2	1.97 in. (50 mm)	36 LEDs/ft (120 LEDs/m)	RGBW (all on)	188.1	617.2	148.5	487.2	138.6	454.7	19 ft 8 in. (6 m)	✓	n/a	n/a	n/a
5.5 RGBW Series 2	1.97 in. (50 mm)	36 LEDs/ft (120 LEDs/m)	RGBW (all on)	308.8	1013	243.3	798.5	227.2	745.3	IP65: 16 ft 4 in. (5 m) IP68: 19 ft 7.9 in. (6 m)	n/a	✓		
8.8 RGBW Series 2	1.97 in. (50 mm)	36 LEDs/ft (120 LEDs/m)	RGBW (all on)	510.2	1673.8	402.6	1320.9	375.8	1232.9	16 ft 4 in. (5 m)	✓	n/a	n/a	n/a
4.4 5-in-1 RGBWW	2.46 in. (62.5 mm)	29 LED/ft (96 LED/m)	RGBWW (all on)	241.4	792.1	194.7	638.8	181.7	308	16 ft 4 in (5 m)	✓	n/a	n/a	
8.8 5-in-1 RGBWW	2.46 in. (62.5 mm)	29 LED/ft (96 LED/m)	RGBWW	409.2	1342.6	330	1082.7	596.2	1010.5	11 ft 6 in (3.5 m)	✓	n/a	n/a	n/a
6.1 Pixel RGB	3.94 in. (100 mm)	18 LEDs/ft (60 LEDs/m)	RGB (all on)	115.785	379.44	93.375	306	87.15	285.6	24 ft 7.2 in. (7.5 m)	✓	n/a	n/a	n/a
5.2 Warm Dim	3.94 in. (100 mm)	36 LEDs/ft (120 LEDs/m)	WARM DIM	266	873	200	657	200	657	16 ft 4 in. (5 m)	✓	✓	✓	✓

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



No Visible Diode = N

Note: Linea RibbonLyte has no visible diode



With Visible Diode = Y

Static White & Static Color Series 2	Static White & Static Color Xacta	RGBW & RGBA Series 2		5-in-1 RGBWW	5-in-1 RGBWW	Pixel RGB	Variable White Series 2	Warm Dim
0.75/1.5/2.2/3.0/4.4/5.0/6.0	1.5/3.0/4.5	4.4/8.8	5.5	4.4	8.8	6.1	1.0/3.0/6.0	5.2
IP20/IP65/IP68/IP69	IP20	IP20	IP65	IP20	IP20	IP20	IP20/IP65/IP68/IP69	IP20/IP65/IP68/IP69
N	N	Y	Y	Y	Y	Y	N	N

AVAILABLE DRIVERS / CONTROLLERS AND DIMMING OPTIONS / WIRE GAUGE CHART

0-10V/ELV/MLV 3-IN-1



60W, 96W, 288W 0-10V/ELV/MLV 3-in-1 Dimmable Drivers

Part No.:
- DRVW2460TRI010 (60 W)
- DRVW2496TRI010 (96 W)
- DRVW24288TRI010 (288 W)

24 VDC
120-277 VAC
IP65, dry/damp/wet locations
UL Listed

ELV



60W Dimmable Driver

Part No.:
- DRVW2460ELV

24 VDC
100-130 VAC
Fits in single-gang switch boxes
IP20, dry locations
UL Recognized

0-10V VW/WD



0-10V Dimmable 96W VW/WD Driver

Part No.:
- DRVW2496VWWD

24 VDC
100-277 VAC
UL wet-rated, dry/damp/wet locations
UL Listed

COMPACT



60W, 96W Non-Dimming Compact Drivers

Part No.:
- DRV2460C (60 W)
- DRV2496C (96 W)

24 VDC
120-277 VAC
IP20, dry locations
UL Class P

ATHENA WIRELESS COMPATIBLE



94W Athena Wireless Compatible Drivers

Part No.:
- DRVW2494ATH1CH (1 channel)
- DRVW2494ATH2CH (2 channel)

24 VDC
100-277 VAC
Dry locations
UL Listed

CASAMBI COMPATIBLE DRIVERS



100W & 200W Casambi Compatible 4 Channel Drivers

Part No.:
- DRVW24100CAS4CH (100 W)
- DRVW24200CAS4CH (200 W)

24 VDC
100-277 VAC
IP66, dry/damp/wet locations
UL Listed, CE, RoHS, Bluetooth, CASAMBI

DIMMABLE DALI-2 DRIVERS



96W DIMMABLE DALI-2 DT6 D4I & DALI-2 DT8 D4I DRIVERS

Part No.:
- DRVW2496DALI1CH (1 channel)
- DRVW2496DALI2CH (2 channel)

24-26 VDC
120-277 VAC
IP67, dry/damp/wet locations
UL Listed

DIMMABLE DALI-2 DRIVERS



75W, 150W, 240W DALI-2 Dimmable Drivers

Part No.:
- DRVW2475DALI1CH (75 W, 1 channel)
- DRVW24150DALI1CH (150 W, 1 channel)
- DRVW24240DALI1CH (240 W, 1 channel)
- DRV24150DALI2CH (150 W, 2 channels)
- DRV24150DALI4CH (150 W, 4 channels)

24 VDC
120-277 VAC
IP67, damp/wet locations (1-channel drivers only)
IP20, dry location (2-channel & 4-channel drivers only)
CE, RoHS, SELV

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



GLASS TOUCH WALL CONTROLLERS
Part No.:
- AWCRGBWWBK
- AWCVWBK



1 ZONE WALL CONTROLLER
Part No.: DMXCTRLG



5 ZONE WALL CONTROLLER
Part No.: DMXCTRL



10 ZONE WALL CONTROLLER
Part No.: DMXCTRLD



6 UNIVERSE DMX CONTROLLER
Part No.: DMXCTRLDR6U



VARIABLE WHITE DIMMER
Part No.:
- RFDIMVWWH (White)
- RFDIMVWBK (Black)



WARM DIM DIMMER
Part No.:
- RFDIMWDWH (White)
- RFDIMWDBK (Black)



4 CHANNEL WATERPROOF DMX INTERFACE
Part No.: DMXINFWLCD4



5 CHANNEL DMX DECODER
Part No.: DMXINF5



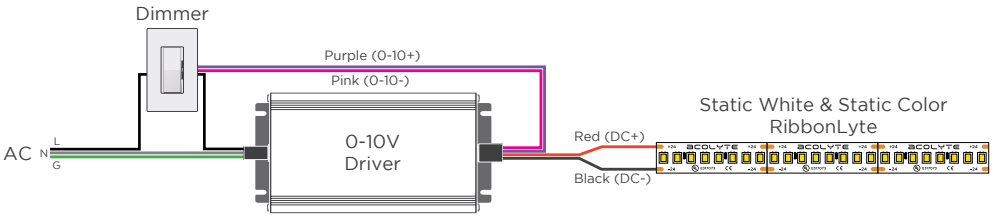
DMX OPTO SPLITTER
Part No.: DMXOS8

DRIVER AND RIBBONLYTE AT FULL LOAD

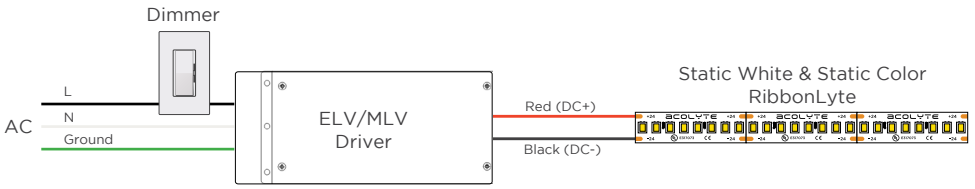
Wattages	30		60		96		150		200		240		300		320	
Wire Gauge	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters
24 AWG / 0.25 mm²	14	4.27	9	2.74	5.5	1.68	3.75	1.14	2.75	0.84	2.25	0.69	1.75	0.53	1.75	0.53
22 AWG / 0.34 mm²	22	6.71	14	4.27	9	2.74	5.75	1.75	4.5	1.37	3.5	1.07	2.75	0.84	2.75	0.84
20 AWG / 0.5 mm²	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 mm²	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 mm²	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 mm²	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 mm²	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 mm²	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 mm²	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

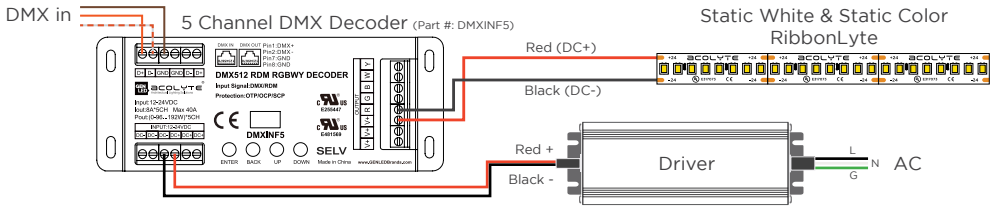
0-10 V



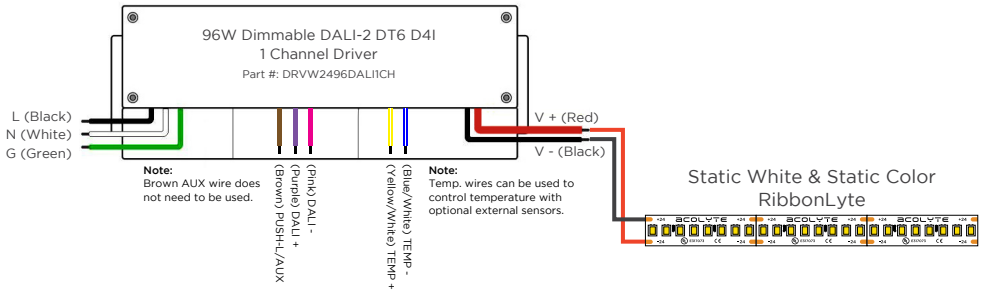
MLV / ELV



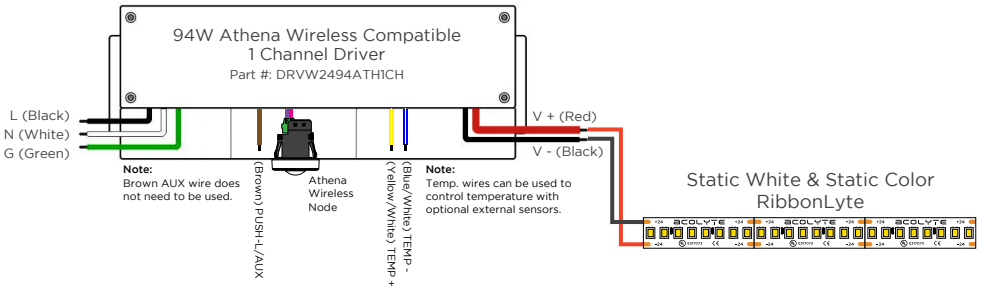
DMX WIRING WITH STATIC WHITE & STATIC COLOR RIBBONLYTE



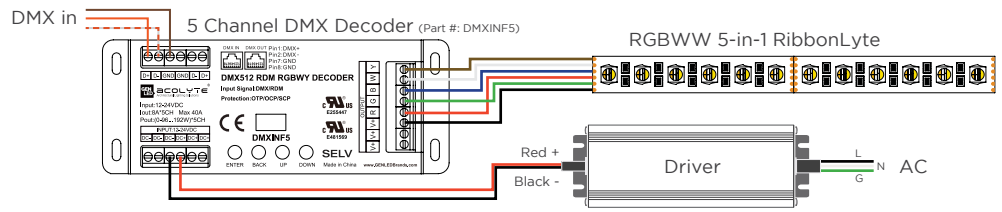
DALI-2 WIRING WITH STATIC WHITE & STATIC COLOR RIBBONLYTE



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



DMX WITH RGBWW 5-IN-1 RIBBONLYTE



WIRE COLORS

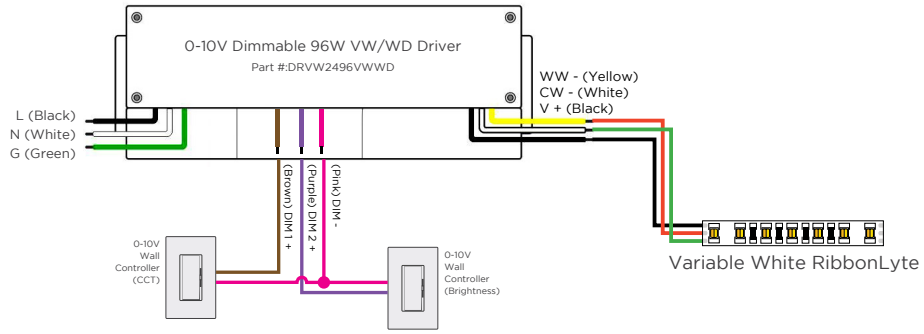
STATIC WHITE + STATIC COLOR
Red Wire (+) Positive
Black Wire (-) Negative

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

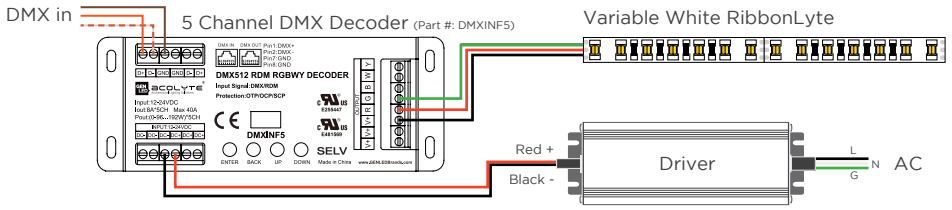
RGBWW
Black (+) Positive
Green Wire (-) goes to Green Channel
Red Wire (-) goes to Red Channel
Blue Wire (-) goes to Blue Channel
White Wire (-) goes to White Channel 1
Brown Wire (-) goes to White Channel 2

WIRING DIAGRAMS - VARIABLE WHITE

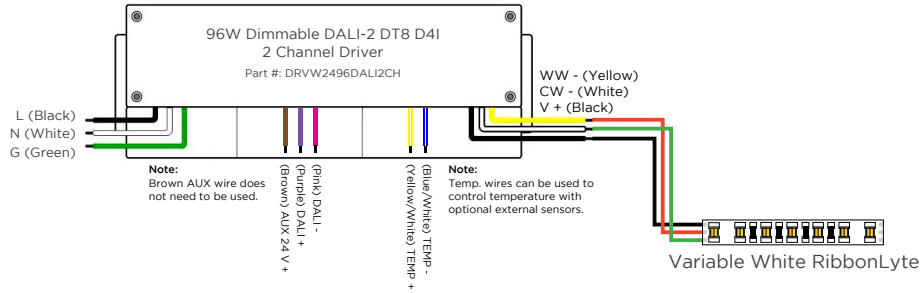
2-CHANNEL VARIABLE WHITE DIMMING



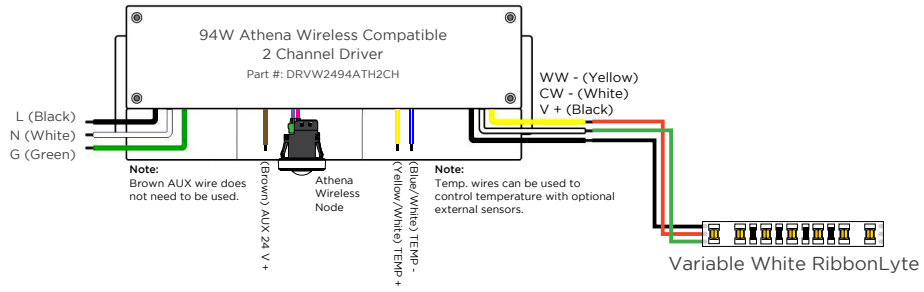
DMX WIRING WITH VARIABLE WHITE RIBBONLYTE



DALI-2 WIRING WITH VARIABLE WHITE RIBBONLYTE



VARIABLE WHITE RIBBONLYTE WIRING WITH ATHENA WIRELESS COMPATIBLE DRIVER



WIRE COLORS

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

REV.04NOV2026

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