GEN LED acolyte®
Architectural Lighting Solutions

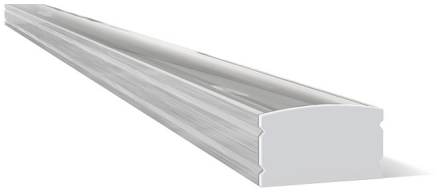
Date | Project

Notes

AS1 CHANNEL FIXTURE

Our AS1 Channel Fixture is a low-profile channel with a 118-degree beam angle that is ideal for a wide, even spread of light that is great for cove and toe kick applications. It can also be used in conjunction with our tiltable stands.

- Available for field assembly or factory assembly
- Beam Angle 118°
- Wattage Range from 0.75 W/ft (2.46 W/m) to 8.8 W/ft (28.9 W/m)
- Static White delivered lumen range from 44.1 lm/ft (144.6 lm/m) up to 729.4 lm/ft (2392.5 lm/m)
- Assembled in USA



HOUSING FINISHES

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

*Additional fee applies

AVAILABLE LENS FINISHES

Clear Lens
92% Light Transmission

Frosted Lens
85% Light Transmission

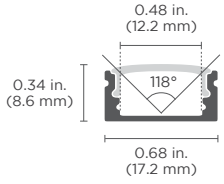
Milky Lens
70% Light Transmission

AVAILABLE COLORS & COLOR TEMPERATURES

1800K | 2000K | 2200K | 2400K | 2700K | 3000K | 3500K | 4000K | 6000K | Red | Amber | Green | Blue | RGBW | RGBA | RGBWW | VW | WD

DIMENSIONS

AS1 Channel

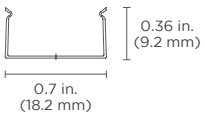


Width: 0.68 in. (17.2 mm)
Height: 0.34 in. (8.6 mm)
Internal Width: 0.48 in. (12.2 mm)

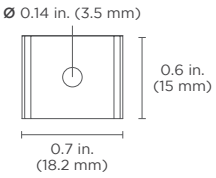
Mounting Clip (included accessory)

Material: stainless steel

Side View



Top View



Assembled View

Width: 0.7 in. (18.2 mm)
Length: 0.6 in. (15 mm)
Height: 0.36 in. (9.2 mm)

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.

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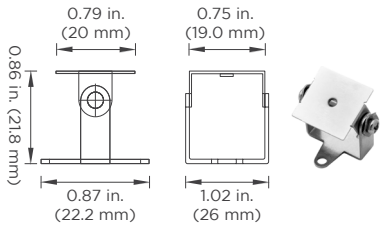
SPECIFICATIONS

Beam Angle	118°
Lens Type	Clear Lens, Frosted Lens, Milky 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
Operating Temperature	-40 — 158 °F (-40 — 70 °C)
Colors	1800K, 2000K, 2200K, 2400K, 2700K, 3000K, 3500K, 4000K, 6000K, Red, Amber, Green, Blue, RGBW, RGBWW, RGBA, VW, Warm Dim (1800K, 2000K, 2200K only available in IP20)
CRI	90+ CRI (Static white only)
Lamp Life	L70 at 50,000 hours
MacAdam ellipse (SDCM)	2-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

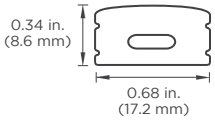
Tiltable Stand (Part #: TILTSTANDST)



Assembled Height with Channel: 1.22 in. (31 mm)

End Caps (included accessory)

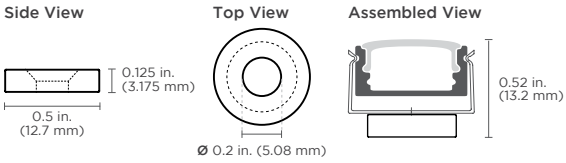
Material: ABS



End Cap without hole

End Cap with hole

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

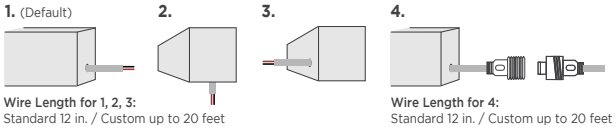
CHANNEL	LENS	HOUSING COLOR
CHAS1		
CHAS1 - AS1 Channel	**C** - Clear Lens*	**SV** - Silver (default)
	F - Frosted Lens	**BK** - Black
	M - Milky Lens	**WH** - White
	* Clear lens is the default option if not specified.	Consult factory for custom colors

STEP 2 Complete RibbonLyte Part Number

CATEGORY	CRI	RIBBON TYPE & IP RATING		
RB				
RB - RibbonLyte	**0** - Static Color, Color Changing	**LINEA20** - Linea RibbonLyte IP20	**RGBWW20** - RGBWW 5-in-1 IP20	**WD20** - Warm Dim IP20
	90 - 90+ CRI Static White	**SWS220** - Static White Series 2 IP20	**RGBWS220** - RGBW Series 2 IP20	**WD65** - Warm Dim IP65
		SWS265 - Static White Series 2 IP65	**RGBWS265** - RGBW Series 2 IP65	**XACTA20** - Xacta RibbonLyte IP20
		SCS220 - Static Color Series 2 IP20	**VWS220** - VW Series 2 IP20	
NOTE: To ensure waterproofing standards are met, IP65 RibbonLyte can NOT be cut in the field.		**SCS265** - Static Color Series 2 IP65	**VWS265** - VW Series 2 IP65	

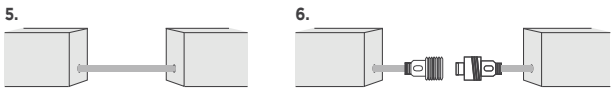
WATTAGE	COLOR	
0.75 - 0.75 W/ft (2.46 W/m - Static White, Static Color)	**18** - 1800K	**RGB27** - Red, Green, Blue + 2700K
1.0 - 1.0 W/ft (3.3 W/m - Variable White)	**20** - 2000K	**RGB30** - Red, Green, Blue + 3000K
1.5 - 1.5 W/ft (4.9 W/m - Static White, Static Color, Variable White)	**22** - 2200K	**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	**VW** - Variable White
4.3 - 4.3 W/ft (14 W/m - Static White Linea)	**35** - 3500K	**2920** - Warm Dim 2900K-2000K (IP20)
4.4 - 4.4 W/ft (14.4 W/m - Static White, Static Color, RGBW, RGBWW, RGBA)	**40** - 4000K	**2721** - Warm Dim 2700K - 2100K (IP65+IP68)
4.5 - 4.5 W/ft (14.8 W/m - Static White, Variable White)	**60** - 6000K	**Z** - Undecided**
5.0 - 5.0 W/ft (16.4 W/m - Static White, Static Color)	**R** - Red	** For quotes only. Must be chosen before final order.
5.2 - 5.2 W/ft (17.1 W/m - Warm Dim)	**A** - Amber	
5.5 - 5.5 W/ft (18.0 W/m - RGBW, RGBA)	**G** - Green	
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)		
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	**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	



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



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

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

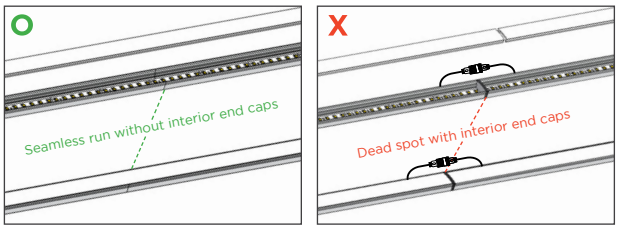
STEP 3 Complete Assembly Option & Length

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	Cuttable Length	LED Pitch	Color Temp.	lm/W without Lens	Delivered Lumens with Clear Lens	Delivered Lumens with Frosted Lens	Delivered Lumens with Milky Lens	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	58 lm/ft (190.3 lm/m)	53.6 lm/ft (175.8 lm/m)	44.1 lm/ft (144.6 lm/m)	IP20: 49 ft (15 m) IP65: 32.8 ft (10 m)	✓	✓	
			2000K	99	68.3 lm/ft (224 lm/m)	63.1 lm/ft (207 lm/m)	52 lm/ft (170.6 lm/m)				
			2200K	109	75.2 lm/ft (246.7 lm/m)	69.5 lm/ft (228 lm/m)	57.2 lm/ft (187.6 lm/m)				
			2400K	113	78 lm/ft (255.8 lm/m)	72.0 lm/ft (236.2 lm/m)	59.3 lm/ft (194.5 lm/m)				
			2700K	123	84.9 lm/ft (278.5 lm/m)	78.4 lm/ft (257.2 lm/m)	64.6 lm/ft (211.9 lm/m)				
			3000K	123	84.9 lm/ft (278.5 lm/m)	78.4 lm/ft (257.2 lm/m)	64.6 lm/ft (211.9 lm/m)				
			3500K	130	89.7 lm/ft (294.2 lm/m)	82.9 lm/ft (272 lm/m)	68.3 lm/ft (224 lm/m)				
			4000K	134	92.5 lm/ft (303.4 lm/m)	85.4 lm/ft (280.1 lm/m)	70.4 lm/ft (230.9 lm/m)				
			6000K	131	90.4 lm/ft (296.5 lm/m)	83.5 lm/ft (273.9 lm/m)	68.8 lm/ft (225.7 lm/m)				
1.5 Static White Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	1800K	84	115.9 lm/ft (380.2 lm/m)	107.1 lm/ft (351.3 lm/m)	88.2 lm/ft (289.3 lm/m)	IP20: 49 ft (15 m) IP65: 32.8 ft (10 m)	✓	✓	
			2000K	98	135.2 lm/ft (443.5 lm/m)	125 lm/ft (410 lm/m)	102.9 lm/ft (337.5 lm/m)				
			2200K	109	150.4 lm/ft (493.3 lm/m)	139 lm/ft (455.9 lm/m)	114.5 lm/ft (375.6 lm/m)				
			2400K	113	155.9 lm/ft (511.4 lm/m)	144.1 lm/ft (472.6 lm/m)	118.7 lm/ft (389.3 lm/m)				
			2700K	123	169.7 lm/ft (556.6 lm/m)	156.8 lm/ft (514.3 lm/m)	129.2 lm/ft (423.8 lm/m)				
			3000K	123	169.7 lm/ft (556.6 lm/m)	156.8 lm/ft (514.3 lm/m)	129.2 lm/ft (423.8 lm/m)				
			3500K	129	178 lm/ft (583.8 lm/m)	164.5 lm/ft (539.6 lm/m)	135.5 lm/ft (444.4 lm/m)				
			4000K	134	184.9 lm/ft (606.5 lm/m)	170.9 lm/ft (560.6 lm/m)	140.7 lm/ft (461.5 lm/m)				
			6000K	131	180.8 lm/ft (593 lm/m)	167 lm/ft (547.8 lm/m)	137.6 lm/ft (451.3 lm/m)				
2.2 Static White Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	1800K	83	168 lm/ft (551 lm/m)	155.2 lm/ft (509.1 lm/m)	127.8 lm/ft (419.2 lm/m)	IP20: 42 ft (12.8 m) IP65: 32.8 ft (10 m)	✓	✓	
			2000K	96	194.3 lm/ft (637.3 lm/m)	179.5 lm/ft (588.8 lm/m)	147.8 lm/ft (484.8 lm/m)				
			2200K	106	214.5 lm/ft (703.6 lm/m)	198.2 lm/ft (650.1 lm/m)	163.2 lm/ft (535.3 lm/m)				
			2400K	111	224.7 lm/ft (737 lm/m)	207.6 lm/ft (680.9 lm/m)	170.9 lm/ft (560.6 lm/m)				
			2700K	120	242.9 lm/ft (796.7 lm/m)	224.4 lm/ft (736 lm/m)	184.8 lm/ft (606.1 lm/m)				
			3000K	122	246.9 lm/ft (809.8 lm/m)	228.1 lm/ft (748.2 lm/m)	187.9 lm/ft (616.3 lm/m)				
			3500K	127	257 lm/ft (843 lm/m)	237.5 lm/ft (779 lm/m)	195.6 lm/ft (641.6 lm/m)				
			4000K	133	269.2 lm/ft (883 lm/m)	248.7 lm/ft (779 lm/m)	204.8 lm/ft (671.7 lm/m)				
			6000K	128	259.1 lm/ft (849.8 lm/m)	239.4 lm/ft (785.2 lm/m)	197.1 lm/ft (646.5 lm/m)				
3.0 Static White Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	2400K	109.8	303.1 lm/ft (994.1 lm/m)	280.1 lm/ft (918.6 lm/m)	230.6 lm/ft (756.5 lm/m)	IP20: 36 ft (11 m) IP65: 32.8 ft (10 m)	✓	✓	
			2700K	122.9	339.6 lm/ft (1114 lm/m)	313.5 lm/ft (1028.1 lm/m)	258.1 lm/ft (846.7 lm/m)				
			3000K	130	359.1 lm/ft (1177.9 lm/m)	331.4 lm/ft (1087.1 lm/m)	273 lm/ft (895.3 lm/m)				
			3500K	133	367.5 lm/ft (1205.3 lm/m)	339.2 lm/ft (1112.4 lm/m)	279.3 lm/ft (916.1 lm/m)				
			4000K	133	367.5 lm/ft (1205.3 lm/m)	339.2 lm/ft (1112.4 lm/m)	279.3 lm/ft (916.1 lm/m)				
			6000K	127	350.8 lm/ft (1150.5 lm/m)	323.7 lm/ft (1061.8 lm/m)	266.6 lm/ft (874.5 lm/m)				
4.4 Static White Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	2400K	109	441.2 lm/ft (1447 lm/m)	407.7 lm/ft (1337.1 lm/m)	335.7 lm/ft (1101.2 lm/m)	28 ft 4 in. (8.64 m)	✓	✓	
			2700K	124	494.4 lm/ft (1621.6 lm/m)	456.3 lm/ft (1496.6 lm/m)	375.8 lm/ft (1232.5 lm/m)				
			3000K	131	522.8 lm/ft (1714.7 lm/m)	482.5 lm/ft (1582.5 lm/m)	397.3 lm/ft (1303.2 lm/m)				
			3500K	133	534.9 lm/ft (1754.5 lm/m)	493.7 lm/ft (1619.3 lm/m)	406.6 lm/ft (1333.5 lm/m)				
			4000K	133	534.9 lm/ft (1754.5 lm/m)	493.7 lm/ft (1619.3 lm/m)	406.6 lm/ft (1333.5 lm/m)				
			6000K	128	510.6 lm/ft (1674.8 lm/m)	471.2 lm/ft (1545.7 lm/m)	388.1 lm/ft (1272.9 lm/m)				
5.0 Static White Series 2	1.4 in. (35.7 mm)	68 LEDs/ft (224 LEDs/m)	2400K	110	505.1 lm/ft (1656.8 lm/m)	466.8 lm/ft (1531 lm/m)	384.4 lm/ft (1260.8 lm/m)	IP20: 33 ft 4 in. (10.1 m) IP65: 32.8 ft (10 m)	✓	✓	
			2700K	124	566.1 lm/ft (1856.7 lm/m)	522.4 lm/ft (1713.6 lm/m)	430.2 lm/ft (1411.2 lm/m)				
			3000K	134	598.5 lm/ft (1963.2 lm/m)	552.4 lm/ft (1811.9 lm/m)	454.9 lm/ft (1492.1 lm/m)				
			3500K	135	612.5 lm/ft (2008.9 lm/m)	565.3 lm/ft (1854 lm/m)	465.5 lm/ft (1526.8 lm/m)				
			4000K	134	612.5 lm/ft (2008.9 lm/m)	565.3 lm/ft (1854 lm/m)	465.5 lm/ft (1526.8 lm/m)				
			6000K	130	584.6 lm/ft (1917.6 lm/m)	539.6 lm/ft (1769.7 lm/m)	444.3 lm/ft (1457.4 lm/m)				
6.0 Static White Series 2	1.4 in. (35.7 mm)	68 LEDs/ft (224 LEDs/m)	2400K	109	601.6 lm/ft (1973.2 lm/m)	555.9 lm/ft (1823.4 lm/m)	457.8 lm/ft (1501.6 lm/m)	28 ft (8.5 m)	✓	✓	
			2700K	122	674.2 lm/ft (2211.3 lm/m)	622.2 lm/ft (2040.8 lm/m)	512.4 lm/ft (1680.7 lm/m)				
			3000K	129	712.9 lm/ft (2338.2 lm/m)	657.9 lm/ft (2157.9 lm/m)	541.8 lm/ft (1777.1 lm/m)				
			3500K	132	729.4 lm/ft (2392.5 lm/m)	673.2 lm/ft (2208.1 lm/m)	554.4 lm/ft (1818.4 lm/m)				
			4000K	132	729.4 lm/ft (2392.5 lm/m)	673.2 lm/ft (2208.1 lm/m)	554.4 lm/ft (1818.4 lm/m)				
			6000K	126	696.3 lm/ft (2283.8 lm/m)	642.6 lm/ft (2107.7 lm/m)	529.2 lm/ft (1735.8 lm/m)				

RIBBONLYTE SPECIFICATIONS & COMPATIBILITY

Available Wattages	Cuttable Length	LED Pitch	Color Temp.	lm/W without Lens	Delivered Lumens with Clear Lens	Delivered Lumens with Frosted Lens	Delivered Lumens with Milky Lens	Max 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	28 lm/ft (93 lm/m)	26 lm/ft (86 lm/m)	22 lm/ft (70.6 lm/m)	IP20: 49 ft (15 m) IP65: 32.8 ft (10 m)	✓	✓	
			Green	175	121 lm/ft (396 lm/m)	112 lm/ft (366 lm/m)	92 lm/ft (301.4 lm/m)				
			Blue	19	13 lm/ft (43 lm/m)	12 lm/ft (40 lm/m)	10 lm/ft (32.7 lm/m)				
			Amber	34	23 lm/ft (77 lm/m)	22 lm/ft (71 lm/m)	18 lm/ft (58.6 lm/m)				
1.5 Static Color Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	Red	42	58 lm/ft (190 lm/m)	54 lm/ft (176 lm/m)	44 lm/ft (144.7 lm/m)	IP20: 49 ft (15 m) IP65: 32.8 ft (10 m)	✓	✓	
			Green	160	221 lm/ft (724 lm/m)	204 lm/ft (669 lm/m)	168 lm/ft (551.1 lm/m)				
			Blue	18	25 lm/ft (81 lm/m)	23 lm/ft (75 lm/m)	19 lm/ft (62 lm/m)				
			Amber	33	47 lm/ft (154 lm/m)	43 lm/ft (142 lm/m)	36 lm/ft (117.1 lm/m)				
2.2 Static Color Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	Red	42	85 lm/ft (279 lm/m)	79 lm/ft (258 lm/m)	65 lm/ft (212.2 lm/m)	IP20: 42 ft (12.8 m) IP65: 32.8 ft (10 m)	✓	✓	
			Green	145	293 lm/ft (963 lm/m)	271 lm/ft (889 lm/m)	223 lm/ft (732.4 lm/m)				
			Blue	18	36 lm/ft (119 lm/m)	34 lm/ft (110 lm/m)	28 lm/ft (90.9 lm/m)				
			Amber	33	67 lm/ft (219 lm/m)	62 lm/ft (202 lm/m)	51 lm/ft (166.7 lm/m)				
3.0 Static Color Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	Red	40	110.4 lm/ft (362.1 lm/m)	102.0 lm/ft (334.6 lm/m)	84.0 lm/ft (275.52 lm/m)	32.8 ft (10 m)	✓	✓	
			Green	127	350.9 lm/ft (1151.0 lm/m)	323.9 lm/ft (1062.2 lm/m)	266.7 lm/ft (874.776 lm/m)				
			Blue	25	69.1 lm/ft (226.6 lm/m)	63.8 lm/ft (209.1 lm/m)	52.5 lm/ft (172.2 lm/m)				
			Amber	29	80.1 lm/ft (262.8 lm/m)	74.0 lm/ft (242.6 lm/m)	60.9 lm/ft (199.752 lm/m)				
4.4 Static Color Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	Red	38	153.8 lm/ft (504.5 lm/m)	142.1 lm/ft (466.2 lm/m)	117.0 lm/ft (383.8912 lm/m)	29 ft (8.8 m)	✓	✓	
			Green	117	474.1 lm/ft (1555.1 lm/m)	437.6 lm/ft (1435.3 lm/m)	360.4 lm/ft (1181.981 lm/m)				
			Blue	24	97.3 lm/ft (319.0 lm/m)	89.8 lm/ft (294.4 lm/m)	73.9 lm/ft (242.4576 lm/m)				
			Amber	25	101.3 lm/ft (332.2 lm/m)	93.5 lm/ft (306.7 lm/m)	77.0 lm/ft (252.56 lm/m)				
5.0 Static Color Series 2	1.4 in. (35.7 mm)	68 LEDs/ft (224 LEDs/m)	Red	37	170.2 lm/ft (558.2 lm/m)	157.3 lm/ft (515.8 lm/m)	129.5 lm/ft (424.76 lm/m)	30 ft (9.14 m)	✓	✓	
			Green	116	534.2 lm/ft (1752.1 lm/m)	493.0 lm/ft (1617.0 lm/m)	406.0 lm/ft (1331.68 lm/m)				
			Blue	24	110.5 lm/ft (362.5 lm/m)	102.0 lm/ft (334.6 lm/m)	84.0 lm/ft (275.52 lm/m)				
			Amber	26	119.7 lm/ft (392.7 lm/m)	110.5 lm/ft (362.4 lm/m)	91.0 lm/ft (298.48 lm/m)				
6.0 Static Color Series 2	1.4 in. (35.7 mm)	68 LEDs/ft (224 LEDs/m)	Red	37	204.2 lm/ft (669.8 lm/m)	188.7 lm/ft (618.9 lm/m)	155.4 lm/ft (509.712 lm/m)	28 ft (8.5 m)	✓	✓	
			Green	113	624.4 lm/ft (2048.2 lm/m)	576.3 lm/ft (1890.3 lm/m)	474.6 lm/ft (1556.688 lm/m)				
			Blue	23	127.1 lm/ft (416.9 lm/m)	117.3 lm/ft (384.8 lm/m)	96.6 lm/ft (316.9 lm/m)				
			Amber	24	132.6 lm/ft (435.0 lm/m)	122.4 lm/ft (401.6 lm/m)	100.8 lm/ft (330.7 lm/m)				
2.4 Static White Linea	1.97 in. (50 mm)	146 LEDs/ft (480 LEDs/m)	2700K	67	148.1 lm/ft (485.8 lm/m)	136.9 lm/ft (448.8 lm/m)	112.7 lm/ft (369.6 lm/m)	21.3 ft (6.5 m)	✓	N/A	N/A
			3000K	71	156.4 lm/ft (514.3 lm/m)	144.5 lm/ft (475.2 lm/m)	119 lm/ft (391.3 lm/m)				
			3500K	83	183.1 lm/ft (601.7 lm/m)	169.2 lm/ft (555.9 lm/m)	139.3 lm/ft (457.8 lm/m)				
			4000K	83	183.1 lm/ft (601.7 lm/m)	169.2 lm/ft (555.9 lm/m)	139.3 lm/ft (457.8 lm/m)				
3.0 Static White Linea	1.97 in. (50 mm)	146 LEDs/ft (480 LEDs/m)	2700K	66	182.2 lm/ft (598 lm/m)	168.3 lm/ft (552.5 lm/m)	138.6 lm/ft (455 lm/m)	21.3 ft (6.5 m)	✓	N/A	N/A
			3000K	73	201.5 lm/ft (661.5 lm/m)	186.2 lm/ft (611.2 lm/m)	153.3 lm/ft (503.3 lm/m)				
			3500K	78	215.3 lm/ft (706.6 lm/m)	198.9 lm/ft (652.8 lm/m)	163.8 lm/ft (537.6 lm/m)				
			4000K	83	229.1 lm/ft (751.6 lm/m)	211.7 lm/ft (694.5 lm/m)	174.3 lm/ft (571.9 lm/m)				
4.3 Static White Linea	1.97 in. (50 mm)	146 LEDs/ft (480 LEDs/m)	2700K	75	297.2 lm/ft (973.4 lm/m)	274.6 lm/ft (899.3 lm/m)	226.1 lm/ft (740.6 lm/m)	24.6 ft (7.5 m)	✓	N/A	N/A
			3000K	78	308.2 lm/ft (1012 lm/m)	284.8 lm/ft (935 lm/m)	234.5 lm/ft (770 lm/m)				
			3500K	86	340.4 lm/ft (1116.9 lm/m)	314.5 lm/ft (1031.9 lm/m)	259 lm/ft (849.8 lm/m)				
			4000K	86	340.4 lm/ft (1116.9 lm/m)	314.5 lm/ft (1031.9 lm/m)	259 lm/ft (849.8 lm/m)				
6.1 Variable White Linea	1.09 in. (27.78 mm)	175 LEDs/ft (576 LEDs/m)	2700K + 6500K	95	533.6 lm/ft (1750.8 lm/m)	493 lm/ft (1617.6 lm/m)	406 lm/ft (1332.1 lm/m)	16.4 ft (5 m)	✓	N/A	N/A

RIBBONLYTE SPECIFICATIONS & COMPATIBILITY

Available Wattages	Cuttable Length	LED Pitch	Color Temp.	lm/W without Lens	Delivered Lumens with Clear Lens		Delivered Lumens with Frosted Lens		Delivered Lumens with Milky Lens		Max Length	Compatible with Channel		
					lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m		IP20	IP65	IP68
1.5 Static White Xacta	0.2 in. (5 mm)	61 LEDs/ft (200 LEDs/m)	1800K	71	110.2	361.6	101.8	334.1	83.9	275.1	32.74 ft (9.98 m)	✓	n/a	n/a
			2000K	84	130.1	426.8	120.2	394.3	99	324.7				
			2200K	92	142.7	468.3	131.9	432.6	108.6	356.3				
			2400K	96	148.2	486.1	136.9	449.1	112.7	369.8				
			2700K	109	168	551.3	155.3	509.3	127.9	419.4				
			3000K	113	175.3	575	161.9	531.2	133.4	437.5				
			3500K	117	180.7	592.8	166.9	547.7	137.5	451				
			4000K	115	177.1	580.9	163.6	536.7	134.7	442				
			6000K	112	173.5	569.0	160.3	525.7	132	433				
3.0 Static White Xacta	0.2 in. (5 mm)	61 LEDs/ft (200 LEDs/m)	1800K	71	196.3	643.9	181.3	594.9	149.3	489.9	23.62 ft (7.2 m)	✓	n/a	n/a
			2000K	84	231.6	760	214	702.2	176.2	578.3				
			2200K	92	254.2	833.9	234.8	770.5	193.4	634.5				
			2400K	95	263.8	865.6	243.7	799.7	200.7	658.6				
			2700K	108	299.2	981.7	276.4	907	227.7	747				
			3000K	113	312.1	1023.9	288.3	946	237.4	779.1				
			3500K	116	321.7	1055.6	297.2	975.3	244.8	803.2				
			4000K	114	315.3	1034.5	291.3	955.8	239.9	787.1				
			6000K	111	308.9	1013.4	285.4	936.3	235	771.1				
4.5 Static White Xacta	0.2 in. (5 mm)	61 LEDs/ft (200 LEDs/m)	1800K	72	299.6	983	276.8	908.2	228	747.9	19.03 ft (5.8 m)	✓	n/a	n/a
			2000K	85	353.7	1160.3	326.7	1072	269.1	882.8				
			2200K	93	388	1273.1	358.5	1176.2	295.2	968.6				
			2400K	97	402.8	1321.4	372.1	1220.9	306.5	1005.4				
			2700K	110	456.8	1498.7	422	1384.6	347.6	1140.3				
			3000K	114	476.5	1563.1	440.2	1444.2	362.5	1189.3				
			3500K	118	491.2	1611.5	453.8	1488.9	373.7	1226.1				
			4000K	116	481.4	1579.2	444.7	1459.1	366.3	1201.6				
			6000K	113	471.5	1547	435.7	1429.3	358.8	1177.1				
1.5 Variable White Xacta	0.2 in. (5 mm)	122 LEDs/ft (400 LEDs/m)	2400K + 6000K	138	189.1	620.4	174.7	573.2	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	342.9	1125.1	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	484.3	1588.9	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	78.2	257	72.3	237	60	200	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	220.8	725	205	670	168	551.2	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	415	1,362	382.5	1255	315	1033.5	19 ft 8 in. (6 m)	✓	✓	✓
4.4 RGBW Series 2	1.97 in. (50 mm)	36 LEDs/ft (120 LEDs/m)	RGBW	45	188.1	617.2	168.3	552.2	148.5	487.2	19 ft 8 in. (6 m)	✓	N/A	N/A
5.5 RGBW Series 2	1.97 in. (50 mm)	36 LEDs/ft (120 LEDs/m)	RGBW	59	308.8	1013	275.8	904.9	243.3	798.5	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	61	510.2	1673.8	456.3	1497.1	402.6	1320.9	16 ft 4 in. (5 m)	✓	N/A	N/A
4.4 5-in-1 RGBWW	2.46 in. (62.5 mm)	29 LED/ft (96 LED/m)	RGBWW	59	241.4	792.1	220.7	724	194.7	638.8	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	50	409.2	1342.6	374	1227.1	330	1082.7	11 ft 6 in (3.5 m)	✓	N/A	N/A
5.2 Warm Dim	3.94 in. (100 mm)	36 LEDs/ft (120 LEDs/m)	WARM DIM	55	263.1	863	244.8	803.25	201.6	661.5	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 RibbonLyte		Color Changing RibbonLyte								
0.75/1.5/2.2/3.0	4.4/5.0/6.0	1.5/3.0/4.5 Xacta	4.4 RGBW Series 2	5.5 RGBW Series 2	8.8 RGBW Series 2	4.4 5-in-1 RGBWW	8.8 5-in-1 RGBWW	Warm Dim	Variable White
IP20 / IP65	IP20 / IP65	IP20	IP20	IP65	IP20	IP20	IP20	IP20 / IP65	IP20 / IP65
Y	N	N	Y	Y	Y	Y	Y	Y	Y

AVAILABLE DRIVERS / CONTROLLERS AND DIMMING OPTIONS / WIRE GAUGE CHART

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 VDC
Input Voltage: 120-277 VAC
IP65, dry/damp location
UL Listed

240W, 320W Non-Dimming Electronic Drivers

Part No.:
- DRVW24240 (240 Watt)
- DRVW24320 (320 Watt)

Output Voltage: 24 VDC
Input Voltage: 90-305 VAC
IP65, dry/damp location
UL Recognized

60W, 96W Non-Dimming Compact Drivers

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

Output Voltage: 24 VDC
Input Voltage: 120-277 VAC
IP20, dry location
UL Class P

ELV & MLV DRIVERS

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 VDC
Input Voltage: 100-277 VAC
IP67, damp/wet location
UL, CE, and CSA Listed

DIMMABLE DALI DRIVERS

100W 1 Channel, 100W 2 Channel, 150W 4 Channel Dimmable DALI Drivers

Part No.:
- DRV100DALI1CH (100W 1 channel)
- DRV100DALI2CH (100W 2 channel)
- DRV150DALI4CH (150W 4 channel)

Output Voltage: 24 VDC
Input Voltage: 120-277 VAC
IP20, dry location
CE, UL Recognized, FCC, RoHS, SELV

0-10V DRIVERS

0-10V Dimmable Waterproof Drivers

- Part No.: DRVW249610P (96 Watt)
- Part No.: DRVW2428810P (288 Watt)

Output Voltage: 24 VDC (+/- 0.5 V)
Input Voltage: 100-277 VAC
UL wet location
UL Listed

0-10V Dimmable 90W VW/WD Driver

- Part No.: DRVRFWDVW2490120

Output Voltage: 24 VDC
Input Voltage: 100-277 VAC
IP23, dry/damp location
UL Listed

ATHENA WIRELESS COMPATIBLE

94W Athena Wireless Compatible Drivers

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

Output Voltage: 24 VDC
Input Voltage: 100-277 VAC
Dry location
UL Listed

DIMMABLE DALI-2 DRIVERS

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

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

Output Voltage: 24-26 VDC
Input Voltage: 120-277 VAC
IP67, wet location
UL Listed

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 INTERFACE
Part No.: DMXINFOLED5

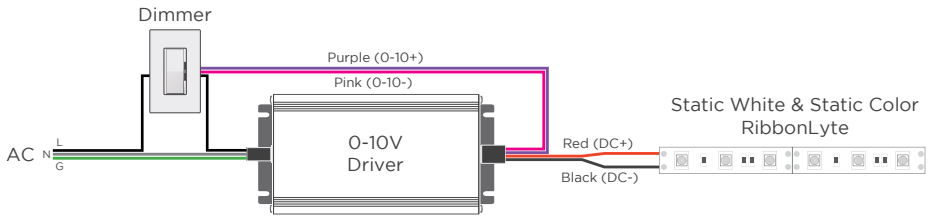
DMX OPTO SPLITTER
Part No.: DMXOS8

DRIVER AND RIBBONLYTE AT FULL LOAD

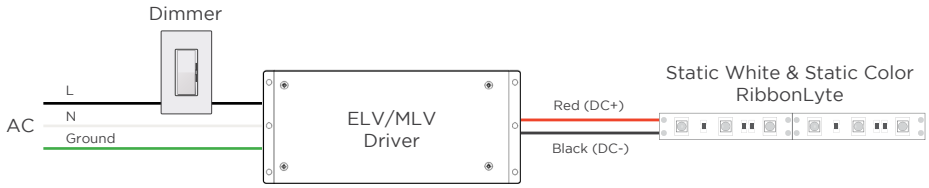
Wattages	30		60		96		150		200		240		300		320	
Wire Gauge	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters
24 AWG / 0.25 mm²	14	4.27	9	2.74	5.5	1.68	3.75	1.14	2.75	0.84	2.25	0.69	1.75	0.53	1.75	0.53
22 AWG / 0.34 mm²	22	6.71	14	4.27	9	2.74	5.75	1.75	4.5	1.37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

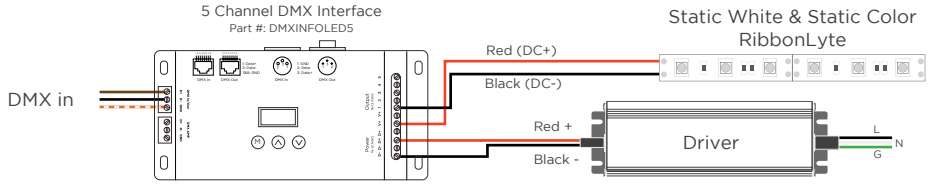
0-10 V



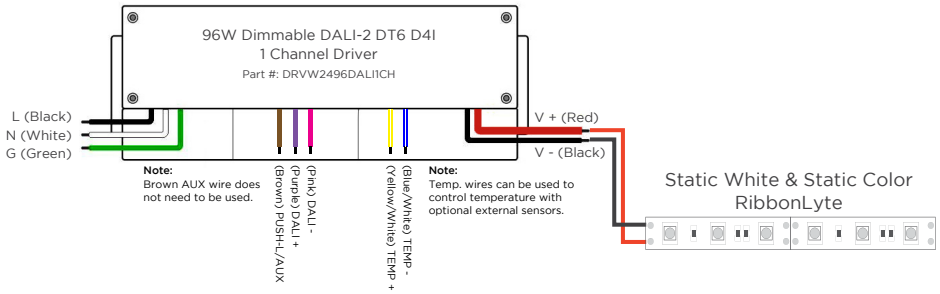
MLV / ELV



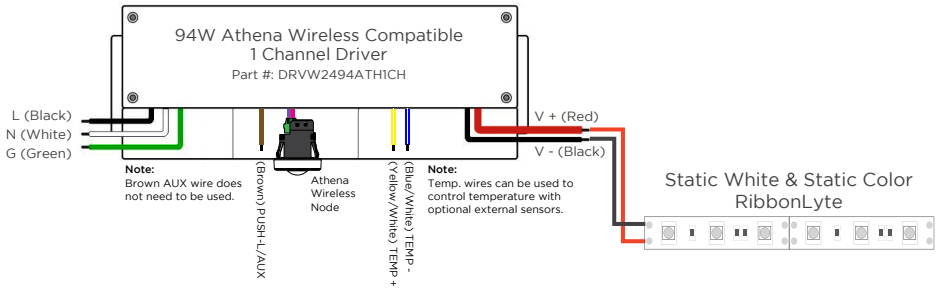
DMX WIRING WITH STATIC WHITE & STATIC COLOR RIBBONLYTE



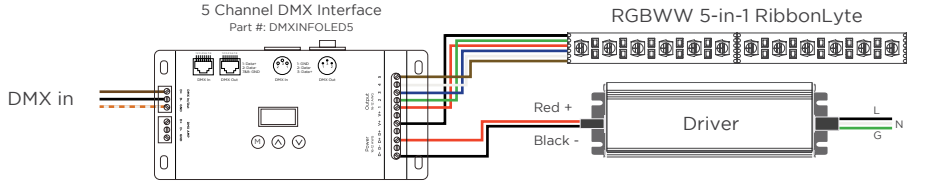
DALI-2 WIRING WITH STATIC WHITE & STATIC COLOR RIBBONLYTE



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



DMX WITH RGBWW 5-IN-1 RIBBONLYTE



WIRE COLORS PER RIBBONLYTE COLOR

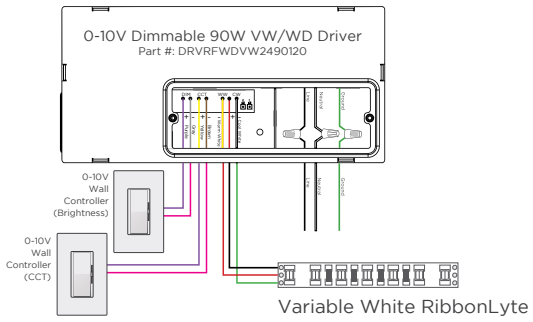
STATIC WHITE + STATIC COLOR
Red Wire (+) Positive
Black Wire (-) Negative

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

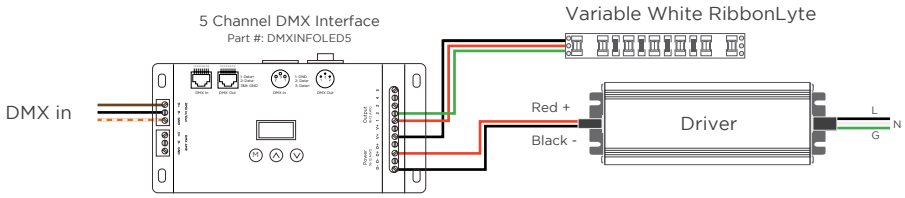
RGBWW
Black (+) Positive
Green Wire (-) goes to Green Channel
Red Wire (-) goes to Red Channel
Blue Wire (-) goes to Blue Channel
White Wire (-) goes to White Channel 1
Brown Wire (-) goes to White Channel 2

WIRING DIAGRAMS - VARIABLE WHITE

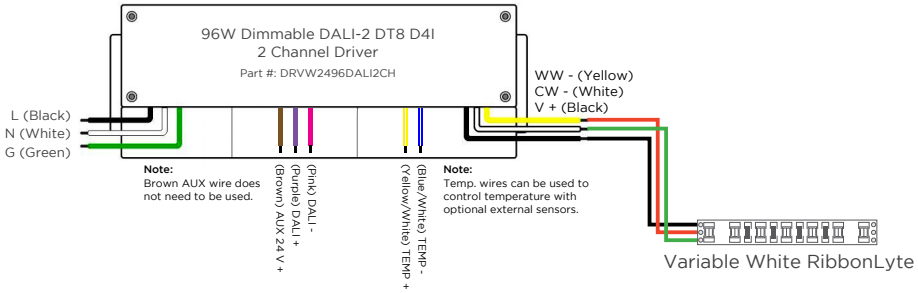
2-CHANNEL VARIABLE WHITE DIMMING



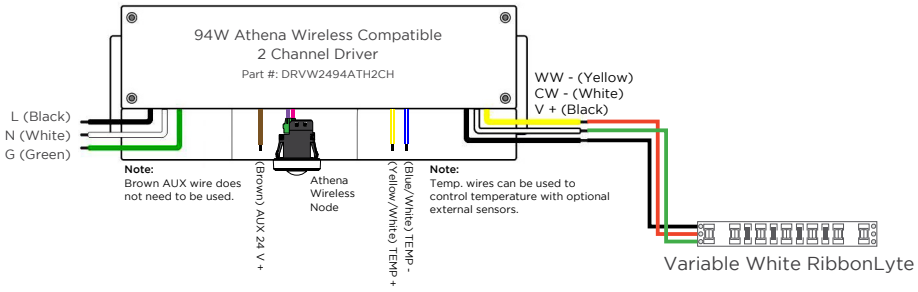
DMX WIRING WITH VARIABLE WHITE RIBBONLYTE



DALI-2 WIRING WITH VARIABLE WHITE RIBBONLYTE



VARIABLE WHITE RIBBONLYTE WIRING WITH ATHENA WIRELESS COMPATIBLE DRIVER



WIRE COLORS PER RIBBONLYTE COLOR

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

REV.14AUG2025

GLOBAL HQ
320 Murray Hill Pkwy
East Rutherford, NJ 07073
U.S.
T: (+1) 212 629 6830
E: Sales-US@GENLEDBrands.com

EUROPEAN HQ
Hogeweyselaan 119
1382 JK Weesp
Netherlands
T: (+31) 346 235 000
E: SalesEurope@GENLEDBrands.com

MEINA HQ
PO Box 371378, #823, Building 4EA
Dubai Airport Free Zone
Dubai, UAE
T: (+971) 4 701 7901
E: SalesMEINA@genledbrands.com

ASIA-PACIFIC HQ
Room 402, Building D
Shenshi Tongchuang Science and Technology Park
No. 16 Hongyin Road
Xingqiang Community, Xinhu Street
Guangming District, Shenzhen, China 518107
T: (+86) 755 8529 0710
E: Sales-Pacific@GENLEDBrands.com