GEN LED acolyte®
Architectural Lighting Solutions

Date | Project

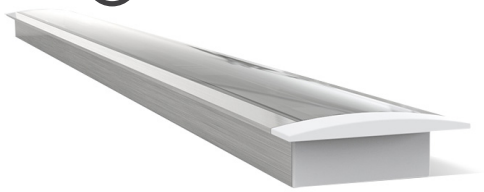
Notes

AR3 CHANNEL FIXTURE

AR3 Channel Fixture is a recessed fixture with a 110-degree beam angle. We offer choices of clear, frosted and milky lenses to create a full range of light output and design options. Custom design a fixture for nearly any application with our AR3 Channel Fixture and RibbonLyte products.

- Available for field assembly or factory assembly
- Beam angle 110°
- 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

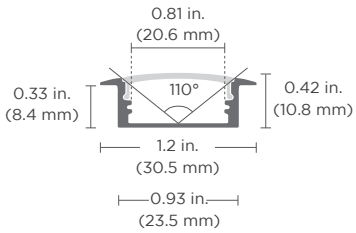
AVAILABLE COLORS & COLOR TEMPERATURES



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

DIMENSIONS

AR3 Channel

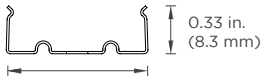


Width: 1.2 in. (30.5 mm)
Height: 0.42 in. (10.8 mm)
Internal Width: 0.81 in. (20.6 mm)
Recessed Width: 0.93 in. (23.5 mm)

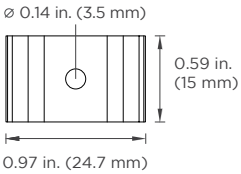
Mounting Clip

Material: stainless steel

Side View



Top View





Width: 0.59 in. (15 mm)
Length: 0.97 in. (24.7 mm)
Height: 0.33 in. (8.3 mm)

NOTE:
1. This channel does not require mounting clips. Please see our installation guide for instructions.
2. Exterior channel applications should be securely attached to the mounting surface with appropriate screws and/or liquid nails.
3. Acolyte strongly recommends field assembly for exterior applications.

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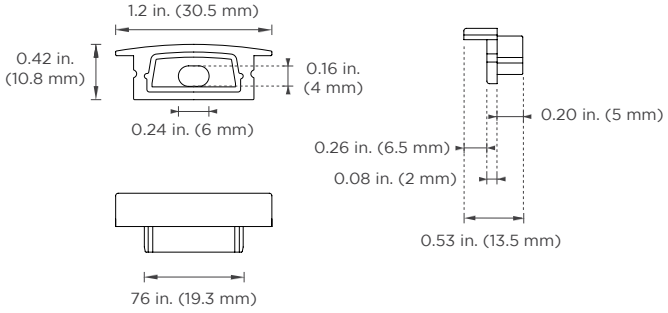
SPECIFICATIONS

Beam Angle	110°
Lens Type	Clear Lens, Frosted Lens, Milky Lens
Length	Channel is sold by the foot and cut to your exact desired length
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, Pixel RGB, RGBW, RGBWW, RGBA, VW, Warm Dim RGBW Addressable (1800K, 2000K, 2200K, Pixel RGB only available in IP20)
CRI	90+ CRI (for Static White LEDs only)
Lifetime (L70 reported)	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

End Caps

Material: ABS



End Cap without hole



End Cap with hole



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GEN LED acolyte® Architectural Lighting Solutions

ORDERING GUIDE

STEP 1 Complete Channel Part Number

CHANNEL	LENS		HOUSING COLOR	
CHAR3				
CHAR3 - AR3 Channel	**C** - Clear Lens*	**M** - Milky Lens	**SV** - Silver (default)	**WH** - White**
	F - Frosted Lens	* Clear lens is the default option if not specified.	**BK** - Black**	** Additional fee applies Consult factory for custom colors

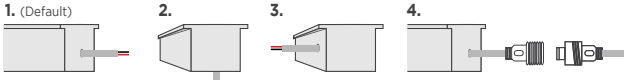
STEP 2 Complete RibbonLyte Part Number

CATEGORY	CRI	RIBBON TYPE & IP RATING		
RB				
RB - RibbonLyte	**0** - Static Color, Color Changing	**SWS220** - Static White Series 2 IP20	**RGBWS220** - RGBW Series 2 IP20	**RGBWW20** - RGBWW 5-in-1 IP20
	90 - 90+ CRI Static White	**SWS265** - Static White Series 2 IP65	**RGBWS265** - RGBW Series 2 IP65	**RGBWADD** - Addressable RGBW IP67
		SWS268 - Static White Series 2 IP68	**RGBWS268** - RGBW Series 2 IP68	**RGBADD** - Pixel RGB IP20
		SWS269 - Static White Series 2 IP69	**RGBWS269** - RGBW Series 2 IP69	**WD20** - Warm Dim IP20
		SCS220 - Static Color Series 2 IP20	**VWS220** - VW Series 2 IP20	**WD65** - Warm Dim IP65
NOTE: To ensure waterproofing standards are met, IP65/IP68/IP69 RibbonLyte can NOT be cut in the field.		**SCS265** - Static Color Series 2 IP65	**VWS265** - VW Series 2 IP65	**WD68** - Warm Dim IP68
		SCS268 - Static Color Series 2 IP68	**VWS268** - VW Series 2 IP68	**WD69** - Warm Dim IP69
		SCS269- - Static Color Series 2 IP69	**VWS269** - VW Series 2 IP69	**XACTA20** - Xacta RibbonLyte IP20
				LINEA20 - Linea RibbonLyte IP20

WATTAGE	COLOR	
0.75 - 0.75 W/ft (2.46 W/m - Static White, Static Color)	**18** - 1800K	**VW** - Variable White 2000K-6500K
1.0 - 1.0 W/ft (3.3 W/m - Variable White)	**20** - 2000K	**VW1833** - Variable White 1800K-3300K (IP20)
1.5 - 1.5 W/ft (4.9 W/m - Static White, Static Color, Variable White)	**22** - 2200K	**RGB27** - Red, Green, Blue + 2700K
2.2 - 2.2 W/ft (7.2 W/m - Static White, Static Color)	**24** - 2400K	**RGB30** - Red, Green, Blue + 3000K
2.4 - 2.4 W/ft (8 W/m - Static White Linea)	**27** - 2700K	**RGB40** - Red, Green, Blue + 4000K
3.0 - 3.0 W/ft (9.8 W/m - Static White, Static Color, Variable White)	**30** - 3000K	**RGB2465** - Red, Green, Blue + 2400K + 6500K
4.3 - 4.3 W/ft (14 W/m - Static White Linea)	**35** - 3500K	**RGBA** - Red, Green, Blue + Amber
4.4 - 4.4 W/ft (14.4 W/m - Static White, Static Color, RGBW, RGBWW, RGBA)	**40** - 4000K	**RGBW30** - RGB + 3000K Addressable
4.5 - 4.5 W/ft (14.8 W/m - Static White, Variable White)	**60** - 6000K	**RGBW40** - RGB + 4000K Addressable
5.0 - 5.0 W/ft (16.4 W/m - Static White, Static Color)	**R** - Red	**RGBW60** - RGB + 6000K Addressable
5.2 - 5.2 W/ft (17.1 W/m - Warm Dim)	**A** - Amber	**RGBS** - Pixel RGB (SPI)
5.5 - 5.5 W/ft (18.0 W/m - RGBW, RGBA)	**G** - Green	**2920** - Warm Dim 2900K-2000K (IP20)
6.0 - 6.0 W/ft (19.7 W/m - Static White, Static Color, Variable White, RGBW Addressable)	**B** - Blue	**1830** - Warm Dim 3000K-1800K (IP20)
6.1 - 6.1 W/ft (20 W/m - Variable White Linea, Pixel RGB)		**2721** - Warm Dim 2700K-2100K (IP65/IP68/IP69)
8.8 - 8.8 W/ft (28.9 W/m - RGBW, RGBWW)		**Z** - Undecided (For quotes only. Must be chosen before final order.)

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	

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. **6.**



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

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

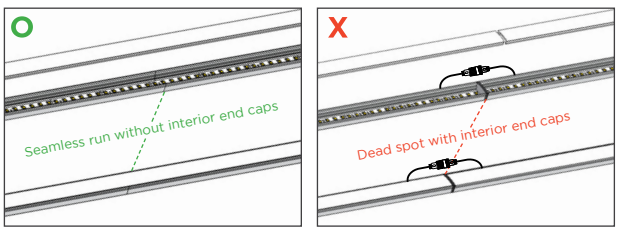
STEP 3 Complete Assembly Option & Length

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

RIBBONLYTE SPECIFICATIONS & COMPATIBILITY

Available Wattages	Incremental Length	LED Pitch	Color Temp.	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	IP69
0.75 Static White Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	1800K	58	190.3	53.6	175.8	44.1	144.6	IP20: 49 ft (15 m) IP65/ IP68/ IP69: 32.8 ft (10 m)	✓	✓	✓	✓
			2000K	68.3	224	63.1	207	52	170.6					
			2200K	75.2	246.7	69.5	228	57.2	187.6					
			2400K	78	255.8	72	236.2	59.3	194.5					
			2700K	84.9	278.5	78.4	257.2	64.6	211.9					
			3000K	84.9	278.5	78.4	257.2	64.6	211.9					
			3500K	89.7	294.2	82.9	272	68.3	224					
			4000K	92.5	303.4	85.4	280.1	70.4	230.9					
			6000K	90.4	296.5	83.5	273.9	68.8	225.7					
1.5 Static White Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	1800K	115.9	380.2	107.1	351.3	88.2	289.3	IP20: 49 ft (15 m) IP65/ IP68/ IP69: 32.8 ft (10 m)	✓	✓	✓	✓
			2000K	135.2	443.5	125	410	102.9	337.5					
			2200K	150.4	493.3	139	455.9	114.5	375.6					
			2400K	155.9	511.4	144.1	472.6	118.7	389.3					
			2700K	169.7	556.6	156.8	514.3	129.2	423.8					
			3000K	169.7	556.6	156.8	514.3	129.2	423.8					
			3500K	178	583.8	164.5	539.6	135.5	444.4					
			4000K	184.9	606.5	170.9	560.6	140.7	461.5					
			6000K	180.8	593	167	547.8	137.6	451.3					
2.2 Static White Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	1800K	168	51	155.2	509.1	127.8	419.2	IP20: 42 ft (12.8 m) IP65/ IP68/ IP69: 32.8 ft (10 m)	✓	✓	✓	✓
			2000K	194.3	637.3	179.5	588.8	147.8	484.8					
			2200K	214.5	703.6	198.2	650.1	163.2	535.3					
			2400K	224.7	737	207.6	680.9	170.9	560.6					
			2700K	242.9	796.7	224.4	736	184.8	606.1					
			3000K	246.9	809.8	228.1	748.2	187.9	616.3					
			3500K	257	843	237.5	779	195.6	641.6					
			4000K	269.2	883	248.7	779	204.8	671.7					
			6000K	259.1	849.8	239.4	785.2	197.1	646.5					
3.0 Static White Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	1800K	231.8	760.4	214.2	702.6	176.4	578.6	IP20: 36 ft (11 m) IP65/ IP68/ IP69: 32.8 ft (10 m)	✓	✓	✓	✓
			2000K	270.5	887.2	249.9	819.7	205.8	675					
			2200K	298.1	977.7	275.4	903.3	226.8	743.9					
			2400K	303.1	994.1	280.1	918.6	230.6	756.5					
			2700K	339.6	1114	313.5	1028.1	258.1	846.7					
			3000K	359.1	1177.9	331.4	1087.1	273	895.3					
			3500K	367.5	1205.3	339.2	1112.4	279.3	916.1					
			4000K	367.5	1205.3	339.2	1112.4	279.3	916.1					
			6000K	350.8	1150.5	323.7	1061.8	266.6	874.5					
4.4 Static White Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	1800K	327.9	1075.5	302.9	993.6	249.5	818.3	28 ft 4 in. (8.64 m)	✓	✓	✓	✓
			2000K	384.6	1261.4	355.3	1165.4	292.6	959.7					
			2200K	425	1394.1	392.7	1288.1	323.4	1060.8					
			2400K	441.2	1447	407.7	1337.1	335.7	1101.2					
			2700K	494.4	1621.6	456.3	1496.6	375.8	1232.5					
			3000K	522.8	1714.7	482.5	1582.5	397.3	1303.2					
			3500K	534.9	1754.5	493.7	1619.3	406.6	1333.5					
			4000K	534.9	1754.5	493.7	1619.3	406.6	1333.5					
			6000K	510.6	1674.8	471.2	1545.7	388.1	1272.9					
5.0 Static White Series 2	1.4 in. (35.7 mm)	68 LEDs/ft (224 LEDs/m)	1800K	381.8	1252.3	352.8	1157	290.5	952.8	IP20: 33 ft 4 in. (10.1 m) IP65/ IP68/ IP69: 32.8 ft (10 m)	✓	✓	✓	✓
			2000K	450.8	1478.6	416.5	1366.1	343	1125					
			2200K	492.2	1614.4	454.8	1491.6	374.5	1228.4					
			2400K	505.1	1656.8	466.8	1531	384.4	1260.8					
			2700K	566.1	1856.7	522.4	1713.6	430.2	1411.2					
			3000K	598.5	1963.2	552.4	1811.9	454.9	1492.1					
			3500K	612.5	2008.9	565.3	1854	465.5	1526.8					
			4000K	612.5	2008.9	565.3	1854	465.5	1526.8					
			6000K	584.6	1917.6	539.6	1769.7	444.3	1457.4					
6.0 Static White Series 2	1.4 in. (35.7 mm)	68 LEDs/ft (224 LEDs/m)	1800K	452.6	1484.7	418.2	1371.7	344.4	1129.6	28 ft (8.5 m)	✓	✓	✓	✓
			2000K	524.4	1720	484.5	1589.2	399.0	1308.7					
			2200K	585.1	1919.2	540.6	1773.2	445.2	1460.3					
			2400K	601.6	1973.2	555.9	1823.4	457.8	1501.6					
			2700K	674.2	2211.3	622.2	2040.8	512.4	1680.7					
			3000K	712.9	2338.2	657.9	2157.9	541.8	1777.1					
			3500K	729.4	2392.5	673.2	2208.1	554.4	1818.4					
			4000K	729.4	2392.5	673.2	2208.1	554.4	1818.4					
			6000K	696.3	2283.8	642.6	2107.7	529.2	1735.8					

RIBBONLYTE SPECIFICATIONS & COMPATIBILITY

Available Wattages	Incremental Length	LED Pitch	Color Temp.	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	IP69
0.75 Static Color Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	Red	28	93	26	86	22	70.6	IP20: 49 ft (15 m)	✓	✓	✓	✓
			Green	121	396	112	366	92	301.4					
			Blue	13	43	12	40	10	32.7	IP65/ IP68/ IP69: 32.8 ft (10 m)				
			Amber	23	77	22	71	18	58.6					
1.5 Static Color Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	Red	58	190	54	176	44	144.7	IP20: 49 ft (15 m)	✓	✓	✓	✓
			Green	221	724	204	669	168	551.1					
			Blue	25	81	23	75	19	62	IP65/ IP68/ IP69: 32.8 ft (10 m)				
			Amber	47	154	43	142	36	117.1					
2.2 Static Color Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	Red	85	279	79	258	65	212.2	IP20: 42 ft (12.8 m)	✓	✓	✓	✓
			Green	293	963	271	889	223	732.4					
			Blue	36	119	34	110	28	90.9	IP65/ IP68/ IP69: 32.8 ft (10 m)				
			Amber	67	219	62	202	51	166.7					
3.0 Static Color Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	Red	110.4	362.1	102	334.6	84	275.52	32.8 ft (10 m)	✓	✓	✓	✓
			Green	350.9	1151	323.9	1062.2	266.7	874.78					
			Blue	69.1	226.6	63.8	209.1	52.5	172.2					
			Amber	80.1	262.8	74	242.6	60.9	199.75					
4.4 Static Color Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	Red	153.8	504.5	142.1	466.2	117	383.89	29 ft (8.8 m)	✓	✓	✓	✓
			Green	474.1	1555.1	437.6	1435.3	360.4	1181.98					
			Blue	97.3	319	89.8	294.4	73.9	242.46					
			Amber	101.3	332.2	93.5	306.7	77	252.56					
5.0 Static Color Series 2	1.4 in. (35.7 mm)	68 LEDs/ft (224 LEDs/m)	Red	170.2	558.2	157.3	515.8	129.5	424.76	30 ft (9.14 m)	✓	✓	✓	✓
			Green	534.2	1752.1	493	1617	406	1331.68					
			Blue	110.5	362.5	102	334.6	84	275.52					
			Amber	119.7	392.7	110.5	362.4	91	298.48					
6.0 Static Color Series 2	1.4 in. (35.7 mm)	68 LEDs/ft (224 LEDs/m)	Red	204.2	669.8	188.7	618.9	155.4	509.71	28 ft (8.5 m)	✓	✓	✓	✓
			Green	624.4	2048.2	576.3	1890.3	474.6	1556.6					
			Blue	127.1	416.9	117.3	384.8	96.6	316.9					
			Amber	132.6	435	122.4	401.6	100.8	330.7					
2.4 Static White Linea	1.97 in. (50 mm)	146 LEDs/ft (480 LEDs/m)	2700K	148.1	485.8	136.9	448.8	112.7	369.6	21.3 ft (6.5 m)	✓	n/a	n/a	n/a
			3000K	156.4	514.3	144.5	475.2	119	391.3					
			3500K	183.1	601.7	169.2	555.9	139.3	457.8					
			4000K	183.1	601.7	169.2	555.9	139.3	457.8					
3.0 Static White Linea	1.97 in. (50 mm)	146 LEDs/ft (480 LEDs/m)	2700K	182.2	598	168.3	552.5	138.6	455	21.3 ft (6.5 m)	✓	n/a	n/a	n/a
			3000K	201.5	661.5	186.2	611.2	153.3	503.3					
			3500K	215.3	706.6	198.9	652.8	163.8	537.6					
			4000K	229.1	751.6	211.7	694.5	174.3	571.9					
4.3 Static White Linea	1.97 in. (50 mm)	146 LEDs/ft (480 LEDs/m)	2700K	297.2	973.4	274.6	899.3	226.1	740.6	24.6 ft (7.5 m)	✓	n/a	n/a	n/a
			3000K	308.2	1012	284.8	935	234.5	770					
			3500K	340.4	1116.9	314.5	1031.9	259	849.8					
			4000K	340.4	1116.9	314.5	1031.9	259	849.8					
6.1 Variable White Linea	1.09 in. (27.78 mm)	175 LEDs/ft (576 LEDs/m)	2700K + 6500K	533.6	1750.8	493	1617.6	406	1332.1	16.4 ft (5 m)	✓	n/a	n/a	n/a

RIBBONLYTE SPECIFICATIONS & COMPATIBILITY

Available Wattages	Incremental Length	LED Pitch	Color Temp.	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	IP69
1.5 Static White Xacta	0.2 in. (5 mm)	61 LEDs/ft (200 LEDs/m)	1800K	110.2	361.6	101.8	334.1	83.9	275.1	32.74 ft (9.98 m)	✓	n/a	n/a	n/a
			2000K	130.1	426.8	120.2	394.3	99	324.7					
			2200K	142.7	468.3	131.9	432.6	108.6	356.3					
			2400K	148.2	486.1	136.9	449.1	112.7	369.8					
			2700K	168	551.3	155.3	509.3	127.9	419.4					
			3000K	175.3	575	161.9	531.2	133.4	437.5					
			3500K	180.7	592.8	166.9	547.7	137.5	451					
			4000K	177.1	580.9	163.6	536.7	134.7	442					
			6000K	173.5	569	160.3	525.7	132	433					
3.0 Static White Xacta	0.2 in. (5 mm)	61 LEDs/ft (200 LEDs/m)	1800K	196.3	643.9	181.3	594.9	149.3	489.9	23.62 ft (7.2 m)	✓	n/a	n/a	n/a
			2000K	231.6	760	214	702.2	176.2	578.3					
			2200K	254.2	833.9	234.8	770.5	193.4	634.5					
			2400K	263.8	865.6	243.7	799.7	200.7	658.6					
			2700K	299.2	981.7	276.4	907	227.7	747					
			3000K	312.1	1023.9	288.3	946	237.4	779.1					
			3500K	321.7	1055.6	297.2	975.3	244.8	803.2					
			4000K	315.3	1034.5	291.3	955.8	239.9	787.1					
			6000K	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	299.6	983	276.8	908.2	228	747.9	19.03 ft (5.8 m)	✓	n/a	n/a	n/a
			2000K	353.7	1160.3	326.7	1072	269.1	882.8					
			2200K	388	1273.1	358.5	1176.2	295.2	968.6					
			2400K	402.8	1321.4	372.1	1220.9	306.5	1005.4					
			2700K	456.8	1498.7	422	1384.6	347.6	1140.3					
			3000K	476.5	1563.1	440.2	1444.2	362.5	1189.3					
			3500K	491.2	1611.5	453.8	1488.9	373.7	1226.1					
			4000K	481.4	1579.2	444.7	1459.1	366.3	1201.6					
			6000K	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	189.1	620.4	174.7	573.2	143.9	472	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	371.1	1217.7	342.9	1125.1	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	524.2	1719.8	484.3	1588.9	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	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	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	415	1362	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	188.1	617.2	168.3	552.2	148.5	487.2	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	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	510.2	1673.8	456.3	1497.1	402.6	1320.9	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	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	409.2	1342.6	374	1227.1	330	1082.7	11 ft 6 in (3.5 m)	✓	n/a	n/a	n/a
RGBW Addressable	3.94 in. (100 mm)	18 LEDs/ft (60 LEDs/m)	Red	30.8	101.2	28.5	93.5	23.5	77 l	16 ft 5.64 in. (5.02 m)	n/a	n/a	✓ IP67	n/a
			Green	75.4	247.5	69.7	228.7	57.4	188.3					
			Blue	14.2	46.7	13.2	43.2	10.8	35.6					
			White	94.8	310.9	87.6	287.3	72.1	236.6					
			All	222.8	730.8	205.8	675.2	169.5	556.1					
6.1 Pixel RGB	3.94 in. (100 mm)	18 LEDs/ft (60 LEDs/m)	RGB (all on)	114.54	375.36	105.83	346.8	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	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				Static White & Static Color Xacta	RGBW & RGBA Series 2		5-in-1 RGBWW	5-in-1 RGBWW	Pixel RGB	RGBW Addressable	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	6.0	1.0/3.0/6.0	5.2
IP20/IP65/IP68/IP69	IP20/IP65	IP68/IP69	IP20/IP65/IP68/IP69	IP20	IP20	IP65/IP68/IP69	IP20/IP69	IP20	IP20	IP67	IP20/IP65/IP68/IP69	IP20/IP65/IP68/IP69
Y	N	Y	N	N	Y	Y	Y	Y	Y	Y	Y	Y

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



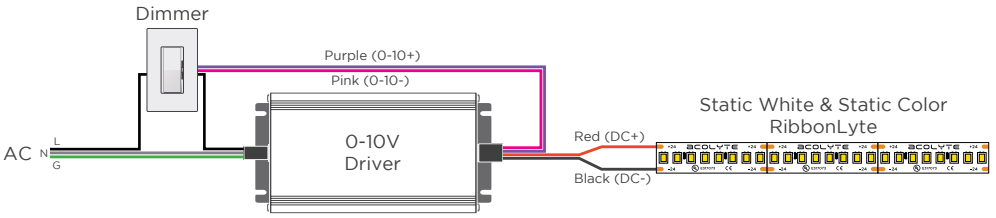
DMX OPTO SPLITTER
Part No.: DMXOS8

DRIVER AND RIBBONLYTE AT FULL LOAD

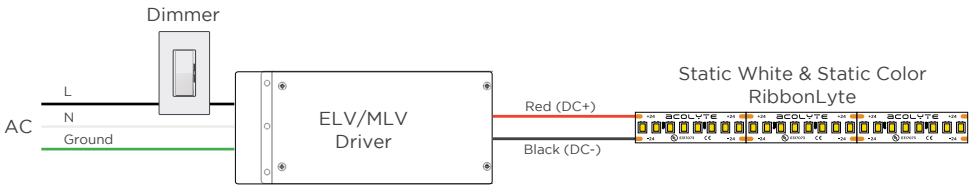
Wattages	30		60		96		150		200		240		300		320	
Wire Gauge	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters
24 AWG / 0.25 mm²	14	4.27	9	2.74	5.5	1.68	3.75	1.14	2.75	0.84	2.25	0.69	1.75	0.53	1.75	0.53
22 AWG / 0.34 mm²	22	6.71	14	4.27	9	2.74	5.75	1.75	4.5	1.37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

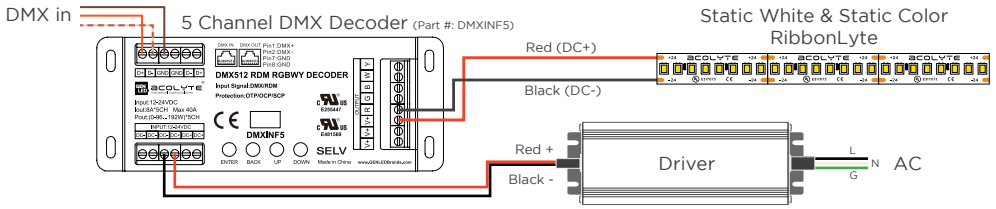
0-10 V



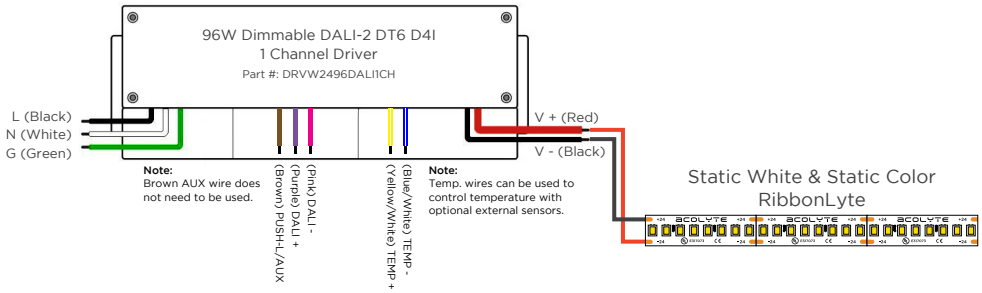
MLV / ELV



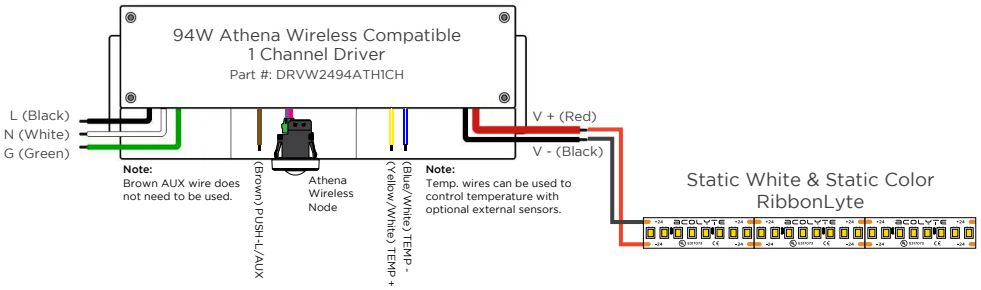
DMX WIRING WITH STATIC WHITE & STATIC COLOR RIBBONLYTE



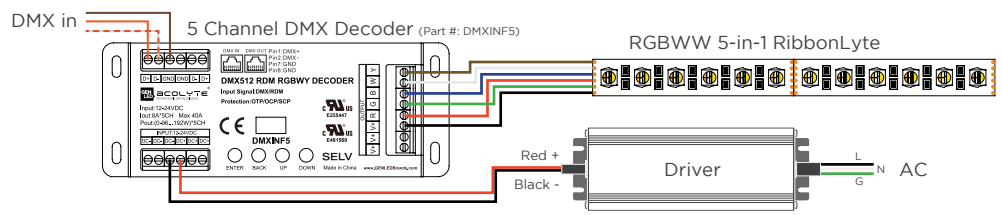
DALI-2 WIRING WITH STATIC WHITE & STATIC COLOR RIBBONLYTE



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



DMX WITH RGBWW 5-IN-1 RIBBONLYTE



WIRE COLORS

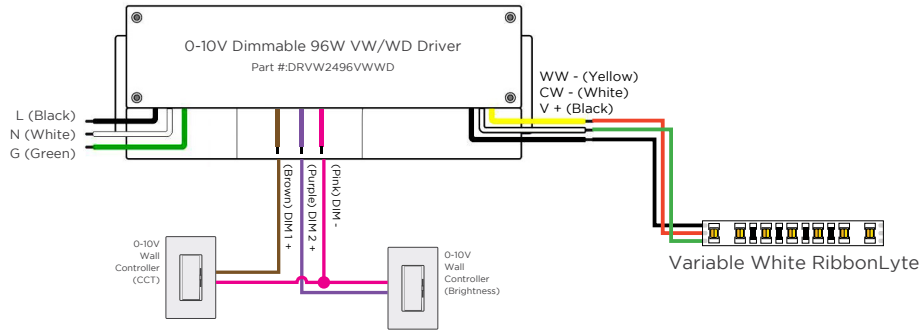
STATIC WHITE + STATIC COLOR
Red Wire (+) Positive
Black Wire (-) Negative

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

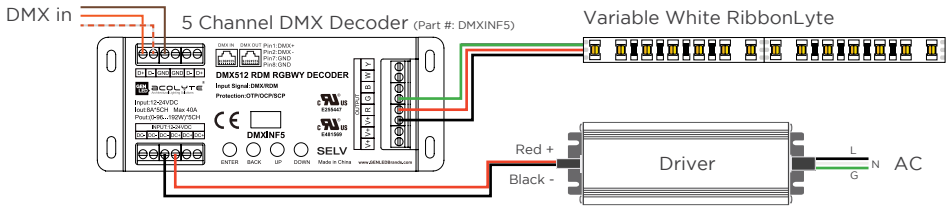
RGBWW
Black (+) Positive
Green Wire (-) goes to Green Channel
Red Wire (-) goes to Red Channel
Blue Wire (-) goes to Blue Channel
White Wire (-) goes to White Channel 1
Brown Wire (-) goes to White Channel 2

WIRING DIAGRAMS - VARIABLE WHITE

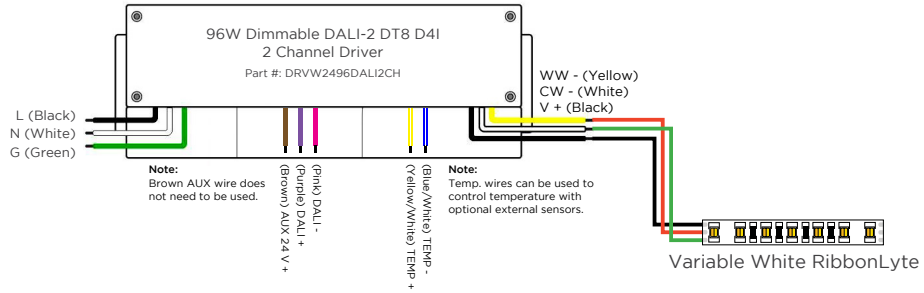
2-CHANNEL VARIABLE WHITE DIMMING



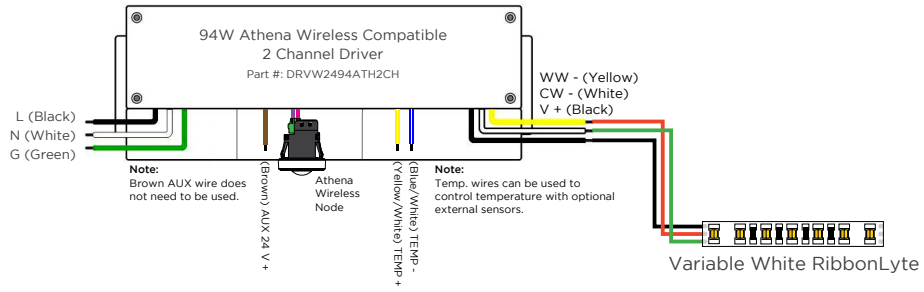
DMX WIRING WITH VARIABLE WHITE RIBBONLYTE



DALI-2 WIRING WITH VARIABLE WHITE RIBBONLYTE



VARIABLE WHITE RIBBONLYTE WIRING WITH ATHENA WIRELESS COMPATIBLE DRIVER



WIRE COLORS

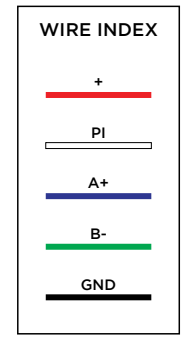
VARIABLE WHITE
Black Wire (+) Positive
Red Wire (-) goes to Warm White Channel
Green Wire (-) goes to Cool White Channel

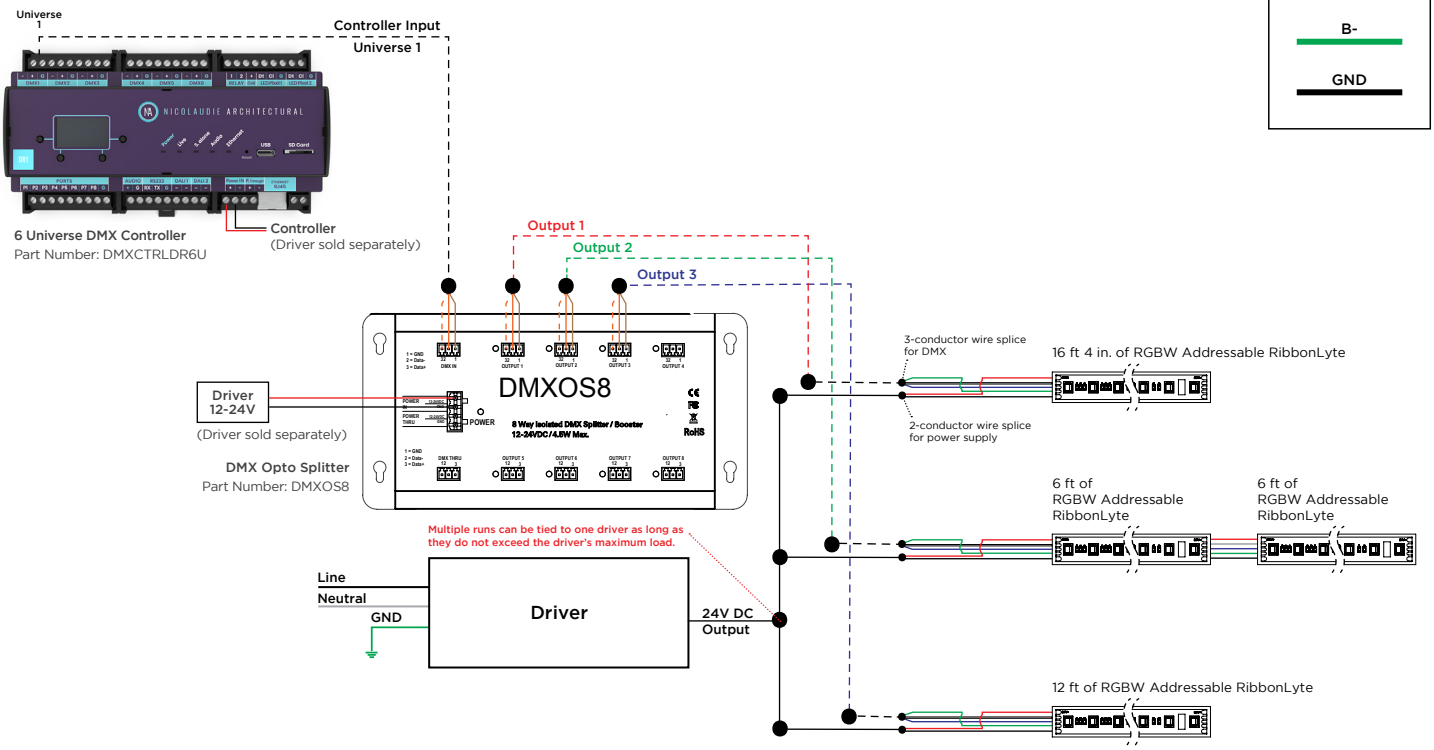
WIRING DIAGRAMS WITH RGBW ADDRESSABLE RIBBONLYTE

One DMX Universe consists of 128 addresses and 512 channels (42 ft / 12.8 m of RibbonLyte).

Any single run of RibbonLyte that is less than 16 ft, 4 in. can be wired directly to the controller.

For additional runs, Opto Splitter must be used. Each individual run will need its own Opto Splitter output.





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