

AR3 CHANNEL FIXTURE

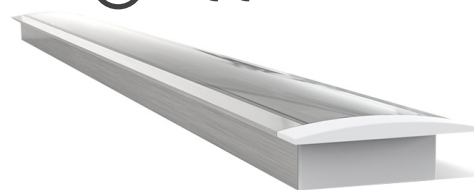
AR3 Channel Fixture is a recessed fixture with a 110-degree beam angle. We offer choices of clear, frosted and milky lenses to create a full range of light output and design options. Custom design a fixture for nearly any application with our AR3 Channel Fixture and RibbonLyte products.

- 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

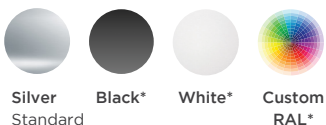


RoHS

Declare.



HOUSING FINISHES



*Additional fee applies

AVAILABLE LENS FINISHES

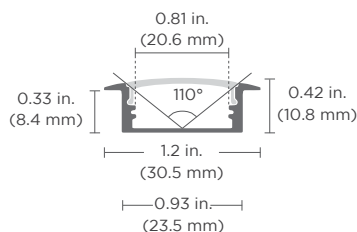


AVAILABLE COLORS & COLOR TEMPERATURES



DIMENSIONS

AR3 Channel

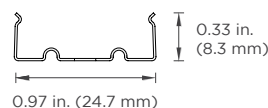


Width: 1.2 in. (30.5 mm)
Height: 0.42 in. (10.8 mm)
Internal Width: 0.81 in. (20.6 mm)
Recessed Width: 0.93 in. (23.5 mm)

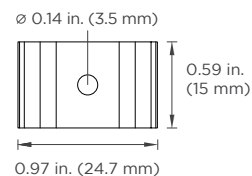
Mounting Clip

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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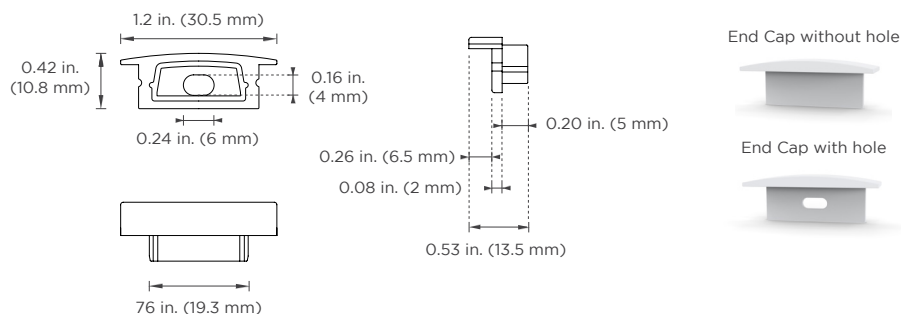
SPECIFICATIONS

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 Luminaires; with Gen. Inst. 1: 1997, Gen Inst. 2: 1998. ROHS compliant

ACCESSORIES

End Caps

Material: ABS



ORDERING GUIDE

STEP 1 Complete Channel Part Number

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

STEP 2 Complete RibbonLyte Part Number

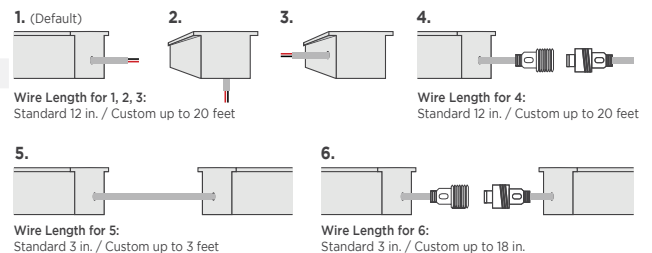
CATEGORY	CRI	RIBBON TYPE & IP RATING
RB		
RB - RibbonLyte	0 - Static Color, Color Changing 90 - 90+ CRI Static White	SWS220 - Static White Series 2 IP20 SWS265 - Static White Series 2 IP65 SWS268 - Static White Series 2 IP68 SWS269 - Static White Series 2 IP69 SCS220 - Static Color Series 2 IP20 SCS265 - Static Color Series 2 IP65 SCS268 - Static Color Series 2 IP68 SCS269 - Static Color Series 2 IP69 RGBWS220 - RGBW Series 2 IP20 RGBWS265 - RGBW Series 2 IP65 RGBWS268 - RGBW Series 2 IP68 RGBWS269 - RGBW Series 2 IP69 VWS220 - VW Series 2 IP20 VWS265 - VW Series 2 IP65 VWS268 - VW Series 2 IP68 VWS269 - VW Series 2 IP69 RGBWW20 - RGBWW 5-in-1 IP20 RGBWADD - Addressable RGBW IP67 RGBADD - Pixel RGB IP20 WD20 - Warm Dim IP20 WD65 - Warm Dim IP65 WD68 - Warm Dim IP68 WD69 - Warm Dim IP69 XACTA20 - Xacta RibbonLyte IP20 LINEA20 - Linea RibbonLyte IP20

NOTE: To ensure waterproofing standards are met, IP65/IP68/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 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 RGB5 - 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)	
8.8 - 8.8 W/ft (28.9 W/m - RGBW, RGBWW)	

CONNECTION OPTIONS (See diagrams on the right)

CONNECTION OPTIONS	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	



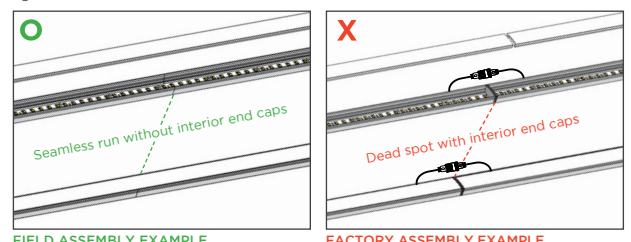
STEP 3 Complete Assembly Option & Length

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.





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)	✓	✓	✓	✓				
			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	IP65/ IP68/ IP69: 32.8 ft (10 m)								
			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)	✓	✓	✓	✓				
			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	IP65/ IP68/ IP69: 32.8 ft (10 m)								
			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)	✓	✓	✓	✓				
			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	IP65/ IP68/ IP69: 32.8 ft (10 m)								
			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)	✓	✓	✓	✓				
			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	IP65/ IP68/ IP69: 32.8 ft (10 m)								
			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	IP65/ IP68/ IP69: 32.8 ft (10 m)								
			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)	✓	✓	✓	✓				
			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	IP65/ IP68/ IP69: 32.8 ft (10 m)								
			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	IP65/ IP68/ IP69: 32.8 ft (10 m)								
			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

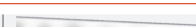
Available Wattages	Incremental Length	LED Pitch	Color Temp.	Delivered Lumens with Clear Lens		Delivered Lumens with Frosted Lens		Delivered Lumens with Milky Lens		Max Length	Compatible with Channel			
				lm/ft	lm/m	lm/ft	lm/m	lm/ft	lm/m		IP20	IP65	IP68	IP69
0.75 Static Color Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	Red	28	93	26	86	22	70.6	IP20: 49 ft (15 m) IP65/ IP68/ IP69: 32.8 ft (10 m)	✓	✓	✓	✓
			Green	121	396	112	366	92	301.4					
			Blue	13	43	12	40	10	32.7					
			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) IP65/ IP68/ IP69: 32.8 ft (10 m)	✓	✓	✓	✓
			Green	221	724	204	669	168	551.1					
			Blue	25	81	23	75	19	62					
			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) IP65/ IP68/ IP69: 32.8 ft (10 m)	✓	✓	✓	✓
			Green	293	963	271	889	223	732.4					
			Blue	36	119	34	110	28	90.9					
			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					
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)	✓
			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		
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: Linear 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	ELV	0-10V VW/WD	COMPACT
			
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	60W Dimmable Driver Part No.: • DRVW2460ELV 24 VDC 100-130 VAC Fits in single-gang switch boxes IP20, dry locations UL Recognized	0-10V Dimmable 90W VW/WD Driver Part No.: • DRVRFWDVW2490120 24 VDC 100-277 VAC IP23, dry/damp locations UL Listed	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	CASAMBI COMPATIBLE DRIVERS	DIMMABLE DALI-2 DRIVERS	DIMMABLE DALI-2 DRIVERS
			
94W Athena Wireless Compatible Drivers Part No.: • DRVW2494ATH1CH (1 channel) • DRVW2494ATH2CH (2 channel) 24 VDC 100-277 VAC Dry locations UL Listed	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	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	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

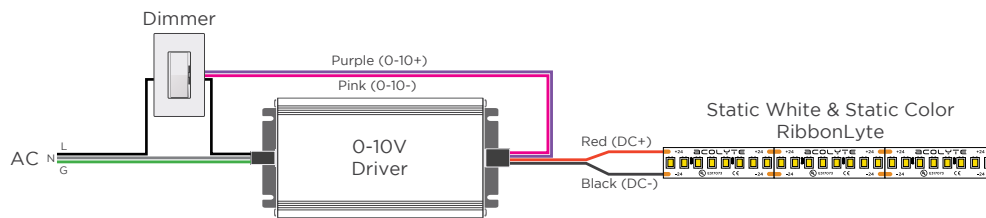
				
GLASS TOUCH WALL CONTROLLERS Part No.: • AWCRCBWWBK • AWCWBK	1 ZONE WALL CONTROLLER Part No.: DMXCTRLG	5 ZONE WALL CONTROLLER Part No.: DMXCTRL	10 ZONE WALL CONTROLLER Part No.: DMXCTRLD	6 UNIVERSE DMX CONTROLLER Part No.: DMXCTRLDR6U
				
VARIABLE WHITE DIMMER Part No.: • RFDIMVWWH (White) • RFDIMVWBK (Black)	WARM DIM DIMMER Part No.: • RFDIMVDWH (White) • RFDIMVDBK (Black)	4 CHANNEL WATERPROOF DMX INTERFACE Part No.: DMXINFWLC4D	5 CHANNEL DMX DECODER Part No.: DMXINF5	DMX OPTO SPLITTER Part No.: DMXOS8

DRIVER AND RIBBONLYTE AT FULL LOAD

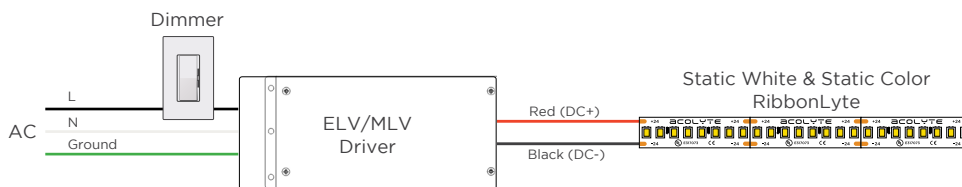
Wattages	30		60		96		150		200		240		300		320	
Wire Gauge	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters
24 AWG / 0.25 mm ²	14	4.27	9	2.74	5.5	1.68	3.75	1.14	2.75	0.84	2.25	0.69	1.75	0.53	1.75	0.53
22 AWG / 0.34 mm ²	22	6.71	14	4.27	9	2.74	5.75	1.75	4.5	1.37	3.5	1.07	2.75	0.84	2.75	0.84
20 AWG / 0.5 mm ²	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 ²	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 ²	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 ²	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 ²	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 ²	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 ²	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

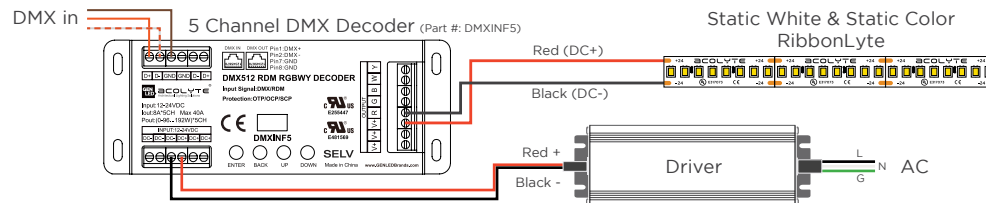
0-10 V



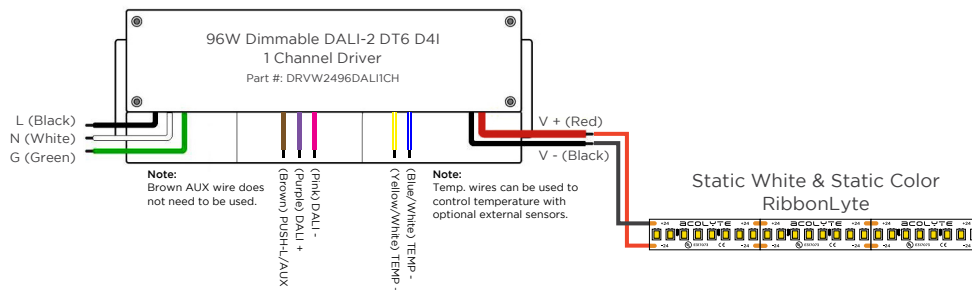
MLV / ELV



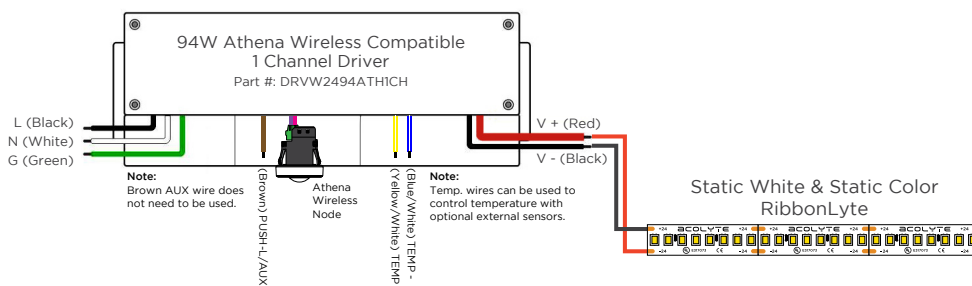
DMX WIRING WITH STATIC WHITE & STATIC COLOR RIBBONLYTE



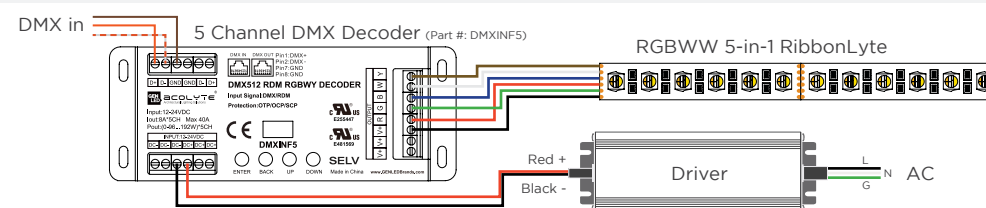
DALI-2 WIRING WITH STATIC WHITE & STATIC COLOR RIBBONLYTE



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

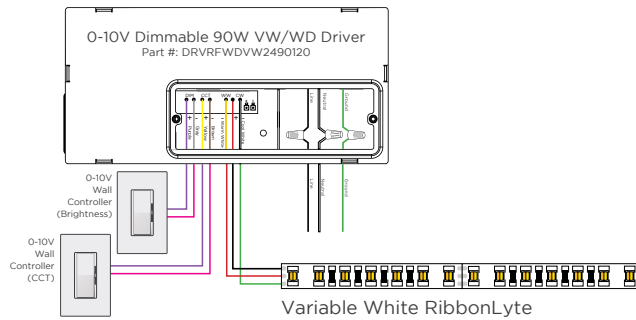
Black Wire (+) Positive
Green Wire (-) goes to Green Channel
Red Wire (-) goes to Red Channel
Blue Wire (-) goes to Blue Channel
White Wire (-) goes to White Channel

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

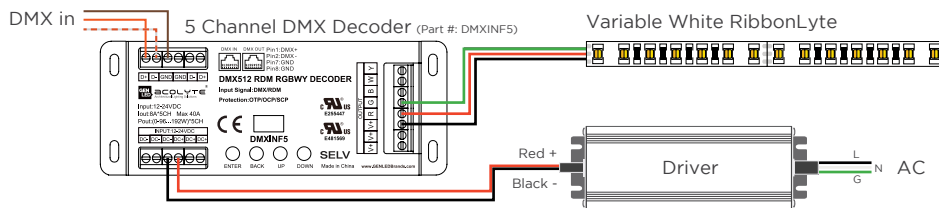


WIRE COLORS PER RIBBONLYTE COLOR

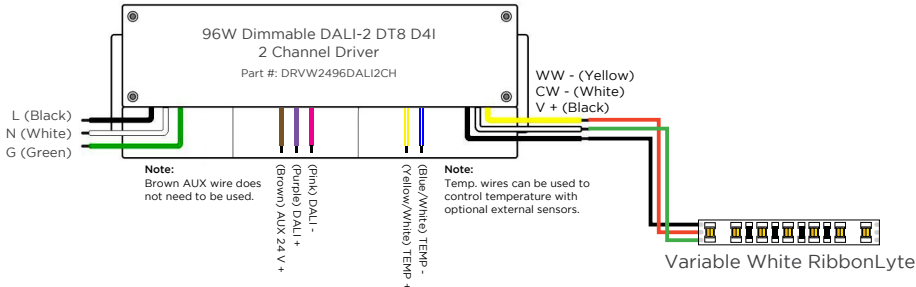
VARIABLE WHITE

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

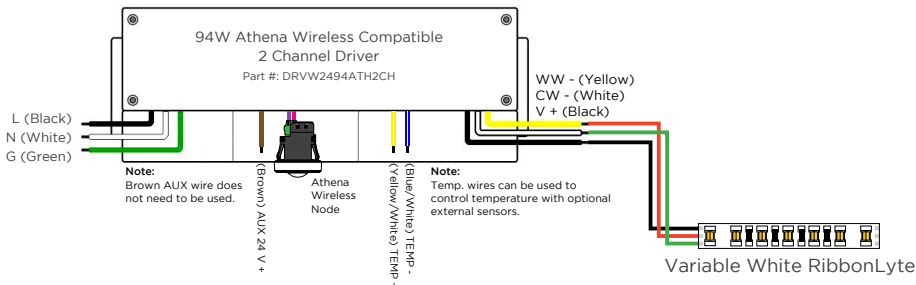
DMX WIRING WITH VARIABLE WHITE RIBBONLYTE



DALI-2 WIRING WITH VARIABLE WHITE RIBBONLYTE



VARIABLE WHITE RIBBONLYTE WIRING WITH ATHENA WIRELESS COMPATIBLE DRIVER

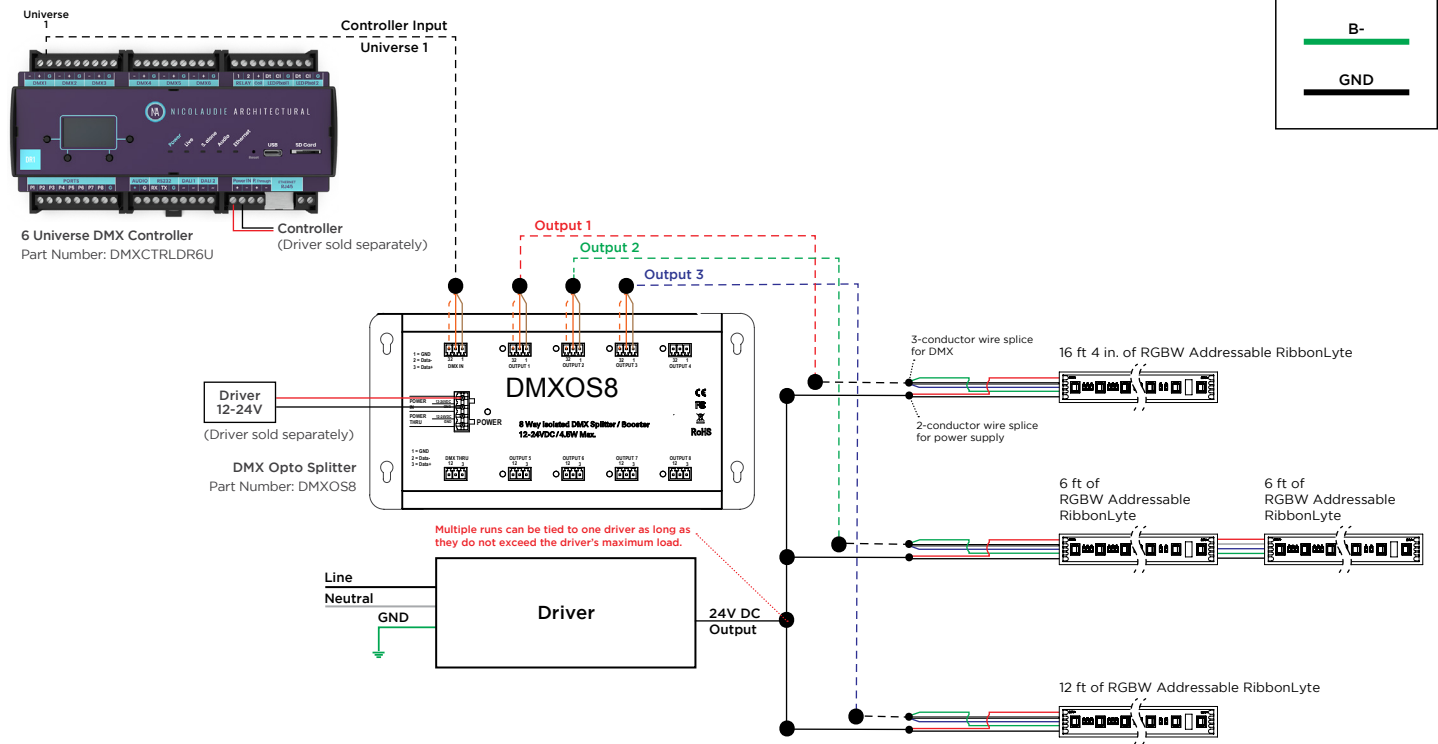


WIRING DIAGRAMS WITH RGBW ADDRESSABLE RIBBONLYTE

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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