GEN LED acolyte®
Architectural Lighting Solutions

Date | Project

Notes

AR1 CHANNEL FIXTURE

Our AR1 Channel Fixture is a recessed fixture with a 115-degree beam angle. We offer the 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 AR1 Channel Fixture and RibbonLyte products.

- Available for field assembly or factory assembly
- Beam Angle 115°
- 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

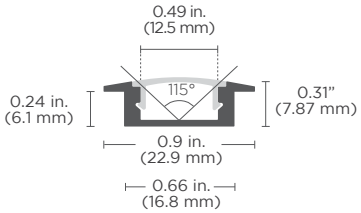
AVAILABLE COLORS & COLOR TEMPERATURES



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

DIMENSIONS

AR1 Channel

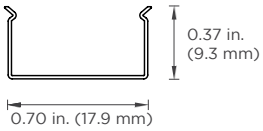


Width: 0.9 in. (22.9 mm)
Height: 0.31 in. (7.87 mm)
Internal Width: 0.49 in. (12.5 mm)

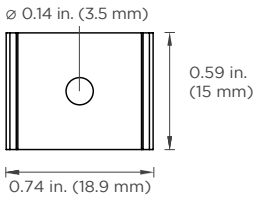
Mounting Clip

Material: stainless steel

Side View



Top View





Width: 0.59 in. (15 mm)
Length: 0.74 in. (18.9 mm)
Height: 0.37 in. (9.3 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.

Acolyte does not warrant or represent that the information is free from errors or omission. The information may change without notice and Acolyte is not in any way liable for the accuracy of any information printed and stored or in any way interpreted or used.

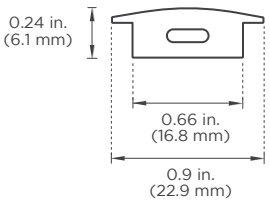
SPECIFICATIONS

Beam Angle	115°
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 (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

Acolyte does not warrant or represent that the information is free from errors or omission. The information may change without notice and Acolyte is not in any way liable for the accuracy of any information printed and stored or in any way interpreted or used.

GEN LED acolyte® Architectural Lighting Solutions

ORDERING GUIDE

STEP 1 Complete Channel Part Number

CHANNEL	LENS	HOUSING COLOR
CHAR1		
CHAR1 - AR1 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.	** Additional fee applies Consult factory for custom colors

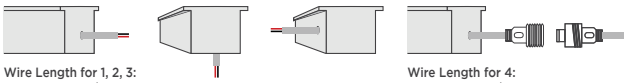
STEP 2 Complete RibbonLyte Part Number

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

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 - IP20/IP65 Static White, IP20/IP65 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 - IP20/IP65 Static White, IP20/IP65 Static Color, Variable White)	**B** - Blue	
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)		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	

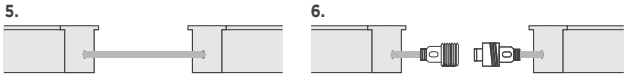
1. (Default) **2.** **3.** **4.**



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.

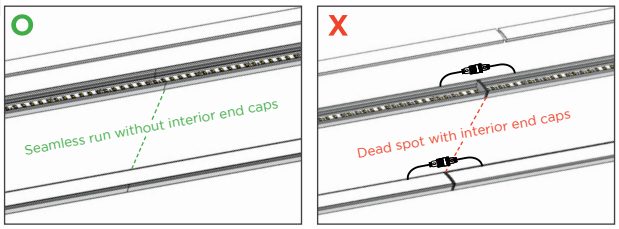
STEP 3 Complete Assembly Option & Length

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: 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: 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 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: 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: 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
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	569.0	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	1,362	382.5	1255	315	1033.5	19 ft 8 in. (6 m)	✓	✓	✓	✓
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
4.4 RGBW Series 2	1.97 in. (50 mm)	36 LEDs/ft (120 LEDs/m)	RGBW (All on)	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 (All on)	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 (All on)	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 (All on)	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 (All on)	409.2	1342.6	374	1227.1	330	1082.7	11 ft 6 in (3.5 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	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/IP65/IP68/IP69	IP20/IP65	IP20	IP20	IP65	IP20	IP20	IP20	IP20/IP65/IP68/IP69	IP20/IP65
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



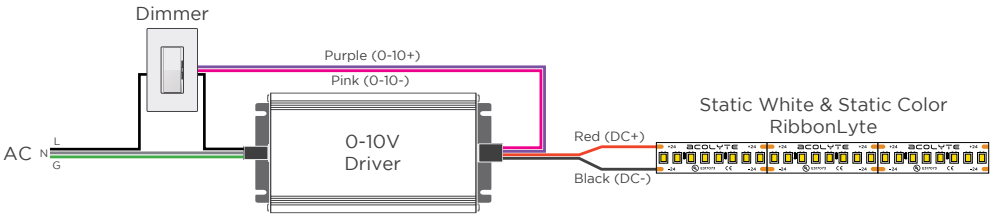
DMX OPTO SPLITTER
Part No.: DMXOS8

DRIVER AND RIBBONLYTE AT FULL LOAD

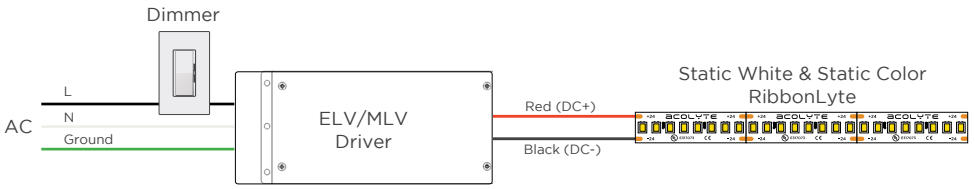
Wattages	30		60		96		150		200		240		300		320	
Wire Gauge	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters
24 AWG / 0.25 mm²	14	4.27	9	2.74	5.5	1.68	3.75	1.14	2.75	0.84	2.25	0.69	1.75	0.53	1.75	0.53
22 AWG / 0.34 mm²	22	6.71	14	4.27	9	2.74	5.75	1.75	4.5	1.37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

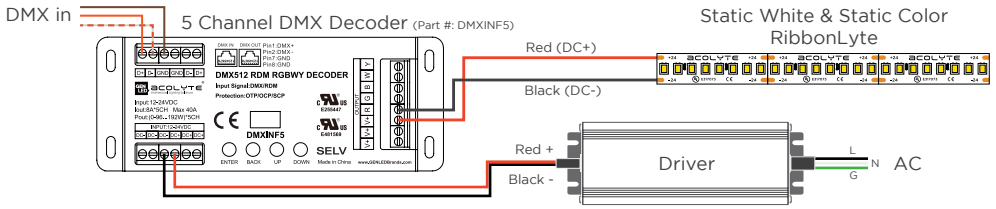
0-10 V



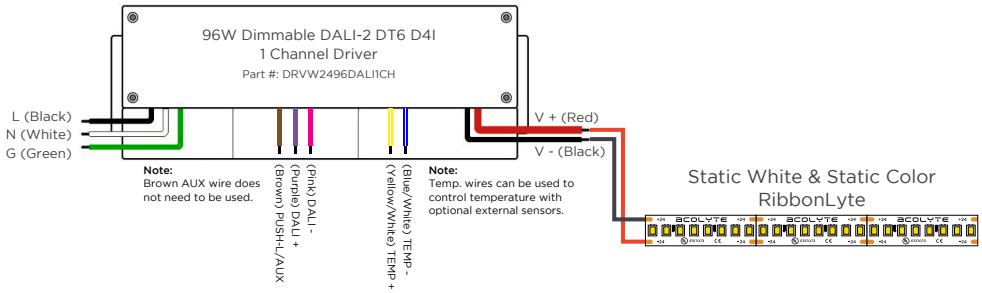
MLV / ELV



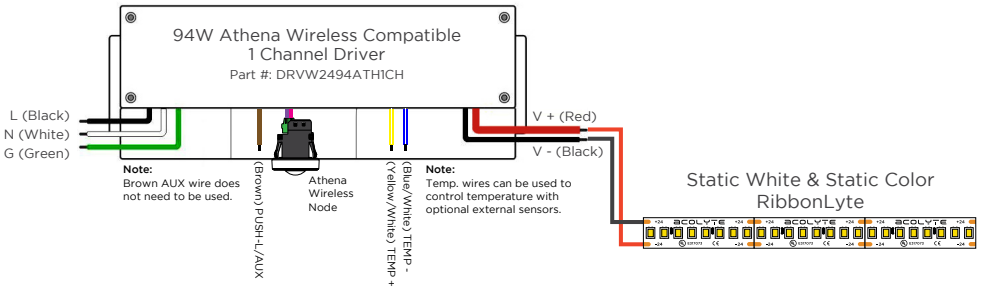
DMX WIRING WITH STATIC WHITE & STATIC COLOR RIBBONLYTE



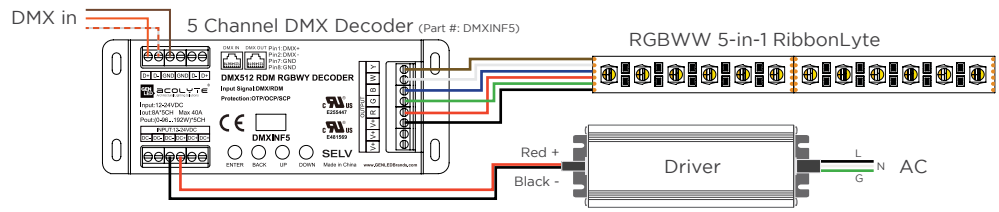
DALI-2 WIRING WITH STATIC WHITE & STATIC COLOR RIBBONLYTE



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



DMX WITH RGBWW 5-IN-1 RIBBONLYTE



WIRE COLORS

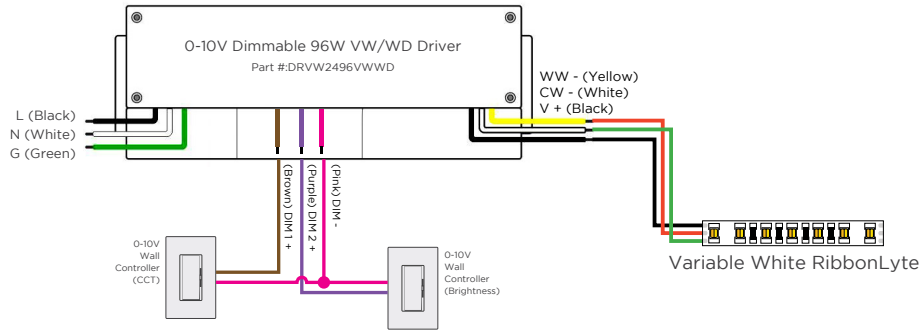
STATIC WHITE + STATIC COLOR
Red Wire (+) Positive
Black Wire (-) Negative

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

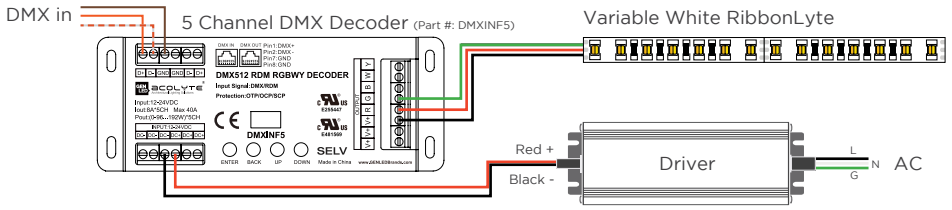
RGBWW
Black (+) Positive
Green Wire (-) goes to Green Channel
Red Wire (-) goes to Red Channel
Blue Wire (-) goes to Blue Channel
White Wire (-) goes to White Channel 1
Brown Wire (-) goes to White Channel 2

WIRING DIAGRAMS - VARIABLE WHITE

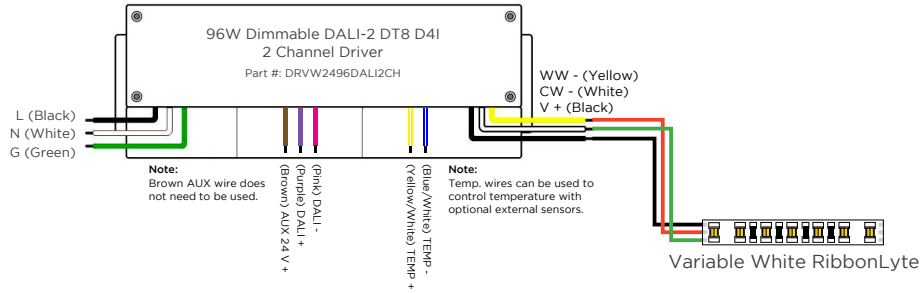
2-CHANNEL VARIABLE WHITE DIMMING



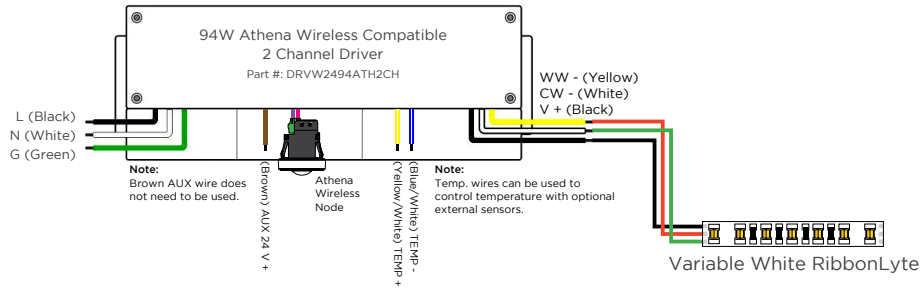
DMX WIRING WITH VARIABLE WHITE RIBBONLYTE



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

REV.04NOV2026

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