

AS20G CHANNEL FIXTURE

Our AS20G Channel Fixture is a grazer channel with a 20-degree beam angle — the narrowest we offer. A grazer lens and either mounting clips or tiltable stands create a full range of light output and design options. Custom design a grazer fixture with our AS20G Channel and RibbonLyte products.

- Available for field assembly or factory assembly
- Beam Angle 20°
- Wattage Range from 0.75 W/ft (2.46 W/m) to 6.0 W/ft (19.7W/m)
- Static White delivered lumen range from 42.8 lm/ft (140.5 lm/m) up to 538.6 lm.ft (1766.5 lm/m)
- Assembled in USA
- Suitable for use in closets with RibbonLyte (6.0 W/ft and less)

HOUSING FINISHES



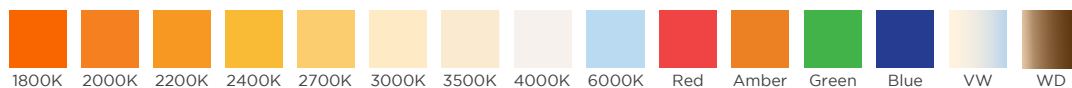
*Additional fee applies

AVAILABLE LENS FINISHES



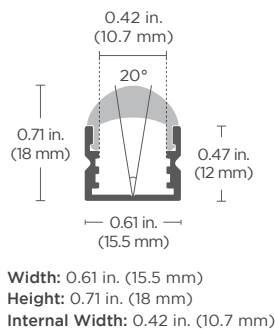
Grazer Lens
90% Light Transmission

AVAILABLE COLORS & COLOR TEMPERATURES



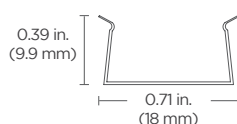
DIMENSIONS

AS20G Channel

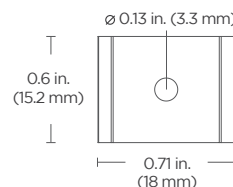


Mounting Clip (Included Accessory)

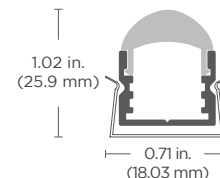
Side View



Top View



Assembled View



Note:

1. Each section of channel includes **3 mounting clips**.
2. **Magnetic mounting** option available (see page 2)
3. **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.

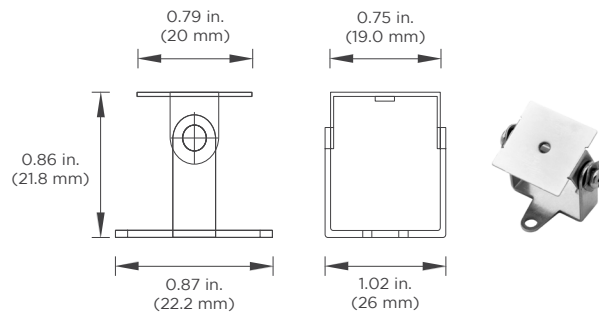


SPECIFICATIONS

Beam Angle	20°
Lens Type	Grazer Lens
Length	Channel is sold by the foot and cut to your exact desired length. Required amount of mounting clips included.
Operating Voltage	24V
Dimming	MLV / 0-10 Volt / Lutron Hi-Lume 1% dimming LED drivers / Lutron VIVE code compliance available / ELV / DALI / DMX
Operating Temperature	-40° F to 158° F (-40° C to 70° C)
Colors	1800K, 2000K, 2200K, 2400K, 2700K, 3000K, 3500K, 4000K, 6000K, Red, Amber, Green, Blue, VW, Warm Dim (1800K, 2000K, 2200K only available in IP20)
CRI	90+ CRI (Static white only)
Lamp Life	L70 at 50,000 Hours
MacAdam Ellipses (SDCM)	2-Step Binning (For Static White LEDs only)
Certifications	ETL 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 UL 2108 - Low Voltage Lighting Systems UL 8750 - Light Emitting Diode (LED) Equipment for Use in Lighting Products UL 1598 / CSA 250.0-08 - Luminaires Suitable for use in closets, compliant with NFPA® 70, NEC® Section 410.16 (A)(3) and 410.16 (C)(5).

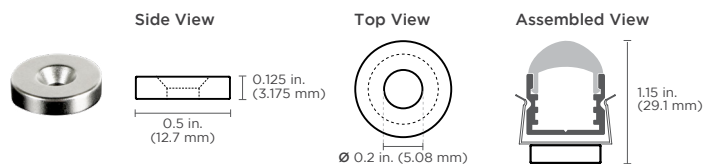
ACCESSORIES

Tilttable Stand (Part # TILTSTANDST)



Assembled Height with Channel: 1.88 in. (47.8 mm)

Magnetic Mount (Part #: CHMAG0.5)



Features:

- High-energy neodymium magnets come attached to mounting clips with countersink hex nuts
- Create easy-mount magnetic channels with minimal surface gaps; no tools or drilling necessary
- Magnets rated for 8 lbs. of pull force with static load

Applications:

- Industrial lighting retrofits for troffers and other metal fixtures
- Metal retail shelf lighting
- Temporary light fixture installations

STEP 1 Complete Channel Part Number

CHANNEL	LENS	HOUSING COLOR	
CHAS20G	G		
CHAS20G - AS20G Channel	G - Grazer Lens	SV - Silver (default)	WH - White
		BK - Black	
		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	VWS220 - VW Series 2 IP20
	90 - 90+ CRI Static White	SWS265 - Static White Series 2 IP65	VWS265 - VW Series 2 IP65
		SCS220 - Static Color Series 2 IP20	WD20 - Warm Dim IP20
		SCS265 - Static Color Series 2 IP65	WD65 - Warm Dim IP65

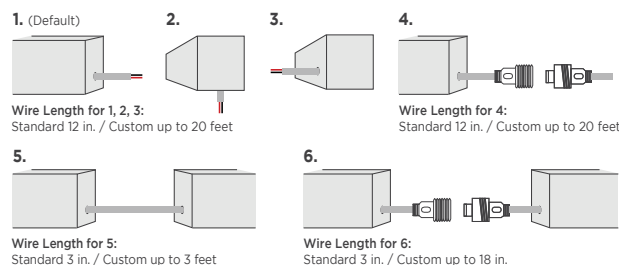
NOTE: To ensure waterproofing standards are met, IP65 can NOT be cut in the field.

WATTAGE	COLOR
0.75 - 0.75 W/ft (2.46 W/m - Static White, Static Color)	18 - 1800K R - Red
1.0 - 1.0 W/ft (3.3 W/m - Variable White)	20 - 2000K A - Amber
1.5 - 1.5 W/ft (4.9 W/m - Static White, Static Color)	22 - 2200K G - Green
2.2 - 2.2 W/ft (7.2 W/m - Static White, Static Color)	24 - 2400K B - Blue
3.0 - 3.0 W/ft (9.8 W/m - Static White, Static Color, Variable White)	27 - 2700K VW - Variable White
4.4 - 4.4 W/ft (14.4 W/m - Static White, Static Color)	30 - 3000K 2920 - Warm Dim 2900K - 2000K (IP20)
5.0 - 5.0 W/ft (16.4 W/m - Static White, Static Color)	35 - 3500K 2721 - Warm Dim 2700K - 2100K (IP65+IP68)
5.2 - 5.2 W/ft (17.1 W/m - Warm Dim)	40 - 4000K Z - Undecided**
6.0 - 6.0 W/ft (19.7 W/m - Static White, Static Color, Variable White)	60 - 6000K ** For quotes only. Must be chosen before final order.

CONNECTION OPTIONS (See diagrams on the right)

- 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

Custom Length (ft.)



STEP 3 Complete Assembly Option & Length

ASSEMBLY OPTION	LENGTH (Standard factory assembled length up to 98 in. / 2.5 m)
FI - Field Assembly	
FA - Factory Assembly*	* Factory assembly is not recommended for exterior applications

STEP 4 Add Accessories

ACCESSORIES
TILTSTANDST - Tiltable Stand
CHMAGO.5 - Magnetic Mount

RIBBONLYTE SPECIFICATIONS & COMPATIBILITY

Available Wattages	Cutttable Length	LED Pitch	Color Temp.	lm/W without Lens	Delivered Lumens with Grazer 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	42.8 lm/ft (140.5 lm/m)	IP20: 49 ft (15 m) IP65: 32.8 ft (10 m)	✓	✓	
			2000K	99	50.5 lm/ft (165.6 lm/m)				
			2200K	109	55.6 lm/ft (182.3 lm/m)				
			2400K	113	57.6 lm/ft (189 lm/m)				
			2700K	123	62.7 lm/ft (205.8 lm/m)				
			3000K	123	62.7 lm/ft (205.8 lm/m)				
			3500K	130	66.3 lm/ft (217.5 lm/m)				
			4000K	134	68.3 lm/ft (224.2 lm/m)				
			6000K	131	66.8 lm/ft (219.1 lm/m)				
1.5 Static White Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	1800K	84	85.7 lm/ft (281 lm/m)	IP20: 49 ft (15 m) IP65: 32.8 ft (10 m)	✓	✓	
			2000K	98	100 lm/ft (327.9 lm/m)				
			2200K	109	111.2 lm/ft (364.7 lm/m)				
			2400K	113	115.3 lm/ft (378.1 lm/m)				
			2700K	123	125.5 lm/ft (411.5 lm/m)				
			3000K	123	125.5 lm/ft (411.5 lm/m)				
			3500K	129	131.6 lm/ft (431.6 lm/m)				
			4000K	134	136.7 lm/ft (448.3 lm/m)				
			6000K	131	133.6 lm/ft (438.3 lm/m)				
2.2 Static White Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	1800K	83	124.2 lm/ft (407.3 lm/m)	IP20: 42 ft (12.8 m) IP65: 32.8 ft (10 m)	✓	✓	
			2000K	96	143.6 lm/ft (471.1 lm/m)				
			2200K	106	158.6 lm/ft (520.1 lm/m)				
			2400K	111	166.1 lm/ft (544.7 lm/m)				
			2700K	120	179.5 lm/ft (588.8 lm/m)				
			3000K	122	182.5 lm/ft (598.6 lm/m)				
			3500K	127	190 lm/ft (623.2 lm/m)				
			4000K	133	199 lm/ft (652.6 lm/m)				
			6000K	128	191.5 lm/ft (628.1 lm/m)				
3.0 Static White Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	2400K	110	224.4 lm/ft (736 lm/m)	32.8 ft (10 m)	✓	✓	
			2700K	123	250.9 lm/ft (823 lm/m)				
			3000K	130	265.2 lm/ft (870 lm/m)				
			3500K	133	271.3 lm/ft (890 lm/m)				
			4000K	133	271.3 lm/ft (890 lm/m)				
			6000K	127	259.1 lm/ft (849.8 lm/m)				
4.4 Static White Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	2400K	109	326.1 lm/ft (1069.7 lm/m)	29 ft (8.8 m)	✓	✓	
			2700K	122	365 lm/ft (1197.3 lm/m)				
			3000K	129	386 lm/ft (1266 lm/m)				
			3500K	132	394.9 lm/ft (1295.4 lm/m)				
			4000K	132	394.9 lm/ft (1295.4 lm/m)				
			6000K	126	377 lm/ft (1236.5 lm/m)				
5.0 Static White Series 2	1.4 in. (35.7 mm)	68 LEDs/ft (224 LEDs/m)	2400K	110	374 lm/ft (1226.7 lm/m)	30 ft (9.14 m)	✓	✓	
			2700K	123	418.2 lm/ft (1371.7 lm/m)				
			3000K	130	442 lm/ft (1449.8 lm/m)				
			3500K	133	452.2 lm/ft (1483.2 lm/m)				
			4000K	133	452.2 lm/ft (1483.2 lm/m)				
			6000K	127	431.8 lm/ft (1416.3 lm/m)				

RIBBONLYTE SPECIFICATIONS & COMPATIBILITY

Available Wattages	Cuttable Length	LED Pitch	Color Temp.	lm/W without Lens	Delivered Lumens with Grazer Lens	Max Length	Compatible with Channel		
							IP20	IP65	IP68
6.0 Static White Series 2	1.4 in. (35.7 mm)	68 LEDs/ft (224 LEDs/m)	2400K	109	444.7 lm/ft (1458.7 lm/m)	28 ft (8.5 m)	✓	✓	
			2700K	122	497.8 lm/ft (1632.7 lm/m)				
			3000K	129	526.3 lm/ft (1726.3 lm/m)				
			3500K	132	538.6 lm/ft (1766.5 lm/m)				
			4000K	132	538.6 lm/ft (1766.5 lm/m)				
			6000K	126	514.1 lm/ft (1686.2 lm/m)				
0.75 Static Color Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	Red	41	26 lm/ft (86 lm/m)	IP20: 49 ft (15 m) IP65: 32.8 ft (10 m)	✓	✓	
			Green	175	112 lm/ft (366 lm/m)				
			Blue	19	12 lm/ft (40 lm/m)				
			Amber	34	22 lm/ft (71 lm/m)				
1.5 Static Color Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	Red	42	54 lm/ft (176 lm/m)	IP20: 49 ft (15 m) IP65: 32.8 ft (10 m)	✓	✓	
			Green	160	204 lm/ft (669 lm/m)				
			Blue	18	23 lm/ft (75 lm/m)				
			Amber	34	43 lm/ft (142 lm/m)				
2.2 Static Color Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	Red	42	79 lm/ft (258 lm/m)	IP20: 42 ft (12.8 m) IP65: 32.8 ft (10 m)	✓	✓	
			Green	145	271 lm/ft (889 lm/m)				
			Blue	18	34 lm/ft (110 lm/m)				
			Amber	33	62 lm/ft (202 lm/m)				
3.0 Static Color Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	Red	40	81.6 lm/ft (267.6 lm/m)	IP20: 36 ft (11 m) IP65: 32.8 ft (10 m)	✓	✓	
			Green	127	259.1 lm/ft (849.8 lm/m)				
			Blue	25	51 lm/ft (167.3 lm/m)				
			Amber	29	59.2 lm/ft (194 lm/m)				
4.4 Static Color Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	Red	38	113.7 lm/ft (372.9 lm/m)	28 ft 4 in. (8.64 m)	✓	✓	
			Green	117	350.1 lm/ft (1148.2 lm/m)				
			Blue	24	71.8 lm/ft (235.5 lm/m)				
			Amber	25	74.8 lm/ft (245.3 lm/m)				
5.0 Static Color Series 2	1.4 in. (35.7 mm)	68 LEDs/ft (224 LEDs/m)	Red	37	125.8 lm/ft (412.6 lm/m)	IP20: 33 ft 4 in. (10.1 m) IP65: 32.8 ft (10 m)	✓	✓	
			Green	116	394.4 lm/ft (1293.6 lm/m)				
			Blue	24	81.6 lm/ft (267.6 lm/m)				
			Amber	26	88.4 lm/ft (290 lm/m)				
6.0 Static Color Series 2	1.4 in. (35.7 mm)	68 LEDs/ft (224 LEDs/m)	Red	37	151 lm/ft (495.1 lm/m)	28 ft (8.5 m)	✓	✓	
			Green	113	461 lm/ft (1512.2 lm/m)				
			Blue	23	93.8 lm/ft (307.8 lm/m)				
			Amber	24	97.9 lm/ft (321.2 lm/m)				
1.0 Variable White Series 2	1.97 in. (50 mm)	42 LEDs/ft (140 LEDs/m)	2000K + 6500K	85	57.8 lm/ft (189.6 lm/m)	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	163.2 lm/ft (535.3 lm/m)	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	306 lm/ft (1003.7 lm/m)	32.8 ft (10 m)	✓	✓	
5.2 Warm Dim	3.94 in. (100 mm)	36 LEDs/ft (120 LEDs/m)	WARM DIM	55	194.5 lm/ft (637.9 lm/m)	16 ft 4 in. (5 m)	✓	✓	

AVAILABLE DRIVERS

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 V
Voltage Range: 120-277 VAC
IP Rating: Dry or Damp
UL Listed



240W, 320W Non-Dimming Electronic Drivers

Part No.:

- DRVW24240 (240 Watt)
- DRVW24320 (320 Watt)

Output Voltage: 24 V
Voltage Range: 90-305 VAC
IP Rating: Dry or Damp
UL Recognized

ELV & MLV DRIVERS WITH COMPATIBLE DIMMERS



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 V
Voltage Range: 100-277 VAC
IP Rating: IP67
Dimmable
UL, CE, and CSA Listed



LUTRON Skylark Contour Dimmer

Part No.: TRIDIMSKY
Width: 2.94 in (75 mm)
Length: 4.69 in (120 mm)
Depth: 0.30 in (7.6 mm)

- Single pole and 3-way versions
- Compatible with Acolyte MLV drivers
- Slide adjusts brightness and On/Off control
- 30 mA max control current
- Available in white finish



LUTRON NOVA-T Dimmer

Part No.: TRIDIMNOVA
Width: 2.75 in (70 mm)
Length: 4.56 in (116 mm)
Depth: 0.30 in (7.6 mm)

- Slide adjusts brightness and On/Off control
- 30 mA max control current
- Available in white finish



LUTRON DIVA Dimmer

Part No.: TRIDIMDIVA
(With Locator Light) TRIDIMDIVAL
Width: 2.94 in (75 mm)
Length: 4.69 in (120 mm)
Depth: 0.30 in (7.6 mm)

- Large paddle switch with a captive linear-slide dimmer
- 30 mA max control current
- Available in white finish
- Available with locator light which glows green when the switch is off

Note: For more options, please reference the Optional Dimmer List on Acolyte product website page.

AVAILABLE DRIVERS / CONTROLLERS AND DIMMING OPTIONS / WIRE GAUGE CHART

0-10V DRIVERS AND DIMMERS



0-10V Dimmable Waterproof Drivers

96W Part No.: DRVW249610P
288W Part No.: DRVW2428810P
Output Voltage: 24 V (+/- 0.5V)
Voltage Range: 100-277 VAC
Environmental Rating: UL Wet Location
UL Listed



LUTRON DIVA Dimmer

Part No.: LVDIMDIVA
Width: 2.94 in (75 mm)
Length: 4.69 in (120 mm)
Depth: 0.30 in (7.6 mm)

- Compatible with 0-10 V Dimming Module
- Large paddle switch with a captive linear-slide dimmer
- 30 mA max control current
- Available in white finish



LUTRON NOVA-T Dimmer

Part No.: LVDIMNOVA
Width: 2.75 in (70 mm)
Length: 4.56 in (116 mm)
Depth: 0.30 in (7.6 mm)

- Compatible with 0-10 V Dimming Module
- Slide adjusts brightness and On/Off control
- 30 mA max control current
- Available in white finish



0-10V Dimmable 90W VW/WD Driver

- Part No.: DRVRFWDVW2490120
- 0-10V Constant Voltage driver
 - Compatible with 0-10V dimming systems
 - Use for Variable White, Warm Dim or Static White
 - No minimum load requirement
 - Driver can be loaded to maximum wattage
 - Meets CEC Title 24 Section JA8 flicker requirements
 - Superior flicker-free dimming to 0.1%
 - UL Listed Class 2 driver
 - Integrated junction box
 - Wiring compartments with knockouts for safety

DMX CONTROLLER AND PART NUMBER - FOR COLOR CHANGING VERSIONS



GLASS TOUCH WALL CONTROLLERS

Part Number: AWCWVWBK
AWCWVWBK



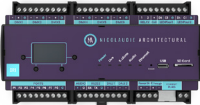
1 ZONE WALL CONTROLLER
Part Number: DMXCTRLG



5 ZONE WALL CONTROLLER
Part Number: DMXCTRL



10 ZONE WALL CONTROLLER
Part Number: DMXCTRLD



2 UNIVERSE DMX CONTROLLER
Part Number: DMXCTRLDR2U

6 UNIVERSE DMX CONTROLLER
Part Number: DMXCTRLDR6U



4 CHANNEL WATERPROOF DMX INTERFACE
Part Number: DMXINFWLCD4



5 CHANNEL DMX INTERFACE
Part Number: DMXINFLCD5



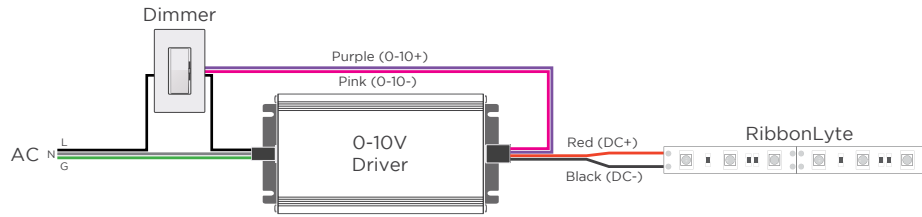
DMX OPTO SPLITTER
Part Number: DMXOS8

DRIVER AND RIBBONLYTE AT FULL LOAD

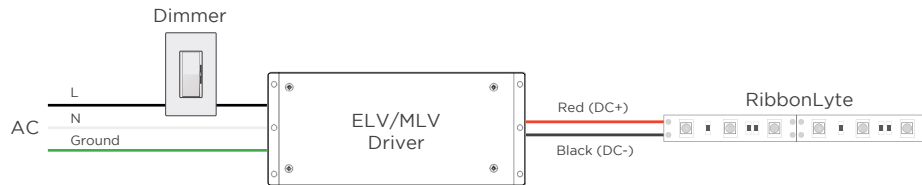
Wattages	30		60		96		150		200		240		300		320	
Wire Gauge	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters
24 AWG	14	4.27	9	2.74	5.5	1.68	3.75	1.14	2.75	0.84	2.25	0.69	1.75	0.53	1.75	0.53
22 AWG	22	6.71	14	4.27	9	2.74	5.75	1.75	4.5	1.37	3.5	1.07	2.75	0.84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

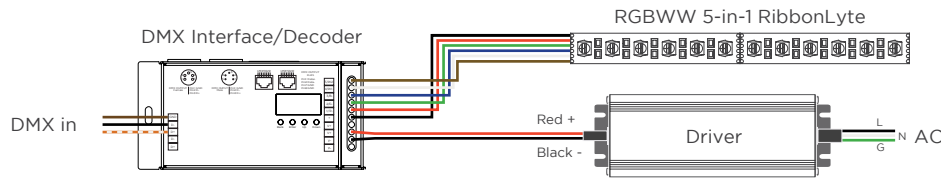
0-10V



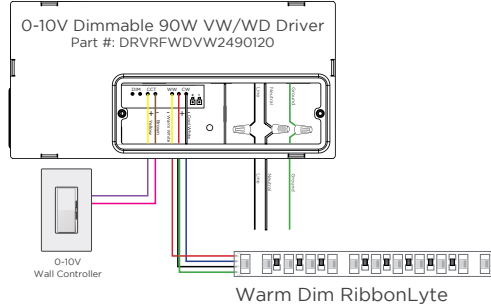
MLV / ELV



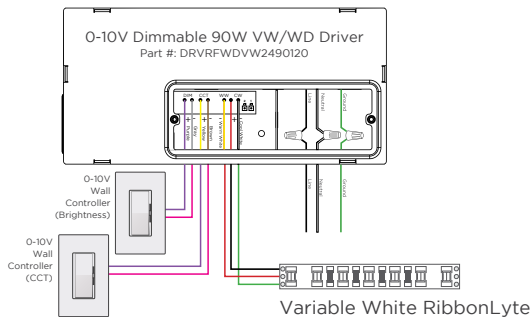
DMX



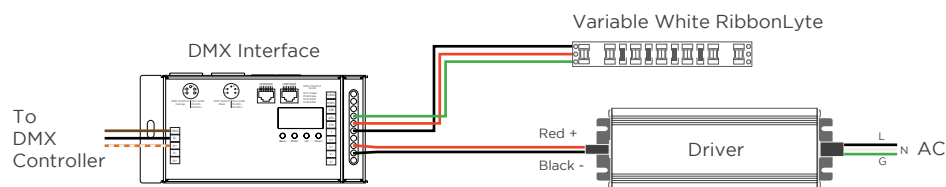
WARM DIM



2-CHANNEL VARIABLE WHITE DIMMING



DMX WIRING DIAGRAM - COMPATIBLE WITH ALL MODELS OF VARIABLE WHITE RIBBONLYTE



WIRE COLORS PER RIBBONLYTE COLOR

STATIC WHITE + STATIC COLOR

Red Wire (+) Positive
Black Wire (-) Negative

RGBW + RGBA

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

RGBWW

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

WARM DIM

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

VARIABLE WHITE

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