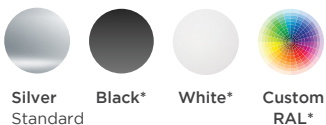


AR8 CHANNEL FIXTURE

The AR8 Channel Fixture is a flat recessed fixture that features a slim profile with a parabolic reflecting element to provide smooth, diffused decorative illumination. AR8 can be mounted in walls, pedestals and furniture. Design an elegant custom fixture with AR8 Channel Fixture and our Micro RibbonLyte products.

- Available for field assembly or factory assembly
- 0.53 in. (13.5 mm) wide by 2.09 in. (53 mm) deep
- 110-degree beam angle
- Wattage Range from 0.75 W/ft (2.46 W/m) to 6.0 W/ft (19.7 W/m)
- Static White delivered lumen range from 44 lm/ft (145 lm/m) up to 540 lm/ft (1772 lm/m)
- Clear, frosted or milky slide lens

HOUSING FINISHES

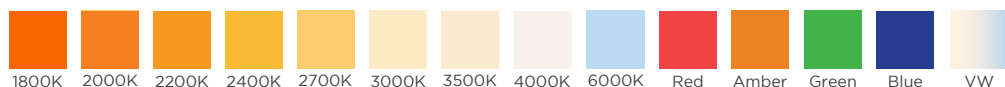


*Additional fee applies

LENS FINISHES



AVAILABLE COLORS & COLOR TEMPERATURES



DIMENSIONS

AR8 Channel	Mounting Clip	Spring Clip
0.42 in. (10.6 mm) 0.31 in. (7.9 mm) 110° 1.42 in. (36 mm) 2.09 in. (53 mm) 0.53 in. (13.5 mm) Width: 0.53 in. (13.5 mm) Height: 2.09 in. (53 mm) Internal Width: 0.42 in. (10.6 mm) Internal Height: 1.42 in. (36 mm)	Side View 0.57 in. (14.5 mm) 0.14 in. (3.5 mm) Top View 0.57 in. (14.5 mm) 0.95 in. (24 mm) Assembled View 0.59 in. (15 mm) 2.09 in. (53 mm) Width: 0.57 in. (14.5 mm) Length: 0.95 in. (24 mm)	Front View 0.6 in. (15.4 mm) 2.48 in. (63 mm) 3.66 in. (93 mm) 1.6 in. (40.5 mm) Side View 1.47 in. (37 mm) 0.43 in. (11 mm) 2.33 in. (59.2 mm) 0.16 in. (4 mm) 1.97 in. (50 mm) Width: 1.97 in. (50 mm) Height: 1.47 in. (37 mm)

NOTE: 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	110°
Lens Type	Clear Slide Lens, Frosted Slide Lens, Milky Slide 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 / 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 (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	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

180° Coupler (Part #: CHCOUP180XSV)	End Caps
---	------------------------

STEP 1 Complete Channel Part Number

CHANNEL	LENS	HOUSING COLOR	MOUNTING TYPE
CHAR8			
CHAR8 - AR8 Channel	C - Clear Slide Lens F - Frosted Slide Lens M - Milky Slide Lens	SV - Silver BK - Black WH - White Consult factory for custom colors	C - Mounting Clips S - Spring Clips

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 SCS220 - Static Color Series 2 IP20 SCS265 - Static Color Series 2 IP65	VWS220 - VW Series 2 IP20 VWS265 - VW Series 2 IP65

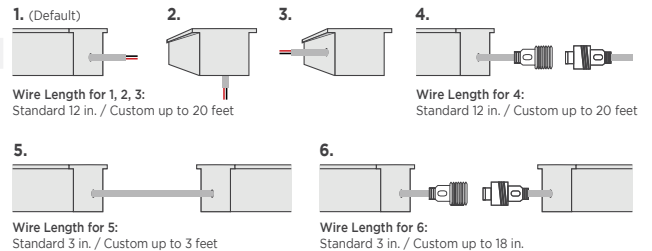
NOTE: To ensure waterproofing standards are met, IP65 RibbonLyte can NOT be cut in the field.

WATTAGE	COLOR	
0.75 - 0.75 W/ft (2.46 W/m - Static White, Static Color)	18 - 1800K	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	Z - Undecided**
6.0 - 6.0 W/ft (19.7 W/m - Variable White)	35 - 3500K	** For quotes only. Must be chosen before final order.
	40 - 4000K	
	60 - 6000K	

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

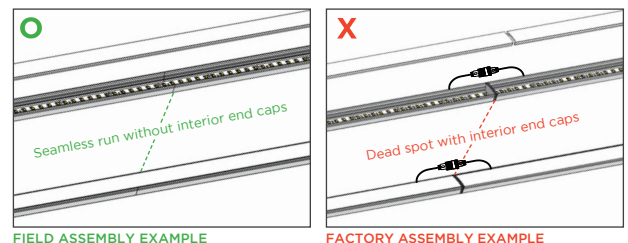
ASSEMBLY OPTION	LENGTH (Standard factory assembled length up to 6 ft 6.7 in. / 2 m)
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- FI - Field Assembly
- FA - Factory Assembly* (not recommended for exterior applications)

* 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.



STEP 4 Add Accessories

ACCESSORIES

CHCOUP180XSV - 180° Coupler



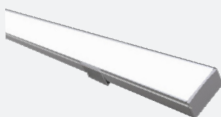
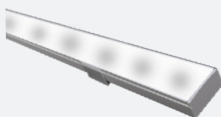
RIBBONLYTE SPECIFICATIONS & COMPATIBILITY

Available Wattages	Cutttable Length	LED Pitch	Color Temp.	lm/W without Lens	Delivered Lumens with Clear Slide Lens (lm/ft / lm/m)	Delivered Lumens with Frosted Slide Lens (lm/ft / lm/m)	Delivered Lumens with Milky Slide Lens (lm/ft / lm/m)	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	59 / 186	57 / 186	44 / 145	IP20: 49 ft (15 m) IP65: 32.8 ft (10 m)	✓	✓	
			2000K	99	69 / 219	67 / 219	52 / 171				
			2200K	109	76 / 241	74 / 241	57 / 188				
			2400K	113	79 / 250	76 / 250	59 / 195				
			2700K	123	86 / 272	83 / 272	65 / 212				
			3000K	123	86 / 272	83 / 272	65 / 212				
			3500K	130	91 / 288	88 / 288	68 / 224				
			4000K	134	93 / 297	90 / 297	70 / 231				
	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	6000K	131	91 / 290	88 / 290	69 / 226	IP20: 49 ft (15 m) IP65: 32.8 ft (10 m)	✓	✓	
			1800K	84	117 / 372	113 / 372	88 / 289				
			2000K	98	137 / 434	132 / 434	103 / 338				
			2200K	109	152 / 483	147 / 483	114 / 375				
			2400K	113	158 / 500	153 / 500	119 / 389				
			2700K	123	172 / 545	166 / 545	129 / 424				
			3000K	123	172 / 545	166 / 545	129 / 424				
			3500K	129	180 / 571	174 / 571	135 / 444				
	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	4000K	134	187 / 593	181 / 593	141 / 462	IP20: 42 ft (12.8 m) IP65: 32.8 ft (10 m)	✓	✓	
			6000K	131	183 / 580	177 / 580	138 / 451				
			1800K	83	170 / 539	164 / 539	128 / 419				
			2000K	96	196 / 624	190 / 624	148 / 485				
			2200K	106	217 / 689	210 / 689	163 / 536				
			2400K	111	227 / 721	220 / 721	171 / 561				
			2700K	120	246 / 780	238 / 780	185 / 606				
			3000K	122	250 / 793	242 / 793	188 / 616				
	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	3500K	127	260 / 825	251 / 825	196 / 642	IP20: 36 ft (11 m) IP65: 32.8 ft (10 m)	✓	✓	
			4000K	133	272 / 864	263 / 864	205 / 672				
			6000K	128	262 / 831	253 / 831	197 / 647				
			1800K	84	234 / 744	227 / 744	176 / 579				
			2000K	98	273 / 868	265 / 868	206 / 675				
			2200K	108	301 / 957	292 / 957	227 / 744				
			2400K	109.8	306 / 973	296 / 973	231 / 756				
			2700K	122.9	343 / 1089	332 / 1089	258 / 847				
	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	3000K	130	363 / 1152	351 / 1152	273 / 896	IP20: 28 ft 4 in. (8.64 m)	✓	✓	
			3500K	133	371 / 1178	359 / 1178	279 / 916				
			4000K	133	371 / 1178	359 / 1178	279 / 916				
			6000K	128	357 / 1134	346 / 1134	269 / 882				
			1800K	81	331 / 1052	321 / 1052	249 / 818				
			2000K	95	389 / 1234	376 / 1234	293 / 960				
			2200K	105	430 / 1364	416 / 1364	323 / 1061				
			2400K	109	446 / 1416	432 / 1416	336 / 1101				
	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	2700K	122	499 / 1585	483 / 1585	376 / 1233	IP20: 49 ft (15 m) IP65: 32.8 ft (10 m)	✓	✓	
			3000K	129	528 / 1676	511 / 1676	397 / 1304				
			3500K	132	540 / 1715	523 / 1715	407 / 1334				
			4000K	132	540 / 1715	523 / 1715	407 / 1334				
			6000K	126	516 / 1637	499 / 1637	388 / 1273				
			Red	41	29 / 91	28 / 91	22 / 71				
			Green	175	122 / 388	118 / 388	92 / 301				
			Blue	19	13.3 / 42	12.8 / 42	10 / 33				
0.75 Static Color Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	Amber	34	24 / 75	23 / 75	18 / 59	IP20: 49 ft (15 m) IP65: 32.8 ft (10 m)	✓	✓	

RIBBONLYTE SPECIFICATIONS & COMPATIBILITY

Available Wattages	Cuttable Length	LED Pitch	Color Temp.	lm/W without Lens	Delivered Lumens with Clear Slide Lens (lm/ft / lm/m)	Delivered Lumens with Frosted Slide Lens (lm/ft / lm/m)	Delivered Lumens with Milky Slide Lens (lm/ft / lm/m)	Max Length	Compatible with Channel		
									IP20	IP65	IP68
1.5 Static Color Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	Red	42	59 / 186	57 / 186	44 / 145	IP20: 49 ft (15 m) IP65: 32.8 ft (10 m)	✓	✓	
			Green	160	223 / 709	216 / 709	168 / 551				
			Blue	18	25 / 80	24 / 80	19 / 62				
			Amber	34	47 / 151	46 / 151	36 / 117				
2.2 Static Color Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	Red	42	86 / 273	83 / 273	65 / 212	IP20: 42 ft (12.8 m) IP65: 32.8 ft (10 m)	✓	✓	
			Green	145	297 / 942	287 / 942	223 / 733				
			Blue	18	37 / 117	36 / 117	28 / 91				
			Amber	34	70 / 221	67 / 221	52 / 172				
3.0 Static Color Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	Red	40	112 / 354	108 / 354	84 / 276	32.8 ft (10 m)	✓	✓	
			Green	127	354 / 1125	343 / 1125	267 / 875				
			Blue	25	70 / 221	68 / 221	53 / 172				
			Amber	29	81 / 257	78 / 257	61 / 200				
4.4 Static Color Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	Red	38	155 / 494	150 / 494	117 / 384	29 ft (8.8 m)	✓	✓	
			Green	117	479 / 1520	463 / 1520	360 / 1182				
			Blue	24	98 / 312	95 / 312	74 / 243				
			Amber	25	102 / 325	99 / 325	77 / 253				
1.0 Variable White Series 2	1.97 in. (50 mm)	42 LEDs/ft (140 LEDs/m)	2000K + 6500K	85	79 / 251	76.5 / 251	60 / 195	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	223 / 709	216 / 709	168 / 551	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	419 / 1329	405 / 1329	315 / 1033	32.8 ft (10 m)	✓	✓	

DIODE VISIBILITY CHART (Data below applies to installations with Milky lens only)

	No Visible Diode = N		With Visible Diode = Y
Static White & Static Color RibbonLyte		Color Changing RibbonLyte	
0.75/1.5/2.2	3.0/4.4	Variable White	
IP20 IP65	IP20 IP65	IP20 IP65	
N	N	N	

AVAILABLE DRIVERS / CONTROLLERS AND DIMMING OPTIONS / WIRE GAUGE CHART

NON-DIMMING ELECTRONIC DRIVERS



30W, 60W, 96W
Non-Dimming Electronic
Class 2 Drivers

Part No.:

- DRVW2430 (30 Watt)
- DRVW2460 (60 Watt)
- DRVW2496 (96 Watt)

Output Voltage: 24 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



60W, 96W, 150W, 300W, 600W_test
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
UL, CE, and CSA Listed

0-10V DRIVERS



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



0-10V Dimmable 90W VW/WD Driver

Part No.: DRVRFWDVW2490120

DMX CONTROLLER AND PART NUMBER - FOR COLOR CHANGING VERSIONS



GLASS TOUCH
WALL CONTROLLERS

Part Number: AWCRGBWWBK
AWCVWBK



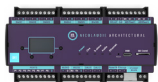
1 ZONE WALL CONTROLLER
Part Number: DMXCTRLG



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: DMXINFOLED5



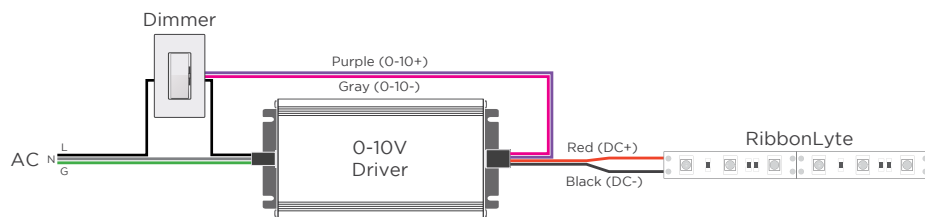
DMX OPTO SPLITTER
Part Number: DMXOS8

DRIVER AND RIBBONLYTE AT FULL LOAD

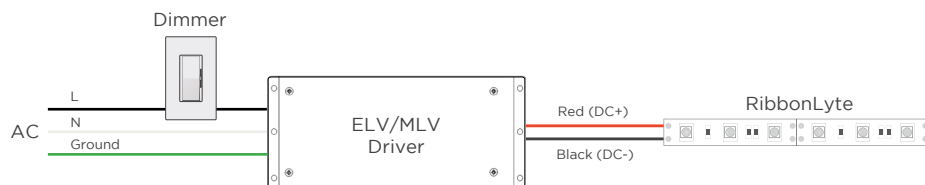
Wattages	30		60		96		150		200		240		300		320	
Wire Gauge	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters
24 AWG	14	4.27	9	2.74	5.5	1.68	3.75	1.14	2.75	0.84	2.25	0.69	1.75	0.53	1.75	0.53
22 AWG	22	6.71	14	4.27	9	2.74	5.75	1.75	4.5	1.37	3.5	1.07	2.75	0.84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

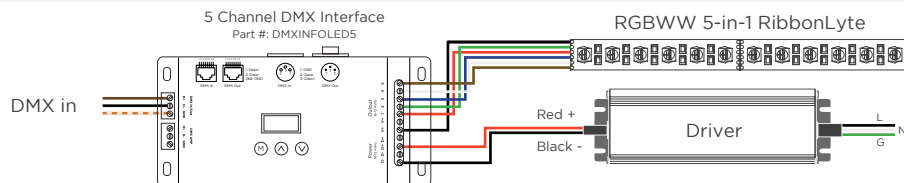
0-10V



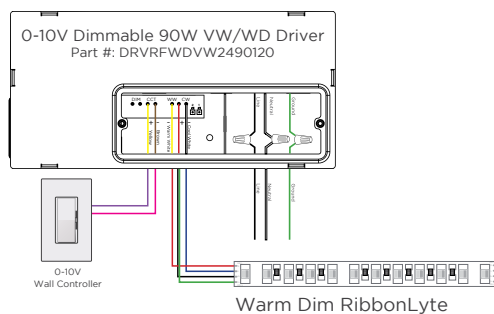
MLV / ELV



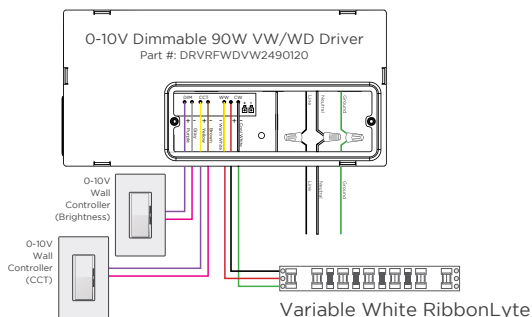
DMX



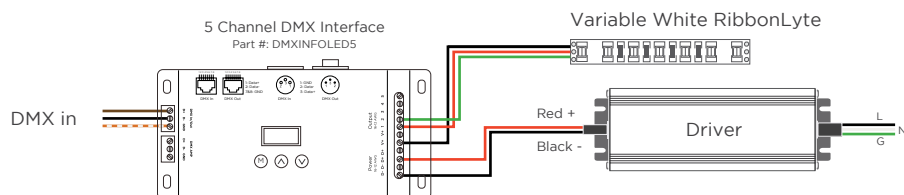
WARM DIM



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
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

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