

AR25 CHANNEL FIXTURE

Our AR25 Channel Fixture is a recessed fixture with choices of clear, milky, black, round milky or square milky lenses to create a full range of light output options. Consider our angled couplers as you design a custom fixture with continuous lines of light for nearly any application with AR25 Channel Fixture and our RibbonLyte products.

- Available for field assembly or factory assembly
- 1.75 in. (44.4 mm) wide by 0.94 in. (24 mm) deep, 1.73 in. (44 mm) deep with round lens, 1.81 in. (46 mm) deep with square lens
- Beam angles: 110° with Milky Lens, 100°x140° with Round Milky Lens, 100°x150° with Square Milky Lens
- Wattage range: 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 (144.7 lm/m) up to 736.6 lm/ft (2416.7 lm/m)
- Available in silver, white, black or custom colors
- Clear Lens, Milky Lens, Black Lens, Round Milky Lens, Square Milky Lens



RoHS



HOUSING FINISHES



Silver
Default finish



Black



White

LENS FINISHES



Clear Lens
93% Light Transmission



Milky Lens
75% Light Transmission



Black Lens*
70% Light Transmission



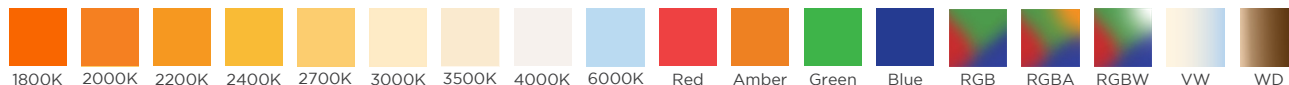
Round Milky Lens
75% Light Transmission



Square Milky Lens
75% Light Transmission

* Our black lens offers great diffusion and helps hide fixtures that aren't in use.

AVAILABLE COLORS & COLOR TEMPERATURES



DIMENSIONS

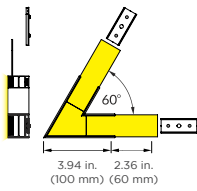
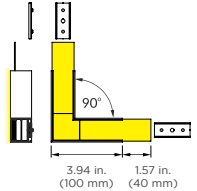
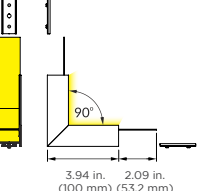
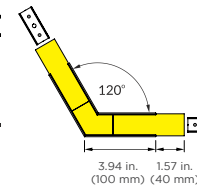
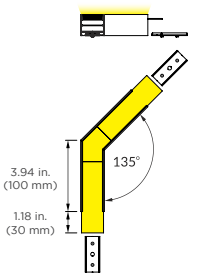
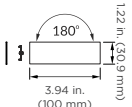
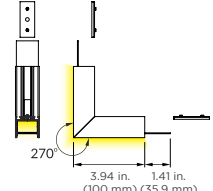
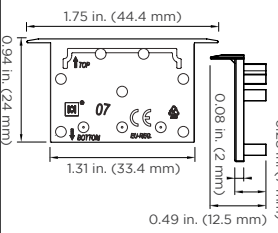
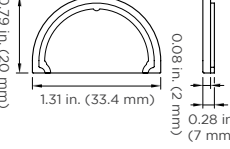
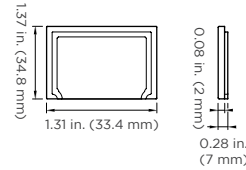
AR25 Channel	Mounting Clip	Spring Clip
WITH MILKY LENS Width: 1.75 in. (44.4 mm) Height: 0.94 in. (24 mm) Internal Width: 1.22 in. (31 mm) Internal Height: 0.83 in. (21 mm)	Side View Top View Assembled Views Width: 1.18 in. (30 mm) Length: 1.48 in. (37.6 mm)	Front View Side View Width: 0.98 in. (25 mm) Height: 1.81 in. (46 mm)
WITH ROUND MILKY LENS Width: 1.75 in. (44.4 mm) Height: 1.73 in. (44 mm) Internal Width: 1.22 in. (31 mm) Internal Height: 1.62 in. (41.1 mm)		
WITH SQUARE MILKY LENS Width: 1.75 in. (44.4 mm) Height: 1.81 in. (46 mm) Internal Width: 1.22 in. (31 mm) Internal Height: 1.7 in. (43.1 mm)		

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SPECIFICATIONS

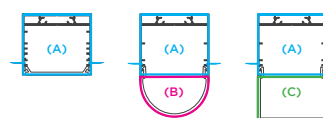
Beam Angle	110° with Milky Lens, 100°x140° with Round Milky Lens, 100°x150° with Square Milky Lens
Lens Type	Clear Lens, Milky Lens, Black Lens, Round Milky Lens, Square Milky Lens
Length	Channel is sold by the foot and cut to your exact desired length. Required amount of mounting clips included.
Operating 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, RGB, RGBA, RGBW, VW, RGB & RGBW Addressable, 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 Luminaires; 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

ACCESSORIES (SEE PART NUMBERS AT STEP 4 ON PAGE 3)

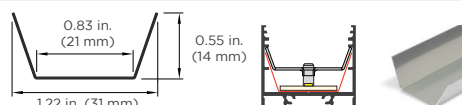
60° Coupler 	90° Coupler 	90° Bent Coupler 	120° Coupler 	135° Coupler 
180° Coupler 	270° Bent Coupler 	End Cap (A) for Channel Only 	End Caps (B) for Round Milky Lens Only 	End Caps (C) for Square Milky Lens Only 

End Cap Options when using Channel with Round Milky Lens or Square Milky Lens:

1. Use End Cap (A) for Channel and flat lens
2. Use both End Cap (A) and End Cap (B) for Channel and Round Milky Lens
3. Use both End Cap (A) and End Cap (C) for Channel and Square Milky Lens



Reflector



STEP 1 Complete Channel Part Number

CHANNEL	LENS		HOUSING COLOR		MOUNTING TYPE
CHAR25					
CHAR25 - AR25 Channel	C - Clear Lens	RM - Round Milky Lens	SV - Silver	WH - White	C - Mounting Clips
	M - Milky Lens	SM - Square Milky Lens	BK - Black	Consult factory for custom colors	S - Spring Clips
	BK - Black Lens				

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 SCS220 - Static Color Series 2 IP20 SCS265 - Static Color Series 2 IP65 SCS268 - Static Color Series 2 IP68 RGBADD - Addressable RGB IP67 RGBWADD - Addressable RGBW IP67 VWS220 - VW Series 2 IP20 VWS265 - VW Series 2 IP65 VWS268 - VW Series 2 IP68 RGB20 - RGB IP20 RGB65 - RGB IP65 RGB68 - RGB IP68 RGBWA20 - RGBW/A IP20 RGBWA65 - RGBW/A IP65 RGBWA68 - RGBW/A IP68 WD20 - Warm Dim IP20 WD65 - Warm Dim IP65 WD68 - Warm Dim IP68

WATTAGE

0.75 - 0.75 W/ft (2.46 W/m - Static White, Static Color)
1.0 - 1.0 W/ft (3.3 W/m - Variable White)
1.5 - 1.5 W/ft (4.9 W/m - Static White, Static Color)
2.2 - 2.2 W/ft (7.2 W/m - Static White, Static Color, RGB)
3.0 - 3.0 W/ft (9.8 W/m - Static White, Static Color, Variable White)
3.7 - 3.7 W/ft (12.1 W/m - Addressable RGB)
4.4 - 4.4 W/ft (14.4 W/m - Static White, Static Color, RGB, RGBW/RGBA)
5.0 - 5.0 W/ft (16.4 W/m - Static White, Static Color)
5.2 - 5.2 W/ft (17.1 W/m - Warm Dim)
5.4 - 5.4 W/ft (17.7 W/m - Addressable RGBW)
5.5 - 5.5 W/ft (18.0 W/m - RGBW/RGBA)
6.0 - 6.0 W/ft (19.7 W/m - Static White, Static Color, Variable White)
8.8 - 8.8 W/ft (28.9 W/m - RGB, RGBW/RGBA)

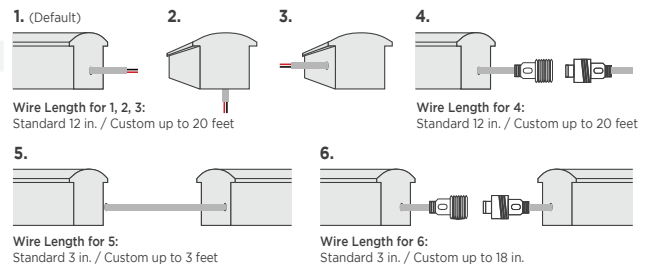
COLOR

18 - 1800K
20 - 2000K
22 - 2200K
24 - 2400K
27 - 2700K
30 - 3000K
35 - 3500K
40 - 4000K
60 - 6000K
R - Red
A - Amber
G - Green
B - Blue
VW - Variable White
RGB - Red, Green, Blue
RGB30 - Red, Green, Blue + 3000K
RGB40 - Red, Green, Blue + 4000K (5.5W only)
RGB60 - Red, Green, Blue + 6000K
RGBA - Red, Green, Blue + Amber
RGBW30 - RGB + 3000K Addressable
RGBW60 - RGB + 6000K Addressable
2920 - Warm Dim 2900K - 2000K (IP20)
2721 - Warm Dim 2700K - 2100K (IP65+IP68)
Z - Undecided**
 ** For quotes only. Must be chosen before final order.

CONNECTION OPTIONS (See diagrams on the right)

- | | |
|------------------------------------|-------------------------------------|
| 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 |

Custom Length (ft.)



STEP 3 Complete Assembly Option & Length

ASSEMBLY OPTION	LENGTH (Standard factory assembled length up to 78 in. / 2 m)
FI - Field Assembly	Consult factory for custom factory assembled length (up to 13 ft / 4 m)
FA - Factory Assembly	

STEP 4 Add Accessories

ACCESSORIES

CHCOUP60AR25SV - 60° Coupler Silver	CHCOUP90BNTAR25SV - 90° Bent Coupler Silver	CHCOUP135AR25SV - 135° Coupler Silver	CHCOUP180AR25SV - 180° Coupler Silver
CHCOUP60AR25BK - 60° Coupler Black	CHCOUP90BNTAR25BK - 90° Bent Coupler Black	CHCOUP135AR25BK - 135° Coupler Black	TILTSTANDST - Tilttable Stand
CHCOUP60AR25WH - 60° Coupler White	CHCOUP90BNTAR25WH - 90° Bent Coupler White	CHCOUP135AR25WH - 135° Coupler White	CHREFLECTASAWSV - Reflector
CHCOUP90AR25SV - 90° Coupler Silver	CHCOUP120AR25SV - 120° Coupler Silver	CHCOUP270BNTAR25SV - 270° Bent Coupler Silver	
CHCOUP90AR25BK - 90° Coupler Black	CHCOUP120AR25BK - 120° Coupler Black	CHCOUP270BNTAR25BK - 270° Bent Coupler Black	
CHCOUP90AR25WH - 90° Coupler White	CHCOUP120AR25WH - 120° Coupler White	CHCOUP270BNTAR25WH - 270° Bent Coupler White	

SPECIFICATIONS

Available Wattage	Cutttable Length	LED Pitch	Color Temp.	lm/W without Lens	Delivered Lumens (lm/ft / lm/m)					Standard Cable Length	Compatible with Channel		
					with Clear Lens	with Milky Lens	with Black Lens	with Round Lens	with Square Lens		IP20	IP65	IP68
0.75 Static White Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	1800K	84	59 / 192	47 / 155	44 / 145	47 / 155	47 / 155	12 in. (30.5 cm)	✓	✓	✓
			2000K	99	69 / 227	56 / 183	52 / 171	56 / 183	56 / 183				
			2200K	109	76 / 249	61 / 201	57 / 188	61 / 201	61 / 201				
			2400K	113	79 / 259	64 / 209	59 / 195	64 / 209	64 / 209				
			2700K	123	86 / 281	69 / 227	65 / 212	69 / 227	69 / 227				
			3000K	123	86 / 281	69 / 227	65 / 212	69 / 227	69 / 227				
			3500K	130	91 / 297	73 / 240	68 / 224	73 / 240	73 / 240				
			4000K	134	93 / 307	75 / 247	70 / 231	75 / 247	75 / 247				
			6000K	131	91 / 300	74 / 242	69 / 226	74 / 242	74 / 242				
1.5 Static White Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	1800K	84	117 / 384	95 / 310	88 / 289	95 / 310	95 / 310	12 in. (30.5 cm)	✓	✓	✓
			2000K	98	137 / 384	110 / 362	103 / 338	110 / 362	110 / 362				
			2200K	109	152 / 499	123 / 402	114 / 375	123 / 402	123 / 402				
			2400K	113	158 / 517	127 / 417	119 / 389	127 / 417	127 / 417				
			2700K	123	172 / 563	138 / 454	129 / 424	138 / 454	138 / 454				
			3000K	123	172 / 563	138 / 454	129 / 424	138 / 454	138 / 454				
			3500K	129	180 / 590	145 / 476	135 / 444	145 / 476	145 / 476				
			4000K	134	187 / 613	151 / 495	141 / 462	151 / 495	151 / 495				
			6000K	131	183 / 600	147 / 484	138 / 451	147 / 484	147 / 484				
2.2 Static White Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	1800K	83	170 / 557	137 / 449	128 / 419	137 / 449	137 / 449	12 in. (30.5 cm)	✓	✓	✓
			2000K	96	196 / 644	158 / 520	148 / 485	158 / 520	158 / 520				
			2200K	106	217 / 712	175 / 574	163 / 536	175 / 574	175 / 574				
			2400K	111	227 / 745	183 / 601	171 / 561	183 / 601	183 / 601				
			2700K	120	246 / 806	198 / 650	185 / 606	198 / 650	198 / 650				
			3000K	122	250 / 819	201 / 660	188 / 616	201 / 660	201 / 660				
			3500K	127	260 / 852	210 / 687	196 / 642	210 / 687	210 / 687				
			4000K	133	272 / 893	219 / 720	205 / 672	219 / 720	219 / 720				
			6000K	128	262 / 859	211 / 693	197 / 647	211 / 693	211 / 693				
3.0 Static White Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	1800K	84	234 / 769	189 / 620	176 / 579	189 / 620	189 / 620	12 in. (30.5 cm)	✓	✓	✓
			2000K	98	273 / 897	221 / 723	206 / 675	221 / 723	221 / 723				
			2200K	108	301 / 989	243 / 797	227 / 744	243 / 797	243 / 797				
			2400K	109.8	306 / 1005	247 / 811	231 / 756	247 / 811	247 / 811				
			2700K	122.9	343 / 1125	277 / 907	258 / 847	277 / 907	277 / 907				
			3000K	130	363 / 1190	293 / 960	273 / 896	293 / 960	293 / 960				
			3500K	133	371 / 1217	299 / 982	279 / 916	299 / 982	299 / 982				
			4000K	133	371 / 1217	299 / 982	279 / 916	299 / 982	299 / 982				
			6000K	128	357 / 1172	288 / 945	269 / 882	288 / 945	288 / 945				
4.4 Static White Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	1800K	81	331 / 1087	267 / 877	249 / 818	267 / 877	267 / 877	12 in. (30.5 cm)	✓	✓	✓
			2000K	95	389 / 1275	314 / 1029	293 / 960	314 / 1029	314 / 1029				
			2200K	105	430 / 1410	347 / 1137	323 / 1061	347 / 1137	347 / 1137				
			2400K	109	446 / 1463	360 / 1180	336 / 1101	360 / 1180	360 / 1180				
			2700K	122	499 / 1638	403 / 1321	376 / 1233	403 / 1321	403 / 1321				
			3000K	129	528 / 1732	426 / 1397	397 / 1304	426 / 1397	426 / 1397				
			3500K	132	540 / 1772	436 / 1429	407 / 1334	436 / 1429	436 / 1429				
			4000K	132	540 / 1772	436 / 1429	407 / 1334	436 / 1429	436 / 1429				
			6000K	126	516 / 1692	416 / 1364	388 / 1273	416 / 1364	416 / 1364				
5.0 Static White Series 2	1.4 in. (35.7 mm)	68 LEDs/ft (224 LEDs/m)	1800K	83	386 / 1266	311 / 1021	291 / 953	311 / 1021	311 / 1021	12 in. (30.5 cm)	✓	✓	✓
			2000K	98	456 / 1495	368 / 1206	343 / 1125	368 / 1206	368 / 1206				
			2200K	107	498 / 1632	401 / 1316	375 / 1229	401 / 1316	401 / 1316				
			2400K	110	511 / 1675	412 / 1351	384 / 1261	412 / 1351	412 / 1351				
			2700K	123	571 / 1875	461 / 1512	430 / 1411	461 / 1512	461 / 1512				
			3000K	130	605 / 1983	488 / 1599	455 / 1493	488 / 1599	488 / 1599				
			3500K	133	618 / 2029	499 / 1636	466 / 1527	499 / 1636	499 / 1636				
			4000K	133	618 / 2029	499 / 1636	466 / 1527	499 / 1636	499 / 1636				
			6000K	127	591 / 1937	476 / 1562	445 / 1458	476 / 1562	476 / 1562				

SPECIFICATIONS

Available Wattages	Cutttable Length	LED Pitch	Color Temp.	lm/W without Lens	Delivered Lumens (lm/ft / lm/m)					Std. Cable Length	Compatible with Channel		
					with Clear Lens	with Milky Lens	with Black Lens	with Round Lens	with Square Lens		IP20	IP65	IP68
6.0 Static White Series 2	1.4 in. (35.7 mm)	68 LEDs/ft (224 LEDs/m)	1800K	82	458 / 1501	369 / 1211	344 / 1130	369 / 1211	369 / 1211	12 in. (30.5 cm)	✓	✓	✓
			2000K	95	530 / 1739	428 / 1403	399 / 1309	428 / 1403	428 / 1403				
			2200K	106	591 / 1941	477 / 1565	445 / 1461	477 / 1565	477 / 1565				
			2400K	109	608 / 1995	491 / 1609	458 / 1502	491 / 1609	491 / 1609				
			2700K	122	681 / 2233	549 / 1801	512 / 1681	549 / 1801	549 / 1801				
			3000K	129	720 / 2362	581 / 1905	542 / 1778	581 / 1905	581 / 1905				
			3500K	132	737 / 2417	594 / 1949	554 / 1819	594 / 1949	594 / 1949				
			4000K	132	737 / 2417	594 / 1949	554 / 1819	594 / 1949	594 / 1949				
			6000K	126	703 / 2307	567 / 1860	529 / 1736	567 / 1860	567 / 1860				
0.75 Static Color Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	Red	41	29 / 94	23 / 76	22 / 71	23 / 76	23 / 76	12 in. (30.5 cm)	✓	✓	✓
			Green	175	122 / 400	98 / 323	92 / 301	98 / 323	98 / 323				
			Blue	19	13 / 43	11 / 35	10 / 33	11 / 35	11 / 35				
			Amber	34	24 / 78	19 / 63	18 / 59	19 / 63	19 / 63				
1.5 Static Color Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	Red	42	59 / 192	47 / 155	44 / 145	47 / 155	47 / 155	12 in. (30.5 cm)	✓	✓	✓
			Green	160	223 / 732	180 / 591	168 / 551	180 / 591	180 / 591				
			Blue	18	25 / 82	20 / 66	19 / 62	20 / 66	20 / 66				
			Amber	34	47 / 156	38 / 125	36 / 117	38 / 125	38 / 125				
2.2 Static Color Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	Red	42	86 / 282	69 / 227	65 / 212	69 / 227	69 / 227	12 in. (30.5 cm)	✓	✓	✓
			Green	145	297 / 973	239 / 785	223 / 733	239 / 785	239 / 785				
			Blue	18	37 / 121	30 / 97	28 / 91	30 / 97	30 / 97				
			Amber	34	70 / 228	56 / 184	52 / 172	56 / 184	56 / 184				
3.0 Static Color Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	Red	40	112 / 366	90 / 295	84 / 267	90 / 295	90 / 295	12 in. (30.5 cm)	✓	✓	✓
			Green	127	354 / 1162	286 / 937	267 / 875	286 / 937	286 / 937				
			Blue	25	70 / 229	56 / 185	53 / 172	56 / 185	56 / 185				
			Amber	29	81 / 265	65 / 214	61 / 200	65 / 214	65 / 214				
4.4 Static Color Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	Red	38	155 / 510	125 / 411	117 / 384	125 / 411	125 / 411	12 in. (30.5 cm)	✓	✓	✓
			Green	117	479 / 1571	386 / 1267	360 / 1182	386 / 1267	386 / 1267				
			Blue	24	98 / 322	79 / 260	74 / 243	79 / 260	79 / 260				
			Amber	25	102 / 336	83 / 271	77 / 253	83 / 271	83 / 271				
5.0 Static Color Series 2	1.4 in. (35.7 mm)	68 LEDs/ft (224 LEDs/m)	Red	37	172 / 564	139 / 455	130 / 425	139 / 455	139 / 455	12 in. (30.5 cm)	✓	✓	✓
			Green	116	539 / 1770	435 / 1427	406 / 1332	435 / 1427	435 / 1427				
			Blue	24	112 / 366	90 / 295	84 / 276	90 / 295	90 / 295				
			Amber	26	121 / 397	98 / 320	91 / 299	98 / 320	98 / 320				
6.0 Static Color Series 2	1.4 in. (35.7 mm)	68 LEDs/ft (224 LEDs/m)	Red	37	206 / 677	167 / 546	155 / 510	167 / 546	167 / 546	12 in. (30.5 cm)	✓	✓	✓
			Green	113	631 / 2069	509 / 1668	475 / 1557	509 / 1668	509 / 1668				
			Blue	23	128 / 421	104 / 340	97 / 317	104 / 340	104 / 340				
			Amber	24	134 / 439	108 / 354	101 / 331	108 / 354	108 / 354				
1.0 Variable White Series 2	1.97 in. (50 mm)	42 LEDs/ft (140 LEDs/m)	2000K + 6500K	85	79 / 259	64 / 209	60 / 195	64 / 209	64 / 209	12 in. (30.5 cm)	✓	✓	✓
3.0 Variable White Series 2	1.97 in. (50 mm)	42 LEDs/ft (140 LEDs/m)	2000K + 6500K	80	223 / 732	180 / 591	168 / 551	180 / 591	180 / 591	12 in. (30.5 cm)	✓	✓	✓
6.0 Variable White Series 2	1.97 in. (50 mm)	42 LEDs/ft (140 LEDs/m)	2000K + 6500K	75	419 / 1373	338 / 1107	315 / 1033	338 / 1107	338 / 1107	12 in. (30.5 cm)	✓	✓	✓

SPECIFICATIONS

Available Wattages	Cuttable Length	LED Pitch	Color Temp.	lm/W without Lens	Delivered Lumens (lm/ft / lm/m)					Standard Cable Length	Compatible with Channel		
					with Clear Lens	with Milky Lens	with Black Lens	with Round Lens	with Square Lens		IP20	IP65	IP68
2.2 RGB	6.55 in. (166.4 mm)	9 LEDs/ft (30 LEDs/m)	RGB	37	76 / 248	61 / 200	57 / 187	61 / 200	61 / 200	12 in. (30.5 cm)	✓	✓	✓
4.4 RGB	3.94 in. (100 mm)	18 LEDs/ft (60 LEDs/m)	RGB	37	76 / 249	61 / 200	57 / 187	61 / 200	61 / 200	12 in. (30.5 cm)	✓	✓	✓
8.8 RGB	1.97 in. (50 mm)	18 LEDs/ft (60 LEDs/m)	RGB	37	303 / 993	244 / 801	228 / 748	244 / 801	244 / 801	12 in. (30.5 cm)	✓	✓	✓
4.4 RGBW	6.55 in. (166.4 mm)	18 LEDs/ft (60 LEDs/m)	RGBW	65	266 / 873	215 / 704	57 / 187	215 / 704	215 / 704	12 in. (30.5 cm)	✓	✓	✓
4.4 RGBA	6.55 in. (166.4 mm)	18 LEDs/ft (60 LEDs/m)	RGBA	33	135 / 443	109 / 357	200 / 657	109 / 357	109 / 357	12 in. (30.5 cm)	✓	✓	✓
5.5 4-in-1 RGBW	3.94 in. (100 mm)	18 LEDs/ft (60 LEDs/m)	RGBW	51	261 / 856	210 / 690	196 / 644	210 / 690	210 / 690	12 in. (30.5 cm)	✓	✓	✓
5.5 4-in-1 RGBA	3.94 in. (100 mm)	18 LEDs/ft (60 LEDs/m)	RGBA	27	138 / 453	111 / 365	104 / 341	111 / 365	111 / 365	12 in. (30.5 cm)	✓	✓	✓
8.8 RGBW	3.94 in. (100 mm)	36 LEDs/ft (120 LEDs/m)	RGBW	61	499.2 / 1638	402.6 / 1321	375.8 / 1233	402.6 / 1321	402.6 / 1321	12 in. (30.5 cm)	✓	✓	✓
8.8 RGBA	3.94 in. (100 mm)	36 LEDs/ft (120 LEDs/m)	RGBA	22	180.1 / 591	145.2 / 476	135.5 / 445	145.2 / 476	145.2 / 476	12 in. (30.5 cm)	✓	✓	✓
RGB Addressable	3.94 in. (100 mm)	18 LEDs/ft (60 LEDs/m)	Red	18.5	17 / 56	14 / 45.9	13 / 42	14 / 45.9	14 / 45.9	12 in. (30.5 cm)	N/A	N/A	✓ IP67
			Green	45.6	42 / 139	34 / 111.5	32 / 105	34 / 111.5	34 / 111.5				
			Blue	11.1	10 / 34	8 / 25	8 / 25	8 / 25	8 / 25				
			All	89	83 / 272	67 / 219.8	62 / 204	67 / 219.8	67 / 219.8				
RGBW Addressable	3.94 in. (100 mm)	18 LEDs/ft (60 LEDs/m)	Red	20.3	19 / 62	15 / 49.2	14 / 47	15 / 49.2	15 / 49.2	12 in. (30.5 cm)	N/A	N/A	✓ IP67
			Green	51.3	48 / 157	38 / 124.6	36 / 18	38 / 124.6	38 / 124.6				
			Blue	10.8	10 / 33	8 / 25	8 / 25	8 / 25	8 / 25				
			White	51.3	48 / 157	38 / 124.6	36 / 118	38 / 124.6	38 / 124.6				
			All	167.4	156 / 511	126 / 413.3	117 / 384	126 / 413.3	126 / 413.3				
5.2 Warm Dim	3.94 in. (100 mm)	36 LEDs/ft (120 LEDs/m)	WARM DIM	55	266 / 873	215 / 704	200 / 657	215 / 704	215 / 704	12 in. (30.5 cm)	✓	✓	✓

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	5.0/6.0	2.2 RGB	4.4 RGB	8.8 RGB	4.4 RGBW/A	5.5 4-in-1 RGBW/A	8.8 RGBW/A	Warm Dim	Variable White	RGB/RGBW Addressable
IP20 IP65 IP68	IP20 IP65 IP68	IP20 IP65 IP68	IP20 IP65 IP68	IP20 IP65 IP68	IP20 IP65 IP68	IP20 IP65 IP68	IP20 IP65 IP68	IP20 IP65 IP68	IP20 IP65 IP68	IP20 IP65 IP68	IP67
N	N	N	N	N	N	N	N	N	N	N	N

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



40W Lutron Hi-Lume 1% Dimming Class 2 Drivers

Part No.:

- DRVLUT24403W (40 Watt, 3-wire)
- DRVLUT24402W (40 Watt, 2-wire)

Output Voltage: 24 V
Voltage Range: 120-277 VAC (3-wire model)
or 120V (2-wire model)
IP Rating: Dry or Damp
Dimmable using 2-wire forward phase,
3-wire+G or digital EcoSystem
UL Listed



96W Lutron Hi-Lume Premier 0.1% Dimming Class 2 Driver

Part No.:

- DRVLUT24963W (96 Watt, 3-wire)

Output Voltage: 24 V
Voltage Range: 120-277 VAC
IP Rating: Dry or Damp
Dimmable using 3-wire+G or digital EcoSystem
0.1% dimming SoftOn/FadeToBlack
with EcoSystem
UL Listed

MAGNETIC, ELV & MLV DRIVERS WITH COMPATIBLE DIMMERS



120 VAC

60W, 96W, 200W, 300W Class 1 & 2 Magnetic Drivers

Part No.:

- DRVWDIM2460 (60 Watt)
- DRVWDIM24100 (96 Watt)
- DRVWDIM24200 (200 Watt)
- DRVWDIM24300 (300 Watt)

Magnetic Driver
Output Voltage: 24 V
Voltage Range: 120 VAC
IP Rating: Dry or Damp
Forward Phase Dimming
ETL Listed



277 VAC

60W, 96W, 200W, 300W Class 1 & 2 Magnetic Drivers

Part No.:

- DRVWDIM2460277 (60 Watt)
- DRVWDIM24100277 (96 Watt)
- DRVWDIM24200277 (200 Watt)
- DRVWDIM24300277 (300 Watt)

Magnetic Driver
Output Voltage: 24 V
Voltage Range: 277 VAC
IP Rating: Dry or Damp
Forward Phase Dimming
ETL Listed



60W, 96W, 150W, 200W ELV & MLV Drivers

Part No.:

- DRVW2460ELV (60 Watt)
- DRVW2496ELV (96 Watt)
- DRVW24150ELV (150 Watt)
- DRVW24200ELV (200 Watt)

Line Voltage Dimmable Drivers
Output Voltage: 24 V
Voltage Range: 100-130 VAC
IP Rating: Dry or Damp
Dimmable
ETL, UL 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

DIMMING MODULE



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



Variable White Dimming Module

- Part No.: VWDIMMOD
- 1 dimming module required per 30 ft (9.1 m)
 - This product is only compatible with Variable White RibbonLyte, not Variable White Amber or Variable White Red. Works with any 0-10V dimmers to provide CCT change with one dimmer and brightness change with the other.

Note: Max length before additional power is introduced

DMX CONTROLLER AND PART NUMBER - FOR COLOR CHANGING VERSIONS



GLASS TOUCH
WALL CONTROLLER

Part Number: AWCRGBWW
AWCVWW



1 ZONE WALL CONTROLLER

Part Number: DMXCTRLG



5 ZONE WALL CONTROLLER

Part Number: DMXCTRL



10 ZONE WALL CONTROLLER

Part Number: DMXCTRLD



4 CHANNEL WATERPROOF
DMX INTERFACE

Part Number: DMXINFWLCD4



5 CHANNEL
DMX INTERFACE

Part Number: DMXINFLCD5



DMX OPTO SPLITTER

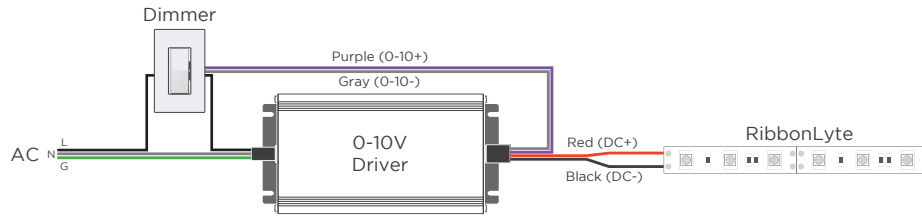
Part Number: DMXOS8

DRIVER AND RIBBONLYTE AT FULL LOAD

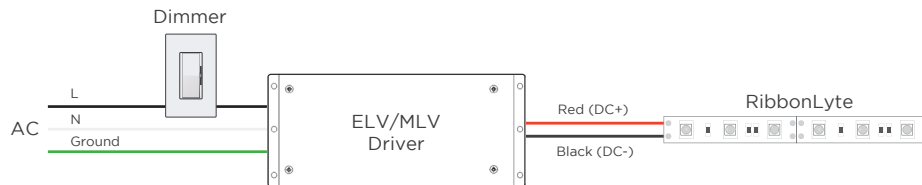
Wattages	30		60		96		150		200		240		300		320	
Wire Gauge	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters
24 AWG	14	4.27	9	2.74	5.5	1.68	3.75	1.14	2.75	0.84	2.25	0.69	1.75	0.53	1.75	0.53
22 AWG	22	6.71	14	4.27	9	2.74	5.75	1.75	4.5	1.37	3.5	1.07	2.75	0.84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

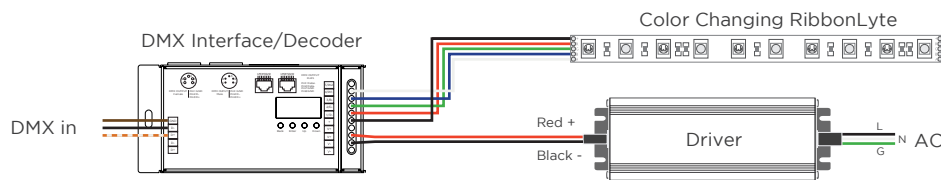
0-10V



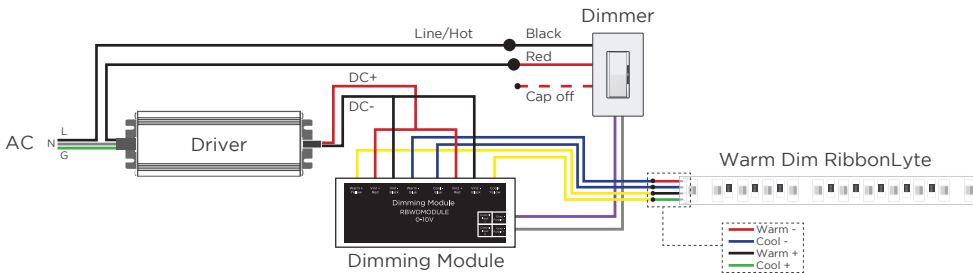
MLV / ELV



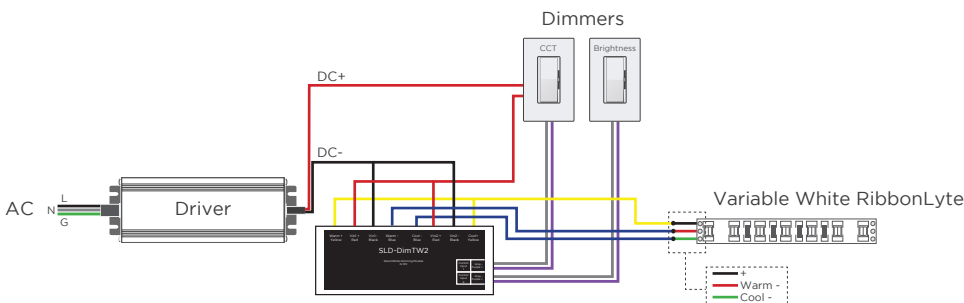
DMX



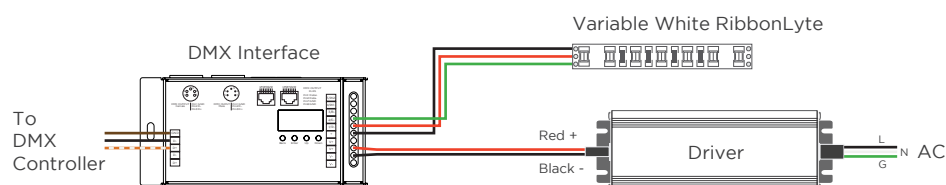
WARM DIM



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

RGB

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

RGBW/A

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

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