

AR16 CHANNEL FIXTURE

Our AR16 Channel Fixture is a recessed fixture with a 110-degree beam angle. We offer choices of clear, milky and black lenses to create a full range of light output options. Design a custom fixture for walls, ceilings, cabinets and shelving with AR16 Channel Fixture and our RibbonLyte products.

- Available for field assembly or factory assembly
- 1.1 in. (28 mm) wide by 0.73 in. (18.6 mm) deep
- 110-degree beam angle
- Wattage Range from 0.75 W/ft (2.46 W/m) to 8.8 W/ft (28.86 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)
- Clear Lens, Milky Lens or Black Lens

HOUSING FINISHES



Silver Standard White* Custom RAL*

*Additional fee applies

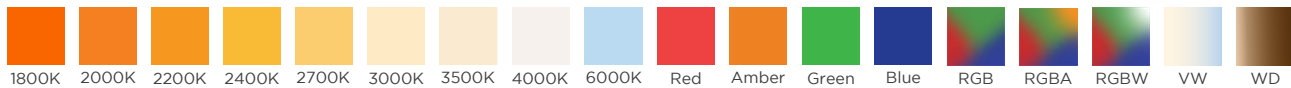
LENS FINISHES



Clear Lens Milky Lens Black Lens**
93% Light Transmission 75% Light Transmission 70% Light Transmission

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

AVAILABLE COLORS & COLOR TEMPERATURES



DIMENSIONS

| AR16 Channel | Mounting Clip | Spring Clip |
|---|---|---|
| <p>Width: 1.1 in. (28 mm) Height: 0.73 in. (18.6 mm) Internal Width: 0.65 in. (16.4 mm) Internal Height: 0.64 in. (16.2 mm)</p> | <p>Side View: 0.79 in. (20 mm) width, 0.43 in. (11 mm) height Top View: 0.79 in. (20 mm) width, 0.98 in. (25 mm) length</p> <p>Assembled View: 0.83 in. (21 mm) height, 0.75 in. (19 mm) height</p> <p>Width: 0.79 in. (20 mm) Length: 0.98 in. (25 mm)</p> | <p>Front View: 0.79 in. (20 mm) width, 1.5 in. (38 mm) length Side View: 0.98 in. (25 mm) width, 1.77 in. (45 mm) length, 2.66 in. (67.5 mm) total height</p> <p>Width: 0.98 in. (25 mm) Height: 1.77 in. (45 mm)</p> |

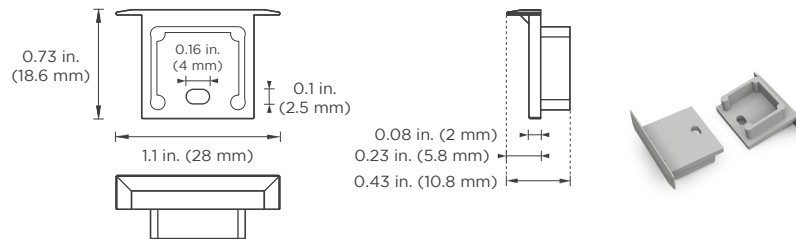
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SPECIFICATIONS

| | |
|--------------------------------|--|
| Beam Angle | 110° |
| Lens Type | Clear Lens, Milky Lens, Black 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, 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

End Caps



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ORDERING GUIDE

STEP 1 Complete Channel Part Number

| CHANNEL | LENS | HOUSING COLOR | MOUNTING TYPE |
|-----------------------|---|--|--|
| CHAR16 | | | |
| CHAR16 - AR16 Channel | C - Clear Lens M - Milky Lens BK - Black Lens | SV - Silver 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 SWS268 - Static White Series 2 IP68 SCS220 - Static Color Series 2 IP20 SCS265 - Static Color Series 2 IP65 SCS268 - Static Color Series 2 IP68 | RGB20 - RGB IP20 RGB65 - RGB IP65 RGB68 - RGB IP68 RGBWA20 - RGBW/A IP20 RGBWA65 - RGBW/A IP65 VWS220 - VW Series 2 IP20 | VWS265 - VW Series 2 IP65 VWS268 - VW Series 2 IP68 WD20 - Warm Dim IP20 WD65 - Warm Dim IP65 WD68 - Warm Dim IP68 |

NOTE: To ensure waterproofing standards are met, IP65 and IP68 RibbonLyte can NOT be cut in the field.

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)
- 4.4 - 4.4 W/ft (14.4 W/m - Static White, Static Color, RGB, RGBW/RGBA)
- 5.2 - 5.2 W/ft (17.1 W/m - Warm Dim)
- 5.0 - 5.0 W/ft (16.4 W/m - Static White, Static Color)
- 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 (28.86 W/m - RGB)

COLOR

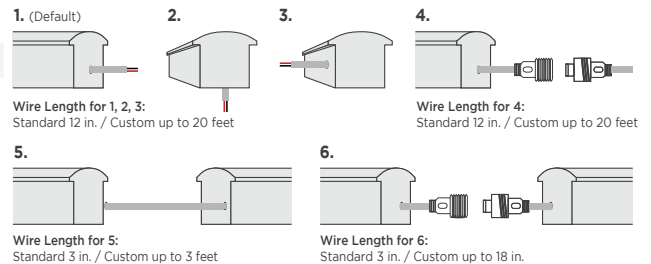
- 18 - 1800K
- 20 - 2000K
- 22 - 2200K
- 24 - 2400K
- 27 - 2700K
- 30 - 3000K
- 35 - 3500K
- 40 - 4000K
- 60 - 6000K
- R - Red
- A - Amber
- G - Green
- B - Blue
- RGB - Red, Green, Blue
- RGB30 - Red, Green, Blue + 3000K
- RGB40 - Red, Green, Blue + 4000K (5.5W only)
- RGB60 - Red, Green, Blue + 6000K
- RGBA - Red, Green, Blue + Amber
- VW - Variable White
- 2920 - Warm Dim 2900K-2000K (IP20)
- 2721 - Warm Dim 2900K-2000K (IP65)
- Z - Undecided**

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

RIBBONLYTE SPECIFICATIONS & COMPATIBILITY

| Available Wattages | Cuttable Length | LED Pitch | Color Temp. | lm/W without Lens | Delivered Lumens with Clear Lens (lm/ft / lm/m) | Delivered Lumens with Milky Lens (lm/ft / lm/m) | Delivered Lumens with Black 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 / 192 | 47 / 155 | 44 / 145 | IP20: 49 ft (15 m) IP65/IP68: 32.8 ft (10 m) | ✓ | ✓ | ✓ |
| | | | 2000K | 99 | 69 / 227 | 56 / 183 | 52 / 171 | | | | |
| | | | 2200K | 109 | 76 / 249 | 61 / 201 | 57 / 188 | | | | |
| | | | 2400K | 113 | 79 / 259 | 64 / 209 | 59 / 195 | | | | |
| | | | 2700K | 123 | 86 / 281 | 69 / 227 | 65 / 212 | | | | |
| | | | 3000K | 123 | 86 / 281 | 69 / 227 | 65 / 212 | | | | |
| | | | 3500K | 130 | 91 / 297 | 73 / 240 | 68 / 224 | | | | |
| | | | 4000K | 134 | 93 / 307 | 75 / 247 | 70 / 231 | | | | |
| | | | 6000K | 131 | 91 / 300 | 74 / 242 | 69 / 226 | | | | |
| 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 | IP20: 49 ft (15 m) IP65/IP68: 32.8 ft (10 m) | ✓ | ✓ | ✓ |
| | | | 2000K | 98 | 137 / 384 | 110 / 362 | 103 / 338 | | | | |
| | | | 2200K | 109 | 152 / 499 | 123 / 402 | 114 / 375 | | | | |
| | | | 2400K | 113 | 158 / 517 | 127 / 417 | 119 / 389 | | | | |
| | | | 2700K | 123 | 172 / 563 | 138 / 454 | 129 / 424 | | | | |
| | | | 3000K | 123 | 172 / 563 | 138 / 454 | 129 / 424 | | | | |
| | | | 3500K | 129 | 180 / 590 | 145 / 476 | 135 / 444 | | | | |
| | | | 4000K | 134 | 187 / 613 | 151 / 495 | 141 / 462 | | | | |
| | | | 6000K | 131 | 183 / 600 | 147 / 484 | 138 / 451 | | | | |
| 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 | IP20: 42 ft (12.8 m) IP65/IP68: 32.8 ft (10 m) | ✓ | ✓ | ✓ |
| | | | 2000K | 96 | 196 / 644 | 158 / 520 | 148 / 485 | | | | |
| | | | 2200K | 106 | 217 / 712 | 175 / 574 | 163 / 536 | | | | |
| | | | 2400K | 111 | 227 / 745 | 183 / 601 | 171 / 561 | | | | |
| | | | 2700K | 120 | 246 / 806 | 198 / 650 | 185 / 606 | | | | |
| | | | 3000K | 122 | 250 / 819 | 201 / 660 | 188 / 616 | | | | |
| | | | 3500K | 127 | 260 / 852 | 210 / 687 | 196 / 642 | | | | |
| | | | 4000K | 133 | 272 / 893 | 219 / 720 | 205 / 672 | | | | |
| | | | 6000K | 128 | 262 / 859 | 211 / 693 | 197 / 647 | | | | |
| 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 | IP20: 36 ft (11 m) IP65/IP68: 32.8 ft (10 m) | ✓ | ✓ | ✓ |
| | | | 2000K | 98 | 273 / 897 | 221 / 723 | 206 / 675 | | | | |
| | | | 2200K | 108 | 301 / 989 | 243 / 797 | 227 / 744 | | | | |
| | | | 2400K | 109.8 | 306 / 1005 | 247 / 811 | 231 / 756 | | | | |
| | | | 2700K | 122.9 | 343 / 1125 | 277 / 907 | 258 / 847 | | | | |
| | | | 3000K | 130 | 363 / 1190 | 293 / 960 | 273 / 896 | | | | |
| | | | 3500K | 133 | 371 / 1217 | 299 / 982 | 279 / 916 | | | | |
| | | | 4000K | 133 | 371 / 1217 | 299 / 982 | 279 / 916 | | | | |
| | | | 6000K | 128 | 357 / 1172 | 288 / 945 | 269 / 882 | | | | |
| 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 | 28 ft 4 in. (8.64 m) | ✓ | ✓ | ✓ |
| | | | 2000K | 95 | 389 / 1275 | 314 / 1029 | 293 / 960 | | | | |
| | | | 2200K | 105 | 430 / 1410 | 347 / 1137 | 323 / 1061 | | | | |
| | | | 2400K | 109 | 446 / 1463 | 360 / 1180 | 336 / 1101 | | | | |
| | | | 2700K | 122 | 499 / 1638 | 403 / 1321 | 376 / 1233 | | | | |
| | | | 3000K | 129 | 528 / 1732 | 426 / 1397 | 397 / 1304 | | | | |
| | | | 3500K | 132 | 540 / 1772 | 436 / 1429 | 407 / 1334 | | | | |
| | | | 4000K | 132 | 540 / 1772 | 436 / 1429 | 407 / 1334 | | | | |
| | | | 6000K | 126 | 516 / 1692 | 416 / 1364 | 388 / 1273 | | | | |
| 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 | IP20: 33 ft 4 in. (10.1 m) IP65/IP68: 32.8 ft (10 m) | ✓ | ✓ | ✓ |
| | | | 2000K | 98 | 456 / 1495 | 368 / 1206 | 343 / 1125 | | | | |
| | | | 2200K | 107 | 498 / 1632 | 401 / 1316 | 375 / 1229 | | | | |
| | | | 2400K | 110 | 511 / 1675 | 412 / 1351 | 384 / 1261 | | | | |
| | | | 2700K | 123 | 571 / 1875 | 461 / 1512 | 430 / 1411 | | | | |
| | | | 3000K | 130 | 605 / 1983 | 488 / 1599 | 455 / 1493 | | | | |
| | | | 3500K | 133 | 618 / 2029 | 499 / 1636 | 466 / 1527 | | | | |
| | | | 4000K | 133 | 618 / 2029 | 499 / 1636 | 466 / 1527 | | | | |
| | | | 6000K | 127 | 591 / 1937 | 476 / 1562 | 445 / 1458 | | | | |

RIBBONLYTE SPECIFICATIONS & COMPATIBILITY

| Available Wattages | Cuttable Length | LED Pitch | Color Temp. | lm/W without Lens | Delivered Lumens with Clear Lens (lm/ft / lm/m) | Delivered Lumens with Milky Lens (lm/ft / lm/m) | Delivered Lumens with Black Lens (lm/ft / lm/m) | 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) | 1800K | 82 | 458 / 1501 | 369 / 1211 | 344 / 1130 | 28 ft (8.5 m) | ✓ | ✓ | ✓ |
| | | | 2000K | 95 | 530 / 1739 | 428 / 1403 | 399 / 1309 | | | | |
| | | | 2200K | 106 | 591 / 1941 | 477 / 1565 | 445 / 1461 | | | | |
| | | | 2400K | 109 | 608 / 1995 | 491 / 1609 | 458 / 1502 | | | | |
| | | | 2700K | 122 | 681 / 2233 | 549 / 1801 | 512 / 1681 | | | | |
| | | | 3000K | 129 | 720 / 2362 | 581 / 1905 | 542 / 1778 | | | | |
| | | | 3500K | 132 | 737 / 2417 | 594 / 1949 | 554 / 1819 | | | | |
| | | | 4000K | 132 | 737 / 2417 | 594 / 1949 | 554 / 1819 | | | | |
| | | | 6000K | 126 | 703 / 2307 | 567 / 1860 | 529 / 1736 | | | | |
| 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 | IP20: 49 ft (15 m) IP65/IP68: 32.8 ft (10 m) | ✓ | ✓ | ✓ |
| | | | Green | 175 | 122 / 400 | 98 / 323 | 92 / 301 | | | | |
| | | | Blue | 19 | 13 / 43 | 11 / 35 | 10 / 33 | | | | |
| | | | Amber | 34 | 24 / 78 | 19 / 63 | 18 / 59 | | | | |
| 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 | IP20: 49 ft (15 m) IP65/IP68: 32.8 ft (10 m) | ✓ | ✓ | ✓ |
| | | | Green | 160 | 223 / 732 | 180 / 591 | 168 / 551 | | | | |
| | | | Blue | 18 | 25 / 82 | 20 / 66 | 19 / 62 | | | | |
| | | | Amber | 34 | 47 / 156 | 38 / 125 | 36 / 117 | | | | |
| 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 | IP20: 42 ft (12.8 m) IP65/IP68: 32.8 ft (10 m) | ✓ | ✓ | ✓ |
| | | | Green | 145 | 297 / 973 | 239 / 785 | 223 / 733 | | | | |
| | | | Blue | 18 | 37 / 121 | 30 / 97 | 28 / 91 | | | | |
| | | | Amber | 34 | 70 / 228 | 56 / 184 | 52 / 172 | | | | |
| 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 | 32.8 ft (10 m) | ✓ | ✓ | ✓ |
| | | | Green | 127 | 354 / 1162 | 286 / 937 | 267 / 875 | | | | |
| | | | Blue | 25 | 70 / 229 | 56 / 185 | 53 / 172 | | | | |
| | | | Amber | 29 | 81 / 265 | 65 / 214 | 61 / 200 | | | | |
| 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 | 29 ft (8.8 m) | ✓ | ✓ | ✓ |
| | | | Green | 117 | 479 / 1571 | 386 / 1267 | 360 / 1182 | | | | |
| | | | Blue | 24 | 98 / 322 | 79 / 260 | 74 / 243 | | | | |
| | | | Amber | 25 | 102 / 336 | 83 / 271 | 77 / 253 | | | | |
| 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 | 30 ft (9.14 m) | ✓ | ✓ | ✓ |
| | | | Green | 116 | 539 / 1770 | 435 / 1427 | 406 / 1332 | | | | |
| | | | Blue | 24 | 112 / 366 | 90 / 295 | 84 / 276 | | | | |
| | | | Amber | 26 | 121 / 397 | 98 / 320 | 91 / 299 | | | | |
| 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 | 28 ft (8.5 m) | ✓ | ✓ | ✓ |
| | | | Green | 113 | 631 / 2069 | 509 / 1668 | 475 / 1557 | | | | |
| | | | Blue | 23 | 128 / 421 | 104 / 340 | 97 / 317 | | | | |
| | | | Amber | 24 | 134 / 439 | 108 / 354 | 101 / 331 | | | | |
| 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 | 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 / 732 | 180 / 591 | 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 / 1373 | 338 / 1107 | 315 / 1033 | 32.8 ft (10 m) | ✓ | ✓ | ✓ |

RIBBONLYTE SPECIFICATIONS & COMPATIBILITY

| Available Wattages | Cuttable Length | LED Pitch | Color Temp. | lm/W without Lens | Delivered Lumens with Clear Lens (lm/ft / lm/m) | Delivered Lumens with Milky Lens (lm/ft / lm/m) | Delivered Lumens with Black Lens (lm/ft / lm/m) | Max Length | Compatible with Channel | | |
|--------------------|---------------------|-------------------------|-------------|-------------------|---|---|---|---------------------|-------------------------|------|------|
| | | | | | | | | | 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 | 19 ft 7.9 in. (6 m) | ✓ | ✓ | ✓ |
| 4.4 RGB | 3.94 in. (100 mm) | 18 LEDs/ft (60 LEDs/m) | RGB | 37 | 76 / 249 | 61 / 200 | 57 / 187 | 19 ft 7.9 in. (6 m) | ✓ | ✓ | ✓ |
| 8.8 RGB | 1.97 in. (50 mm) | 18 LEDs/ft (60 LEDs/m) | RGB | 37 | 303 / 993 | 244 / 801 | 228 / 748 | 19 ft 7.9 in. (6 m) | ✓ | ✓ | |
| 4.4 RGBW | 6.55 in. (166.4 mm) | 18 LEDs/ft (60 LEDs/m) | RGBW | 65 | 266 / 873 | 215 / 704 | 57 / 187 | 19 ft 7.9 in. (6 m) | ✓ | ✓ | ✓ |
| 4.4 RGBA | 6.55 in. (166.4 mm) | 18 LEDs/ft (60 LEDs/m) | RGBA | 33 | 135 / 443 | 109 / 357 | 200 / 657 | 19 ft 7.9 in. (6 m) | ✓ | ✓ | ✓ |
| 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 | 19 ft 7.9 in. (6 m) | ✓ | ✓ | ✓ |
| 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 | 19 ft 7.9 in. (6 m) | ✓ | ✓ | ✓ |
| 5.2 Warm Dim | 3.94 in. (100 mm) | 36 LEDs/ft (120 LEDs/m) | WARM DIM | 55 | 266 / 873 | 215 / 704 | 200 / 657 | 16 ft 4 in. (5 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 | 5.0/6.0 | 2.2 RGB | 4.4 RGB | 8.8 RGB | 4.4 RGBW/A | 5.5 4-in-1 RGBW/A | Warm Dim | Variable White |
| IP20 IP65 IP68 | IP20 IP65 IP68 | IP20 IP65 IP68 | IP20 IP65 IP68 | IP20 IP65 IP68 | IP20 IP65 | IP20 IP65 IP68 | IP20 IP65 IP68 | IP20 IP65 IP68 | IP20 IP65 IP68 |
| N | N | N | Y | 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

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

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



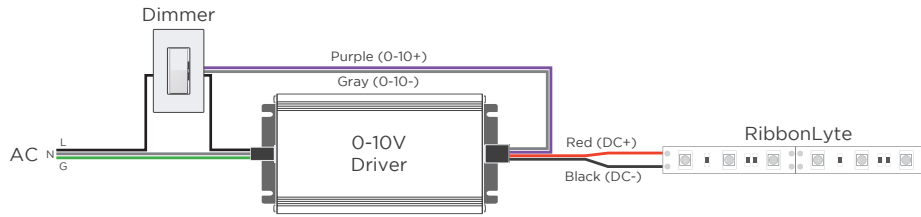
DMX OPTO SPLITTER
Part Number: DMXOS8

DRIVER AND RIBBONLYTE AT FULL LOAD

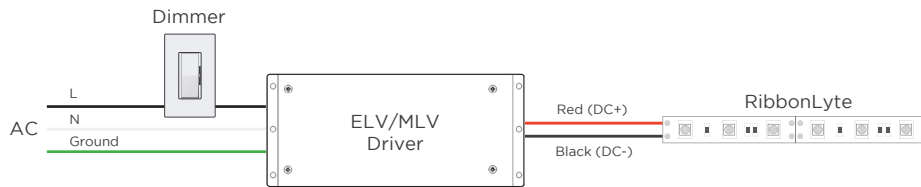
| Wattages | 30 | | 60 | | 96 | | 150 | | 200 | | 240 | | 300 | | 320 | |
|------------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|
| Wire Gauge | Feet | Meters | Feet | Meters | Feet | Meters | Feet | Meters | Feet | 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

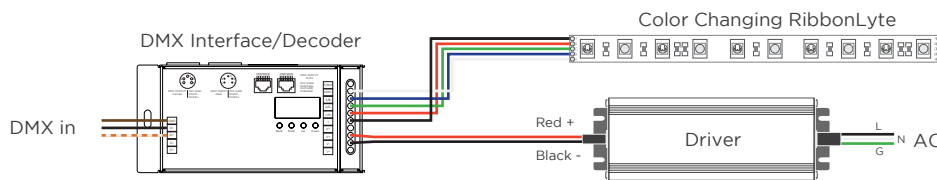
0-10V



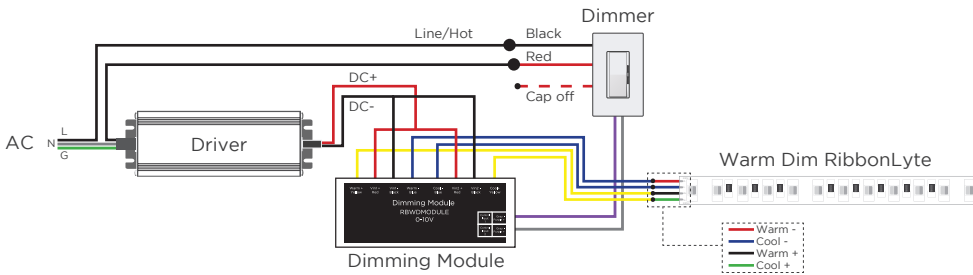
MLV / ELV



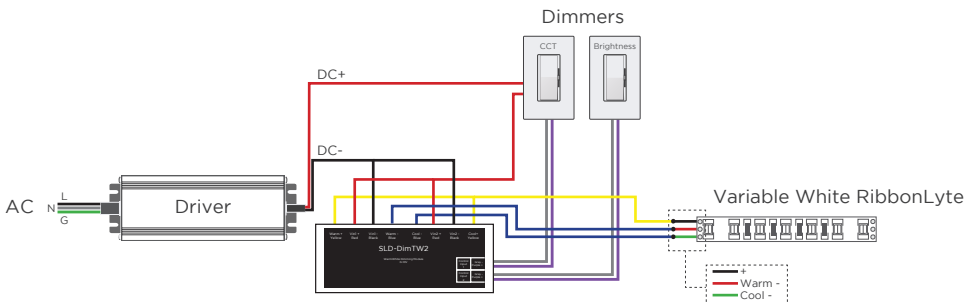
DMX



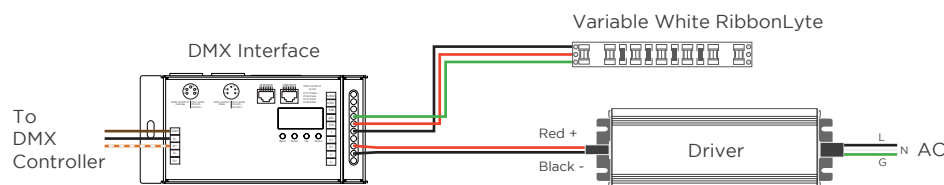
WARM DIM



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