GEN LED acolyte® Architectural Lighting Solutions

Date

Project

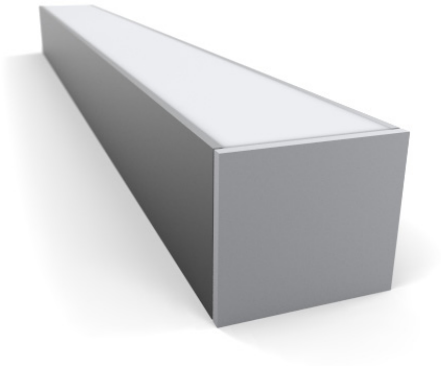
Notes

## WH35 CHANNEL FIXTURE

WH35 Channel Fixture is a large profile channel that fits any RibbonLyte and has a 110-degree beam angle. We offer a variety of mounting options and lenses to create a full range of light output and design. Custom design a fixture for nearly any application with our WH35 Channel and RibbonLyte products.

- Available for field assembly or factory assembly
- Beam Angle 110°
- Wattage Range from 0.75 W/ft (2.46 W/m) to 12 W/ft (39.4 W/m)
- Static White delivered lumen range from 44.1 lm/ft (144.6 lm/m) up to 1273 lm/ft (4176 lm/m)
- Assembled in USA

UL CE RoHS Declare. TM66 ASSESSED

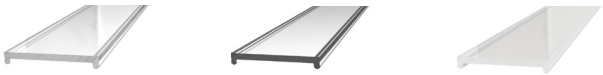


## HOUSING FINISHES

**Silver** Standard | **Black*** | **White*** | **Custom RAL***

*Additional fee applies

## AVAILABLE LENS FINISHES



**Clear Lens**
92% Light Transmission

**Frosted Lens**
85% Light Transmission

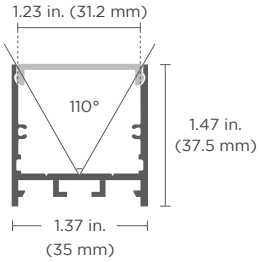
**Milky Lens**
70% Light Transmission

## AVAILABLE COLORS & COLOR TEMPERATURES

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

## DIMENSIONS

**WH35 Channel**

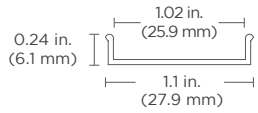



**Width:** 1.37 in. (35 mm)
**Height:** 1.47 in. (37.5 mm)
**Internal Width:** 1.23 in. (31.2 mm)

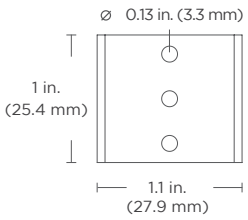
**Mounting Clip (Included Accessory)**

Material: manganese steel

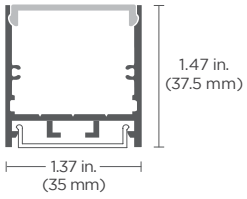
**Side View**




**Top View**




**Assembled View**




**Width:** 1.37 in. (35 mm)
**Height:** 1.47 in. (37.5 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.

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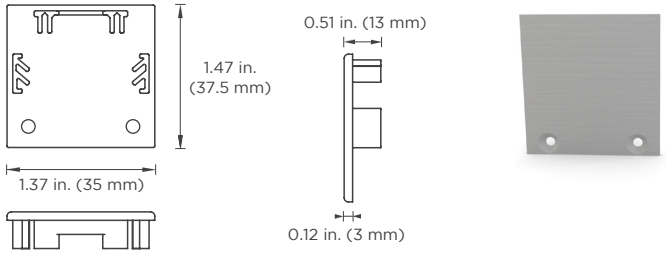
| | |
|---|---|
| **Beam Angle** | 110° |
| **Lens Type** | Clear Lens, Frosted Lens, Milky Lens |
| **Length** | Channel is sold by the foot and cut to your exact desired length. Required amount of mounting clips included. |
| **Operating Voltage** | 24 V |
| **Dimming** | MLV / 0-10 Volt / ELV / DALI / DMX |
| **Operating Temperature** | -40 — 158 °F (-40 — 70 °C) |
| **Colors** | 1800K, 2000K, 2200K, 2400K, 2700K, 3000K, 3500K, 4000K, 6000K, Red, Amber, Green, Blue, RGBW, RGBWW, RGBA, VW, Warm Dim, RGBW Addressable (1800K, 2000K, 2200K only available in IP20) |
| **CRI** | 90+ CRI (Static white only) |
| **Lamp Life** | L70 at 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: aluminum

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## ORDERING GUIDE

## STEP 1 Complete Channel Part Number

| CHANNEL | LENS | | HOUSING COLOR | |
|---|---|---|---|---|
| CHWH35 | | | | |
| **CHWH35** - WH35 Channel | **C** - Clear Lens* | **M** - Milky Lens | **SV** - Silver (default) | **WH** - White |
| | **F** - Frosted Lens | * Clear lens is the default option if not specified. | **BK** - Black | Consult factory for custom colors |

## STEP 2 Complete RibbonLyte Part Number

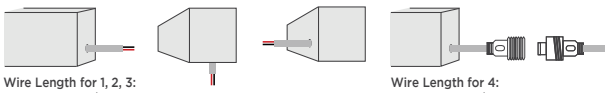
| CATEGORY | CRI | RIBBON TYPE & IP RATING | | |
|---|---|---|---|---|
| RB | | | | |
| **RB** - RibbonLyte | **0** - Static Color, Color Changing | **LINEA20** - Linea RibbonLyte IP20 | **RGBWW20** - RGBWW 5-in-1 IP20 | **VWS220** - VW Series 2 IP20 |
| | **90** - 90+ CRI Static White | **SWS220** - Static White Series 2 IP20 | **RGBWS220** - RGBW Series 2 IP20 | **VWS265** - VW Series 2 IP65 |
| | | **SWS265** - Static White Series 2 IP65 | **RGBWS265** - RGBW Series 2 IP65 | **VWS268** - VW Series 2 IP68 |
| | | **SWS268** - Static White Series 2 IP68 | **RGBWS268** - RGBW Series 2 IP68 | **WD20** - Warm Dim IP20 |
| | | **SWDR20** - Static White Double Row IP20 | **RGBWADD** - Addressable RGBW IP67 | **WD65** - Warm Dim IP65 |
| | | **SCS220** - Static Color Series 2 IP20 | **RGBWADR20** - RGBW/A Double Row IP20 | **WD68** - Warm Dim IP68 |
| | | **SCS265** - Static Color Series 2 IP65 | **VWDR20** - Variable White Double Row IP20 | |
| | | **SCS268** - Static Color Series 2 IP68 | | |

**NOTE:** To ensure waterproofing standards are met, IP65, IP67, and IP68 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 | **VW** - Variable White |
| **1.0** - 1.0 W/ft (3.3 W/m - Variable White) | **20** - 2000K | **RGB27** - Red, Green, Blue + 2700K |
| **1.5** - 1.5 W/ft (4.9 W/m - Static White, Static Color) | **22** - 2200K | **RGB30** - Red, Green, Blue + 3000K |
| **2.2** - 2.2 W/ft (7.2 W/m - Static White, Static Color) | **24** - 2400K | **RGB40** - Red, Green, Blue + 4000K |
| **2.4** - 2.4 W/ft (8 W/m - Static White Linea) | **27** - 2700K | **RGB2465** - Red, Green, Blue + 2400K + 6500K |
| **3.0** - 3.0 W/ft (9.8 W/m - Static White, Static Color, Variable White, RGBW, RGBA) | **30** - 3000K | **RGBA** - Red, Green, Blue + Amber |
| **4.3** - 4.3 W/ft (14 W/m - Static White Linea) | **35** - 3500K | **RGBW30** - RGB + 3000K Addressable |
| **4.4** - 4.4 W/ft (14.4 W/m - Static White, Static Color, RGBW, RGBWW, RGBA) | **40** - 4000K | **RGBW40** - RGB + 4000K Addressable |
| **5.0** - 5.0 W/ft (16.4 W/m - Static White, Static Color) | **60** - 6000K | **RGBW60** - RGB + 6000K Addressable |
| **5.2** - 5.2 W/ft (17.1 W/m - Warm Dim) | **R** - Red | **2920** - Warm Dim 2900K - 2000K (IP20) |
| **5.5** - 5.5 W/ft (18.0 W/m - RGBW, RGBA) | **A** - Amber | **2721** - Warm Dim 2700K - 2100K (IP65+IP68) |
| **6.0** - 6.0 W/ft (19.7 W/m - Static White, Static Color, Variable White, RGBW, RGBA, RGBW Addressable) | **G** - Green | **Z** - Undecided** |
| **6.1** - 6.1 W/ft (20 W/m - Variable White Linea) | **B** - Blue | ** For quotes only. Must be chosen before final order. |
| **8.8** - 8.8 W/ft (28.9 W/m - RGBW, RGBWW, RGBA,) | | |
| **12.0** - 12.0 W/ft (39.4 W/m - Static White, Variable White, RGBW, RGBA) | | |

| 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.

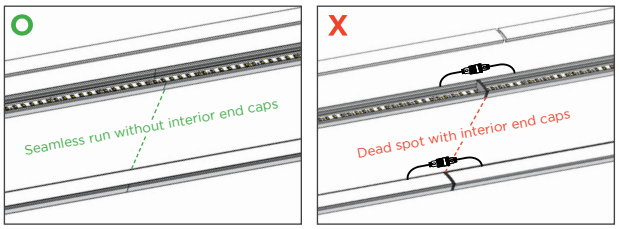
## STEP 3 Complete Assembly Option & Length

| 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 | Cuttable Length | LED Pitch | Color Temp. | lm/W without Lens | Delivered Lumens with Clear Lens | Delivered Lumens with Frosted Lens | Delivered Lumens with Milky 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 | 58 lm/ft (190.3 lm/m) | 53.6 lm/ft (175.8 lm/m) | 44.1 lm/ft (144.6 lm/m) | IP20: 49 ft (15 m) IP65/ IP68: 32.8 ft (10 m) | ✓ | ✓ | ✓ |
| | | | 2000K | 99 | 68.3 lm/ft (224 lm/m) | 63.1 lm/ft (207 lm/m) | 52 lm/ft (170.6 lm/m) | | | | |
| | | | 2200K | 109 | 75.2 lm/ft (246.7 lm/m) | 69.5 lm/ft (228 lm/m) | 57.2 lm/ft (187.6 lm/m) | | | | |
| | | | 2400K | 113 | 78 lm/ft (255.8 lm/m) | 72.0 lm/ft (236.2 lm/m) | 59.3 lm/ft (194.5 lm/m) | | | | |
| | | | 2700K | 123 | 84.9 lm/ft (278.5 lm/m) | 78.4 lm/ft (257.2 lm/m) | 64.6 lm/ft (211.9 lm/m) | | | | |
| | | | 3000K | 123 | 84.9 lm/ft (278.5 lm/m) | 78.4 lm/ft (257.2 lm/m) | 64.6 lm/ft (211.9 lm/m) | | | | |
| | | | 3500K | 130 | 89.7 lm/ft (294.2 lm/m) | 82.9 lm/ft (272 lm/m) | 68.3 lm/ft (224 lm/m) | | | | |
| | | | 4000K | 134 | 92.5 lm/ft (303.4 lm/m) | 85.4 lm/ft (280.1 lm/m) | 70.4 lm/ft (230.9 lm/m) | | | | |
| | | | 6000K | 131 | 90.4 lm/ft (296.5 lm/m) | 83.5 lm/ft (273.9 lm/m) | 68.8 lm/ft (225.7 lm/m) | | | | |
| 1.5 Static White Series 2 | 1.97 in. (50 mm) | 48 LEDs/ft (160 LEDs/m) | 1800K | 84 | 115.9 lm/ft (380.2 lm/m) | 107.1 lm/ft (351.3 lm/m) | 88.2 lm/ft (289.3 lm/m) | IP20: 49 ft (15 m) IP65/ IP68: 32.8 ft (10 m) | ✓ | ✓ | ✓ |
| | | | 2000K | 98 | 135.2 lm/ft (443.5 lm/m) | 125 lm/ft (410 lm/m) | 102.9 lm/ft (337.5 lm/m) | | | | |
| | | | 2200K | 109 | 150.4 lm/ft (493.3 lm/m) | 139 lm/ft (455.9 lm/m) | 114.5 lm/ft (375.6 lm/m) | | | | |
| | | | 2400K | 113 | 155.9 lm/ft (511.4 lm/m) | 144.1 lm/ft (472.6 lm/m) | 118.7 lm/ft (389.3 lm/m) | | | | |
| | | | 2700K | 123 | 169.7 lm/ft (556.6 lm/m) | 156.8 lm/ft (514.3 lm/m) | 129.2 lm/ft (423.8 lm/m) | | | | |
| | | | 3000K | 123 | 169.7 lm/ft (556.6 lm/m) | 156.8 lm/ft (514.3 lm/m) | 129.2 lm/ft (423.8 lm/m) | | | | |
| | | | 3500K | 129 | 178 lm/ft (583.8 lm/m) | 164.5 lm/ft (539.6 lm/m) | 135.5 lm/ft (444.4 lm/m) | | | | |
| | | | 4000K | 134 | 184.9 lm/ft (606.5 lm/m) | 170.9 lm/ft (560.6 lm/m) | 140.7 lm/ft (461.5 lm/m) | | | | |
| | | | 6000K | 131 | 180.8 lm/ft (593 lm/m) | 167 lm/ft (547.8 lm/m) | 137.6 lm/ft (451.3 lm/m) | | | | |
| 2.2 Static White Series 2 | 1.97 in. (50 mm) | 48 LEDs/ft (160 LEDs/m) | 1800K | 83 | 168 lm/ft (551 lm/m) | 155.2 lm/ft (509.1 lm/m) | 127.8 lm/ft (419.2 lm/m) | IP20: 42 ft (12.8 m) IP65/ IP68: 32.8 ft (10 m) | ✓ | ✓ | ✓ |
| | | | 2000K | 96 | 194.3 lm/ft (637.3 lm/m) | 179.5 lm/ft (588.8 lm/m) | 147.8 lm/ft (484.8 lm/m) | | | | |
| | | | 2200K | 106 | 214.5 lm/ft (703.6 lm/m) | 198.2 lm/ft (650.1 lm/m) | 163.2 lm/ft (535.3 lm/m) | | | | |
| | | | 2400K | 111 | 224.7 lm/ft (737 lm/m) | 207.6 lm/ft (680.9 lm/m) | 170.9 lm/ft (560.6 lm/m) | | | | |
| | | | 2700K | 120 | 242.9 lm/ft (796.7 lm/m) | 224.4 lm/ft (736 lm/m) | 184.8 lm/ft (606.1 lm/m) | | | | |
| | | | 3000K | 122 | 246.9 lm/ft (809.8 lm/m) | 228.1 lm/ft (748.2 lm/m) | 187.9 lm/ft (616.3 lm/m) | | | | |
| | | | 3500K | 127 | 257 lm/ft (843 lm/m) | 237.5 lm/ft (779 lm/m) | 195.6 lm/ft (641.6 lm/m) | | | | |
| | | | 4000K | 133 | 269.2 lm/ft (883 lm/m) | 248.7 lm/ft (779 lm/m) | 204.8 lm/ft (671.7 lm/m) | | | | |
| | | | 6000K | 128 | 259.1 lm/ft (849.8 lm/m) | 239.4 lm/ft (785.2 lm/m) | 197.1 lm/ft (646.5 lm/m) | | | | |
| 3.0 Static White Series 2 | 1.97 in. (50 mm) | 48 LEDs/ft (160 LEDs/m) | 2400K | 109.8 | 303.1 lm/ft (994.1 lm/m) | 280.1 lm/ft (918.6 lm/m) | 230.6 lm/ft (756.5 lm/m) | IP20: 36 ft (11 m) IP65/ IP68: 32.8 ft (10 m) | ✓ | ✓ | ✓ |
| | | | 2700K | 122.9 | 339.6 lm/ft (1114 lm/m) | 313.5 lm/ft (1028.1 lm/m) | 258.1 lm/ft (846.7 lm/m) | | | | |
| | | | 3000K | 130 | 359.1 lm/ft (1177.9 lm/m) | 331.4 lm/ft (1087.1 lm/m) | 273 lm/ft (895.3 lm/m) | | | | |
| | | | 3500K | 133 | 367.5 lm/ft (1205.3 lm/m) | 339.2 lm/ft (1112.4 lm/m) | 279.3 lm/ft (916.1 lm/m) | | | | |
| | | | 4000K | 133 | 367.5 lm/ft (1205.3 lm/m) | 339.2 lm/ft (1112.4 lm/m) | 279.3 lm/ft (916.1 lm/m) | | | | |
| | | | 6000K | 127 | 350.8 lm/ft (1150.5 lm/m) | 323.7 lm/ft (1061.8 lm/m) | 266.6 lm/ft (874.5 lm/m) | | | | |
| 4.4 Static White Series 2 | 1.97 in. (50 mm) | 48 LEDs/ft (160 LEDs/m) | 2400K | 109 | 441.2 lm/ft (1447 lm/m) | 407.7 lm/ft (1337.1 lm/m) | 335.7 lm/ft (1101.2 lm/m) | 28 ft 4 in. (8.64 m) | ✓ | ✓ | ✓ |
| | | | 2700K | 122 | 494.4 lm/ft (1621.6 lm/m) | 456.3 lm/ft (1496.6 lm/m) | 375.8 lm/ft (1232.5 lm/m) | | | | |
| | | | 3000K | 129 | 522.8 lm/ft (1714.7 lm/m) | 482.5 lm/ft (1582.5 lm/m) | 397.3 lm/ft (1303.2 lm/m) | | | | |
| | | | 3500K | 132 | 534.9 lm/ft (1754.5 lm/m) | 493.7 lm/ft (1619.3 lm/m) | 406.6 lm/ft (1333.5 lm/m) | | | | |
| | | | 4000K | 132 | 534.9 lm/ft (1754.5 lm/m) | 493.7 lm/ft (1619.3 lm/m) | 406.6 lm/ft (1333.5 lm/m) | | | | |
| | | | 6000K | 126 | 510.6 lm/ft (1674.8 lm/m) | 471.2 lm/ft (1545.7 lm/m) | 388.1 lm/ft (1272.9 lm/m) | | | | |
| 5.0 Static White Series 2 | 1.4 in. (35.7 mm) | 68 LEDs/ft (224 LEDs/m) | 2400K | 109.8 | 505.1 lm/ft (1656.8 lm/m) | 466.8 lm/ft (1531 lm/m) | 384.4 lm/ft (1260.8 lm/m) | IP20: 33 ft 4 in. (10.1 m) IP65/ IP68: 32.8 ft (10 m) | ✓ | ✓ | ✓ |
| | | | 2700K | 122.9 | 566.1 lm/ft (1856.7 lm/m) | 522.4 lm/ft (1713.6 lm/m) | 430.2 lm/ft (1411.2 lm/m) | | | | |
| | | | 3000K | 130 | 598.5 lm/ft (1963.2 lm/m) | 552.4 lm/ft (1811.9 lm/m) | 454.9 lm/ft (1492.1 lm/m) | | | | |
| | | | 3500K | 133 | 612.5 lm/ft (2008.9 lm/m) | 565.3 lm/ft (1854 lm/m) | 465.5 lm/ft (1526.8 lm/m) | | | | |
| | | | 4000K | 133 | 612.5 lm/ft (2008.9 lm/m) | 565.3 lm/ft (1854 lm/m) | 465.5 lm/ft (1526.8 lm/m) | | | | |
| | | | 6000K | 127 | 584.6 lm/ft (1917.6 lm/m) | 539.6 lm/ft (1769.7 lm/m) | 444.3 lm/ft (1457.4 lm/m) | | | | |
| 6.0 Static White Series 2 | 1.4 in. (35.7 mm) | 68 LEDs/ft (224 LEDs/m) | 2400K | 109 | 601.6 lm/ft (1973.2 lm/m) | 555.9 lm/ft (1823.4 lm/m) | 457.8 lm/ft (1501.6 lm/m) | 28 ft (8.5 m) | ✓ | ✓ | ✓ |
| | | | 2700K | 122 | 674.2 lm/ft (2211.3 lm/m) | 622.2 lm/ft (2040.8 lm/m) | 512.4 lm/ft (1680.7 lm/m) | | | | |
| | | | 3000K | 129 | 712.9 lm/ft (2338.2 lm/m) | 657.9 lm/ft (2157.9 lm/m) | 541.8 lm/ft (1777.1 lm/m) | | | | |
| | | | 3500K | 132 | 729.4 lm/ft (2392.5 lm/m) | 673.2 lm/ft (2208.1 lm/m) | 554.4 lm/ft (1818.4 lm/m) | | | | |
| | | | 4000K | 132 | 729.4 lm/ft (2392.5 lm/m) | 673.2 lm/ft (2208.1 lm/m) | 554.4 lm/ft (1818.4 lm/m) | | | | |
| | | | 6000K | 126 | 696.3 lm/ft (2283.8 lm/m) | 642.6 lm/ft (2107.7 lm/m) | 529.2 lm/ft (1735.8 lm/m) | | | | |

## SPECIFICATIONS

| Available Wattages | Cuttable Length | LED Pitch | Color Temp. | lm/W without Lens | Delivered Lumens with Clear Lens | Delivered Lumens with Frosted Lens | Delivered Lumens with Milky Lens | Max Length | Compatible with Channel | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | IP20 | IP65 | IP68 |
| 3.0 Static White Double Row | 0.7 in. (17.9 mm) | 136 LEDs/ft (448 LEDs/m) | 1800K | 73 | 206 lm/ft (676 lm/m) | 204 lm/ft (669 lm/m) | 202 lm/ft (662 lm/m) | 65 ft 7 in. (20 m) | ✓ | N/A | N/A |
| | | | 2000K | 86 | 243 lm/ft (798 lm/m) | 240 lm/ft (787 lm/m) | 238 lm/ft (781 lm/m) | | | | |
| | | | 2200K | 94 | 266 lm/ft (872 lm/m) | 263 lm/ft (863 lm/m) | 260 lm/ft (853 lm/m) | | | | |
| | | | 2400K | 97 | 273 lm/ft (896 lm/m) | 270 lm/ft (886 lm/m) | 267 lm/ft (877 lm/m) | | | | |
| | | | 2700K | 109 | 308 lm/ft (1010 lm/m) | 304 lm/ft (997 lm/m) | 301 lm/ft (989 lm/m) | | | | |
| | | | 3000K | 118 | 333 lm/ft (1092 lm/m) | 330 lm/ft (1082 lm/m) | 326 lm/ft (1069 lm/m) | | | | |
| | | | 3500K | 119 | 335 lm/ft (1100 lm/m) | 333 lm/ft (1092 lm/m) | 328 lm/ft (1077 lm/m) | | | | |
| | | | 4000K | 118 | 333 lm/ft (1092 lm/m) | 330 lm/ft (1082 lm/m) | 326 lm/ft (1069 lm/m) | | | | |
| | | | 6000K | 114 | 323 lm/ft (1059 lm/m) | 320 lm/ft (1050 lm/m) | 316 lm/ft (1037 lm/m) | | | | |
| 6.0 Static White Double Row | 0.7 in. (17.9 mm) | 136 LEDs/ft (448 LEDs/m) | 1800K | 73 | 412 lm/ft (1353 lm/m) | 407 lm/ft (1335 lm/m) | 403 lm/ft (1324 lm/m) | 39 ft (12 m) | ✓ | N/A | N/A |
| | | | 2000K | 86 | 487 lm/ft (1597 lm/m) | 481 lm/ft (1578 lm/m) | 476 lm/ft (1563 lm/m) | | | | |
| | | | 2200K | 94 | 531 lm/ft (1744 lm/m) | 526 lm/ft (1725 lm/m) | 520 lm/ft (1707 lm/m) | | | | |
| | | | 2400K | 97 | 546 lm/ft (1792 lm/m) | 541 lm/ft (1775 lm/m) | 535 lm/ft (1707 lm/m) | | | | |
| | | | 2700K | 109 | 616 lm/ft (2021 lm/m) | 609 lm/ft (1998 lm/m) | 603 lm/ft (1978 lm/m) | | | | |
| | | | 3000K | 118 | 666 lm/ft (2184 lm/m) | 659 lm/ft (2162 lm/m) | 651 lm/ft (2137 lm/m) | | | | |
| | | | 3500K | 119 | 670 lm/ft (2200 lm/m) | 663 lm/ft (2175 lm/m) | 656 lm/ft (2153 lm/m) | | | | |
| | | | 4000K | 118 | 666 lm/ft (2184 lm/m) | 658 lm/ft (2158 lm/m) | 651 lm/ft (2137 lm/m) | | | | |
| | | | 6000K | 114 | 646 lm/ft (2118 lm/m) | 639 lm/ft (2096 lm/m) | 632 lm/ft (2073 lm/m) | | | | |
| 12.0 Static White Double Row | 0.7 in. (17.9 mm) | 136 LEDs/ft (448 LEDs/m) | 1800K | 69 | 783 lm/ft (2567 lm/m) | 775 lm/ft (2542 lm/m) | 766 lm/ft (2513 lm/m) | 26 ft 3 in. (8 m) | ✓ | N/A | N/A |
| | | | 2000K | 82 | 924 lm/ft (3031 lm/m) | 914 lm/ft (2998 lm/m) | 904 lm/ft (2967 lm/m) | | | | |
| | | | 2200K | 89 | 1009 lm/ft (3310 lm/m) | 998 lm/ft (3273 lm/m) | 987 lm/ft (3239 lm/m) | | | | |
| | | | 2400K | 92 | 1037 lm/ft (3403 lm/m) | 1026 lm/ft (3365 lm/m) | 1015 lm/ft (3330 lm/m) | | | | |
| | | | 2700K | 104 | 1169 lm/ft (3836 lm/m) | 1157 lm/ft (3795 lm/m) | 1144 lm/ft (3754 lm/m) | | | | |
| | | | 3000K | 112 | 1263 lm/ft (4145 lm/m) | 1250 lm/ft (4100 lm/m) | 1236 lm/ft (4057 lm/m) | | | | |
| | | | 3500K | 113 | 1273 lm/ft (4176 lm/m) | 1259 lm/ft (4130 lm/m) | 1246 lm/ft (4087 lm/m) | | | | |
| | | | 4000K | 112 | 1263 lm/ft (4145 lm/m) | 1250 lm/ft (4100 lm/m) | 1236 lm/ft (4057 lm/m) | | | | |
| | | | 6000K | 109 | 1226 lm/ft (4021 lm/m) | 1213 lm/ft (3979 lm/m) | 1200 lm/ft (3936 lm/m) | | | | |
| 0.75 Static Color Series 2 | 1.97 in. (50 mm) | 48 LEDs/ft (160 LEDs/m) | Red | 41 | 28 lm/ft (93 lm/m) | 26 lm/ft (86 lm/m) | 22 lm/ft (70.6 lm/m) | IP20: 49 ft (15 m) IP65/ IP68: 32.8 ft (10 m) | ✓ | ✓ | ✓ |
| | | | Green | 175 | 121 lm/ft (396 lm/m) | 112 lm/ft (366 lm/m) | 92 lm/ft (301.4 lm/m) | | | | |
| | | | Blue | 19 | 13 lm/ft (43 lm/m) | 12 lm/ft (40 lm/m) | 10 lm/ft (32.7 lm/m) | | | | |
| | | | Amber | 34 | 23 lm/ft (77 lm/m) | 22 lm/ft (71 lm/m) | 18 lm/ft (58.6 lm/m) | | | | |
| 1.5 Static Color Series 2 | 1.97 in. (50 mm) | 48 LEDs/ft (160 LEDs/m) | Red | 42 | 58 lm/ft (190 lm/m) | 54 lm/ft (176 lm/m) | 44 lm/ft (144.7 lm/m) | IP20: 49 ft (15 m) IP65/ IP68: 32.8 ft (10 m) | ✓ | ✓ | ✓ |
| | | | Green | 160 | 221 lm/ft (724 lm/m) | 204 lm/ft (669 lm/m) | 168 lm/ft (551.1 lm/m) | | | | |
| | | | Blue | 18 | 25 lm/ft (81 lm/m) | 23 lm/ft (75 lm/m) | 19 lm/ft (62 lm/m) | | | | |
| | | | Amber | 34 | 47 lm/ft (154 lm/m) | 43 lm/ft (142 lm/m) | 36 lm/ft (117.1 lm/m) | | | | |
| 2.2 Static Color Series 2 | 1.97 in. (50 mm) | 48 LEDs/ft (160 LEDs/m) | Red | 42 | 85 lm/ft (279 lm/m) | 79 lm/ft (258 lm/m) | 65 lm/ft (212.2 lm/m) | IP20: 42 ft (12.8 m) IP65/ IP68: 32.8 ft (10 m) | ✓ | ✓ | ✓ |
| | | | Green | 145 | 293 lm/ft (963 lm/m) | 271 lm/ft (889 lm/m) | 223 lm/ft (732.4 lm/m) | | | | |
| | | | Blue | 18 | 36 lm/ft (119 lm/m) | 34 lm/ft (110 lm/m) | 28 lm/ft (90.9 lm/m) | | | | |
| | | | Amber | 33 | 67 lm/ft (219 lm/m) | 62 lm/ft (202 lm/m) | 51 lm/ft (166.7 lm/m) | | | | |
| 3.0 Static Color Series 2 | 1.97 in. (50 mm) | 48 LEDs/ft (160 LEDs/m) | Red | 40.0 | 110.4 lm/ft (362.1 lm/m) | 102.0 lm/ft (334.6 lm/m) | 84.0 lm/ft (275.52 lm/m) | 32.8 ft (10 m) | ✓ | ✓ | ✓ |
| | | | Green | 127.0 | 350.9 lm/ft (1151.0 lm/m) | 323.9 lm/ft (1062.2 lm/m) | 266.7 lm/ft (874.776 lm/m) | | | | |
| | | | Blue | 25.0 | 69.1 lm/ft (226.6 lm/m) | 63.8 lm/ft (209.1 lm/m) | 52.5 lm/ft (172.2 lm/m) | | | | |
| | | | Amber | 29.0 | 80.1 lm/ft (262.8 lm/m) | 74.0 lm/ft (242.6 lm/m) | 60.9 lm/ft (199.752 lm/m) | | | | |
| 4.4 Static Color Series 2 | 1.97 in. (50 mm) | 48 LEDs/ft (160 LEDs/m) | Red | 38.0 | 153.8 lm/ft (504.5 lm/m) | 142.1 lm/ft (466.2 lm/m) | 117.0 lm/ft (383.8912 lm/m) | 29 ft (8.8 m) | ✓ | ✓ | ✓ |
| | | | Green | 117.0 | 474.1 lm/ft (1555.1 lm/m) | 437.6 lm/ft (1435.3 lm/m) | 360.4 lm/ft (1181.981 lm/m) | | | | |
| | | | Blue | 24.0 | 97.3 lm/ft (319.0 lm/m) | 89.8 lm/ft (294.4 lm/m) | 73.9 lm/ft (242.4576 lm/m) | | | | |
| | | | Amber | 25.0 | 101.3 lm/ft (332.2 lm/m) | 93.5 lm/ft (306.7 lm/m) | 77.0 lm/ft (252.56 lm/m) | | | | |

## RIBBONLYTE SPECIFICATIONS & COMPATIBILITY

| Available Wattages | Cuttable Length | LED Pitch | Color Temp. | lm/W without Lens | Delivered Lumens with Clear Lens | Delivered Lumens with Frosted Lens | Delivered Lumens with Milky Lens | Max Length | Compatible with Channel | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | IP20 | IP65 | IP68 |
| 5.0 Static Color Series 2 | 1.4 in. (35.7 mm) | 68 LEDs/ft (224 LEDs/m) | Red | 37.0 | 170.2 lm/ft (558.2 lm/m) | 157.3 lm/ft (515.8 lm/m) | 129.5 lm/ft (424.76 lm/m) | 30 ft (9.14 m) | ✓ | ✓ | ✓ |
| | | | Green | 116.0 | 534.2 lm/ft (1752.1 lm/m) | 493.0 lm/ft (1617.0 lm/m) | 406.0 lm/ft (1331.68 lm/m) | | | | |
| | | | Blue | 24.0 | 110.5 lm/ft (362.5 lm/m) | 102.0 lm/ft (334.6 lm/m) | 84.0 lm/ft (275.52 lm/m) | | | | |
| | | | Amber | 26.0 | 119.7 lm/ft (392.7 lm/m) | 110.5 lm/ft (362.4 lm/m) | 91.0 lm/ft (298.48 lm/m) | | | | |
| 6.0 Static Color Series 2 | 1.4 in. (35.7 mm) | 68 LEDs/ft (224 LEDs/m) | Red | 37.0 | 204.2 lm/ft (669.8 lm/m) | 188.7 lm/ft (618.9 lm/m) | 155.4 lm/ft (509.712 lm/m) | 28 ft (8.5 m) | ✓ | ✓ | ✓ |
| | | | Green | 113.0 | 624.4 lm/ft (2048.2 lm/m) | 576.3 lm/ft (1890.3 lm/m) | 474.6 lm/ft (1556.688 lm/m) | | | | |
| | | | Blue | 23.0 | 127.1 lm/ft (416.9 lm/m) | 117.3 lm/ft (384.8 lm/m) | 96.6 lm/ft (316.9 lm/m) | | | | |
| | | | Amber | 24.0 | 132.6 lm/ft (435.0 lm/m) | 122.4 lm/ft (401.6 lm/m) | 100.8 lm/ft (330.7 lm/m) | | | | |
| 2.4 Static White Linea | 1.97 in. (50 mm) | 146 LEDs/ft (480 LEDs/m) | 2700K | 67 | 148.1 lm/ft (485.8 lm/m) | 136.9 lm/ft (448.8 lm/m) | 112.7 lm/ft (369.6 lm/m) | 21.3 ft (6.5 m) | ✓ | N/A | N/A |
| | | | 3000K | 71 | 156.4 lm/ft (514.3 lm/m) | 144.5 lm/ft (475.2 lm/m) | 119 lm/ft (391.3 lm/m) | | | | |
| | | | 3500K | 83 | 183.1 lm/ft (601.7 lm/m) | 169.2 lm/ft (555.9 lm/m) | 139.3 lm/ft (457.8 lm/m) | | | | |
| | | | 4000K | 83 | 183.1 lm/ft (601.7 lm/m) | 169.2 lm/ft (555.9 lm/m) | 139.3 lm/ft (457.8 lm/m) | | | | |
| 3.0 Static White Linea | 1.97 in. (50 mm) | 146 LEDs/ft (480 LEDs/m) | 2700K | 66 | 182.2 lm/ft (598 lm/m) | 168.3 lm/ft (552.5 lm/m) | 138.6 lm/ft (455 lm/m) | 21.3 ft (6.5 m) | ✓ | N/A | N/A |
| | | | 3000K | 73 | 201.5 lm/ft (661.5 lm/m) | 186.2 lm/ft (611.2 lm/m) | 153.3 lm/ft (503.3 lm/m) | | | | |
| | | | 3500K | 78 | 215.3 lm/ft (706.6 lm/m) | 198.9 lm/ft (652.8 lm/m) | 163.8 lm/ft (537.6 lm/m) | | | | |
| | | | 4000K | 83 | 229.1 lm/ft (751.6 lm/m) | 211.7 lm/ft (694.5 lm/m) | 174.3 lm/ft (571.9 lm/m) | | | | |
| 4.3 Static White Linea | 1.97 in. (50 mm) | 146 LEDs/ft (480 LEDs/m) | 2700K | 75 | 297.2 lm/ft (973.4 lm/m) | 274.6 lm/ft (899.3 lm/m) | 226.1 lm/ft (740.6 lm/m) | 24.6 ft (7.5 m) | ✓ | N/A | N/A |
| | | | 3000K | 78 | 308.2 lm/ft (1012 lm/m) | 284.8 lm/ft (935 lm/m) | 234.5 lm/ft (770 lm/m) | | | | |
| | | | 3500K | 86 | 340.4 lm/ft (1116.9 lm/m) | 314.5 lm/ft (1031.9 lm/m) | 259 lm/ft (849.8 lm/m) | | | | |
| | | | 4000K | 86 | 340.4 lm/ft (1116.9 lm/m) | 314.5 lm/ft (1031.9 lm/m) | 259 lm/ft (849.8 lm/m) | | | | |
| 6.1 Variable White Linea | 1.09 in. (27.78 mm) | 175 LEDs/ft (576 LEDs/m) | 2700K + 6500K | 95 | 533.6 lm/ft (1750.8 lm/m) | 493 lm/ft (1617.6 lm/m) | 406 lm/ft (1332.1 lm/m) | 16.4 ft (5 m) | ✓ | N/A | N/A |
| 3.0 Variable White Double Row | 1.97 in. (50 mm) | 84 LEDs/ ft (280 LEDs/m) | 2000K + 6500K | 87 | 245 lm/ft (805 lm/m) | 243 lm/ft (797 lm/m) | 240 lm/ft (788 lm/m) | 65 ft 7 in. (20 m) | ✓ | N/A | N/A |
| 6.0 Variable White Double Row | 1.97 in. (50 mm) | 84 LEDs/ ft (280 LEDs/m) | 2000K + 6500K | 82 | 462 lm/ft (1517 lm/m) | 457 lm/ft (1499 lm/m) | 453 lm/ft (1485 lm/m) | 45 ft 11 in. (14 m) | ✓ | N/A | N/A |
| 12.0 Variable White Double Row | 1.97 in. (50 mm) | 84 LEDs/ ft (280 LEDs/m) | 2000K + 6500K | 71 | 801 lm/ft (2628 lm/m) | 796 lm/ft (2611 lm/m) | 784 lm/ft (2572 lm/m) | 22 ft 11 in. (7 m) | ✓ | N/A | N/A |
| 1.0 Variable White Series 2 | 1.97 in. (50 mm) | 42 LEDs/ft (140 LEDs/m) | 2000K + 6500K | 85.0 | 78.2 lm/ft (257 lm/m) | 72.3 lm/ft (237 lm/m) | 60 lm/ft (200 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 | 80.0 | 220.8 lm/ft (725 lm/m) | 205.0 lm/ft (670 lm/m) | 168.0 lm/ft (551.2 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 | 75.0 | 415 lm/ft (1,362 lm/m) | 382.5 lm/ft (1255 lm/m) | 315.0 lm/ft (1033.5 lm/m) | 19 ft 8 in. (6 m) | ✓ | ✓ | ✓ |

## RIBBONLYTE SPECIFICATIONS & COMPATIBILITY

| Available Wattages | Cuttable Length | LED Pitch | Color Temp. | lm/W without Lens | Delivered Lumens with Clear Lens | Delivered Lumens with Frosted Lens | Delivered Lumens with Milky Lens | Max Length | Compatible with Channel | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | IP20 | IP65 | IP68 |
| 3.0 RGBW Double Row | 1.3 in. (33 mm) | 72 LEDs/ft (240 LEDs/m) | RGBW | 91 | 257 lm/ft (842 lm/m) All LEDs at 100% | 254 lm/ft (833 lm/m) All LEDs at 100% | 251 lm/ft (824 lm/m) All LEDs at 100% | 26 ft 3 in. (8 m) | ✓ | N/A | N/A |
| 3.0 RGBA Double Row | 1.3 in. (33 mm) | 72 LEDs/ft (240 LEDs/m) | RGBA | 78 | 257 lm/ft (842 lm/m) All LEDs at 100% | 254 lm/ft (833 lm/m) All LEDs at 100% | 251 lm/ft (824 lm/m) All LEDs at 100% | 26 ft 3 in. (8 m) | ✓ | N/A | N/A |
| 6.0 RGBW Double Row | 1.3 in. (33 mm) | 72 LEDs/ft (240 LEDs/m) | RGBW | 91 | 513 lm/ft (1684 lm/m) All LEDs at 100% | 518 lm/ft (1699 lm/m) All LEDs at 100% | 502 lm/ft (1648 lm/m) All LEDs at 100% | 22 ft 11 in. (7 m) | ✓ | N/A | N/A |
| 6.0 RGBA Double Row | 1.3 in. (33 mm) | 72 LEDs/ft (240 LEDs/m) | RGBA | 80 | 513 lm/ft (1684 lm/m) All LEDs at 100% | 518 lm/ft (1699 lm/m) All LEDs at 100% | 502 lm/ft (1648 lm/m) All LEDs at 100% | 22 ft 11 in. (7 m) | ✓ | N/A | N/A |
| 12.0 RGBW Double Row | 1.3 in. (33 mm) | 72 LEDs/ft (240 LEDs/m) | RGBW | 79 | 891 lm/ft (2924 lm/m) All LEDs at 100% | 882 lm/ft (2893 lm/m) All LEDs at 100% | 872 lm/ft (2862 lm/m) All LEDs at 100% | 14 ft 9 in. (4.5 m) | ✓ | N/A | N/A |
| 12.0 RGBA Double Row | 1.3 in. (33 mm) | 72 LEDs/ft (240 LEDs/m) | RGBA | 75 | 891 lm/ft (2924 lm/m) All LEDs at 100% | 882 lm/ft (2893 lm/m) All LEDs at 100% | 872 lm/ft (2862 lm/m) All LEDs at 100% | 14 ft 9 in. (4.5 m) | ✓ | N/A | N/A |
| 4.4 5-in-1 RGBWW | 2.46 in. (62.5 mm) | 29 LED/ft (96 LED/m) | RGBWW | 59 | 241.4 lm/ft (792.1 lm/m) All LEDs at 100% | 220.7 lm/ft (724.0 lm/m) All LEDs at 100% | 194.7 lm/ft (638.8 lm/m) All LEDs at 100% | 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 | 50 | 409.2 lm/ft (1342.6 lm/m) All LEDs at 100% | 374.0 lm/ft (1227.1 lm/m) All LEDs at 100% | 330.0 lm/ft (1082.7 lm/m) All LEDs at 100% | 11 ft 6 in (3.5 m) | ✓ | N/A | N/A |
| RGBW Addressable | 3.94 in. (100 mm) | 18 LEDs/ft (60 LEDs/m) | Red | 33.5 | 30.8 lm/ft (101.2 lm/m) | 28.5 lm/ft (93.5 lm/m) | 23.5 lm/ft (77 lm/m) | 16 ft 5.64 in. (5.02 m) | N/A | N/A | ✓ IP67 |
| | | | Green | 82 | 75.4 lm/ft (247.5 lm/m) | 69.7 lm/ft (228.7 lm/m) | 57.4 lm/ft (188.3 lm/m) | | | | |
| | | | Blue | 15.5 | 14.2 lm/ft (46.7 lm/m) | 13.2 lm/ft (43.2 lm/m) | 10.8 lm/ft (35.6 lm/m) | | | | |
| | | | White | 103 | 94.8 lm/ft (310.9 lm/m) | 87.6 lm/ft (287.3 lm/m) | 72.1 lm/ft (236.6 lm/m) | | | | |
| | | | All | 40 | 222.8 lm/ft (730.8 lm/m) | 205.8 lm/ft (675.2 lm/m) | 169.5 lm/ft (556.1 lm/m) | | | | |
| 5.2 Warm Dim | 3.94 in. (100 mm) | 36 LEDs/ft (120 LEDs/m) | WARM DIM | 55 | 263.1 lm/ft (863 lm/m) | 244.8 lm/ft (803.25 lm/m) | 201.6 lm/ft (661.5 lm/m) | 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 RibbonLyte | | | Static White Double Row | Color Changing RibbonLyte | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.75/1.5/2.2 | 3.0/4.4 | 5.0/6.0 | 3.0/6.0/12.0 | 4.4 RGBW Series 2 | 5.5 RGBW Series 2 | 8.8 RGBW Series 2 | 3.0/6.0/12.0 RGBW/A Double Row | 4.4 5-in-1 RGBWW | 8.8 5-in-1 RGBWW | Warm Dim | Variable White Series 2 | 3.0/6.0/12.0 Variable White Double Row | RGBW Addressable |
| IP20 IP65 IP68 | IP20 IP65 IP68 | IP20 IP65 IP68 | IP20 | IP20 | IP65 IP68 | IP20 | IP20 | IP20 | IP20 | IP20 IP65 IP68 | IP20 IP65 IP68 | IP20 | IP67 |
| N | N | N | N | N | N | N | N | N | N | N | 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 W)
- DRVW2460 (60 W)
- DRVW2496 (96 W)

24 VDC
120-277 VAC
IP65, dry/damp locations
UL Listed

**240W, 320W Non-Dimming Electronic Drivers**

Part No.:
- DRVW24240 (240 W)
- DRVW24320 (320 W)

24 VDC
90-305 VAC
IP65, dry/damp locations
UL Recognized

**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

## 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

## 0-10V VW/WD

**0-10V Dimmable 90W VW/WD Driver**

Part No.:
- DRVRFWDVW2490120

24 VDC
100-277 VAC
IP23, dry/damp locations
UL Listed

## 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

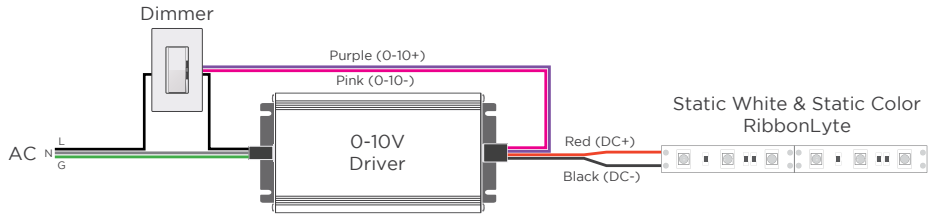
**DMX OPTO SPLITTER**
Part No.: DMXOS8

## DRIVER AND RIBBONLYTE AT FULL LOAD

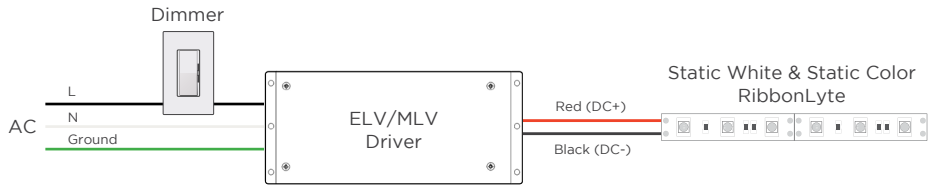
| Wattages | 30 | | 60 | | 96 | | 150 | | 200 | | 240 | | 300 | | 320 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Wire Gauge | Feet | Meters | Feet | Meters | Feet | Meters | Feet | Meters | Feet | Meters | Feet | Meters | Feet | Meters | Feet | Meters |
| 24 AWG / 0.25 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

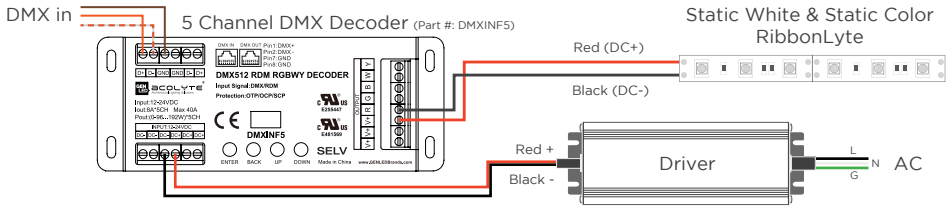
## 0-10 V



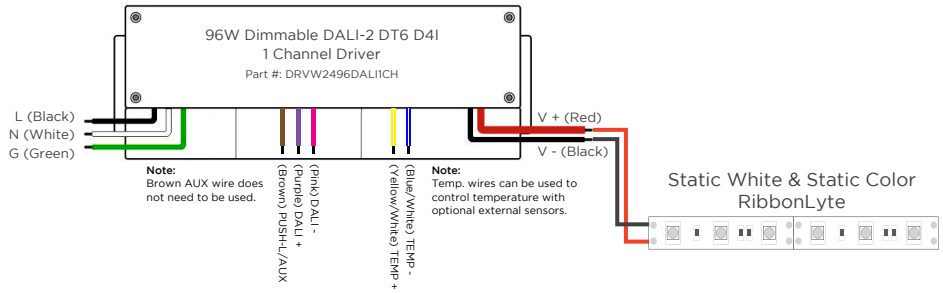

## MLV / ELV



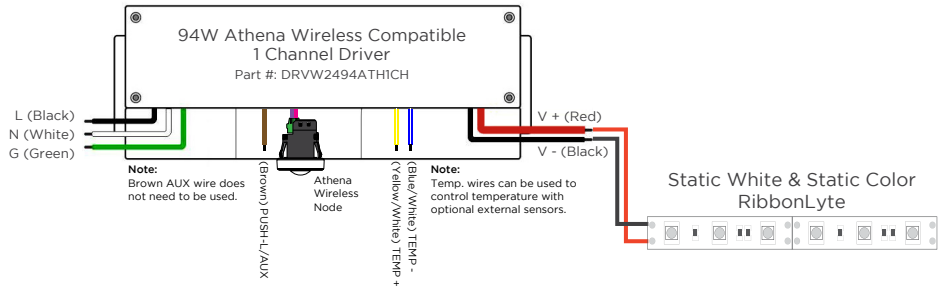

## DMX WIRING WITH STATIC WHITE & STATIC COLOR RIBBONLYTE



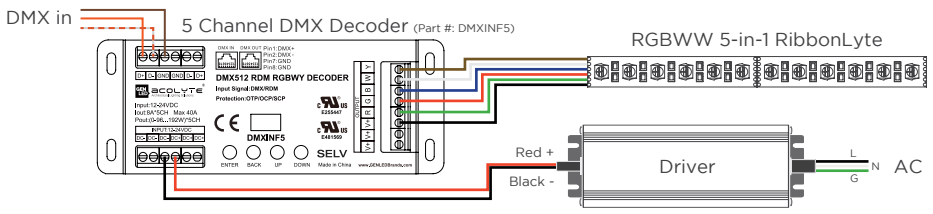

## DALI-2 WIRING WITH STATIC WHITE & STATIC COLOR RIBBONLYTE




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




## DMX WITH RGBWW 5-IN-1 RIBBONLYTE




## WIRE COLORS PER RIBBONLYTE COLOR

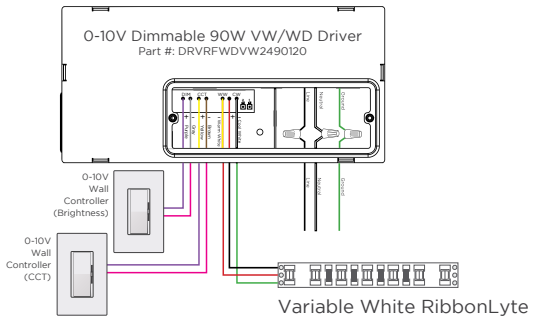
**STATIC WHITE + STATIC COLOR**
Red Wire (+) Positive
Black Wire (-) Negative

**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

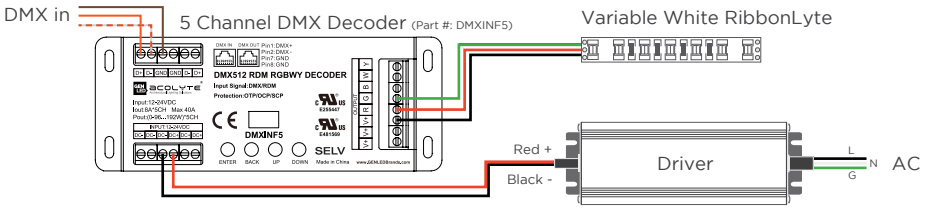
**RGBWW**
Black (+) Positive
Green Wire (-) goes to Green Channel
Red Wire (-) goes to Red Channel
Blue Wire (-) goes to Blue Channel
White Wire (-) goes to White Channel 1
Brown Wire (-) goes to White Channel 2

# WIRING DIAGRAMS - VARIABLE WHITE

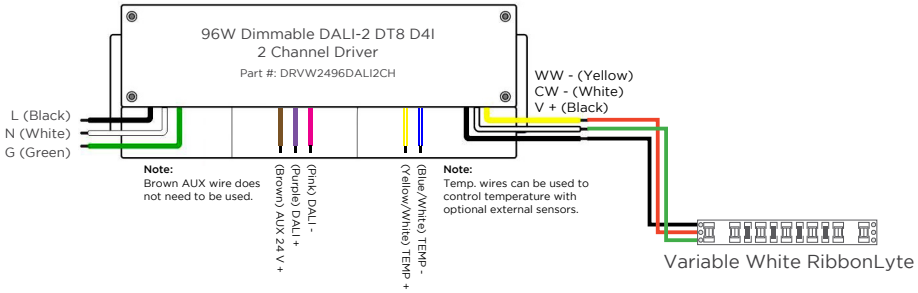
## 2-CHANNEL VARIABLE WHITE DIMMING



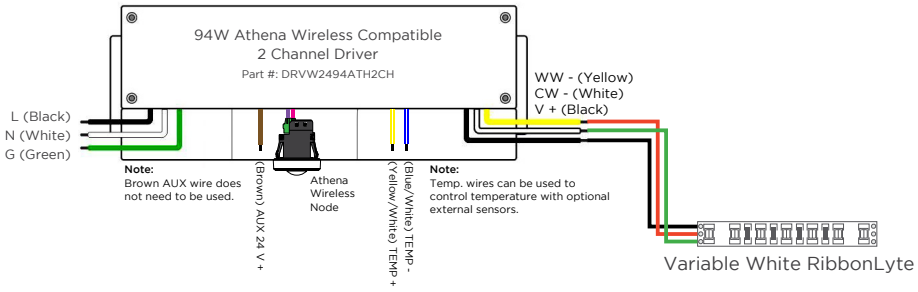

## DMX WIRING WITH VARIABLE WHITE RIBBONLYTE




## DALI-2 WIRING WITH VARIABLE WHITE RIBBONLYTE




## VARIABLE WHITE RIBBONLYTE WIRING WITH ATHENA WIRELESS COMPATIBLE DRIVER




## WIRE COLORS PER RIBBONLYTE COLOR

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

## WIRING DIAGRAMS WITH RGBW ADDRESSABLE RIBBONLYTE

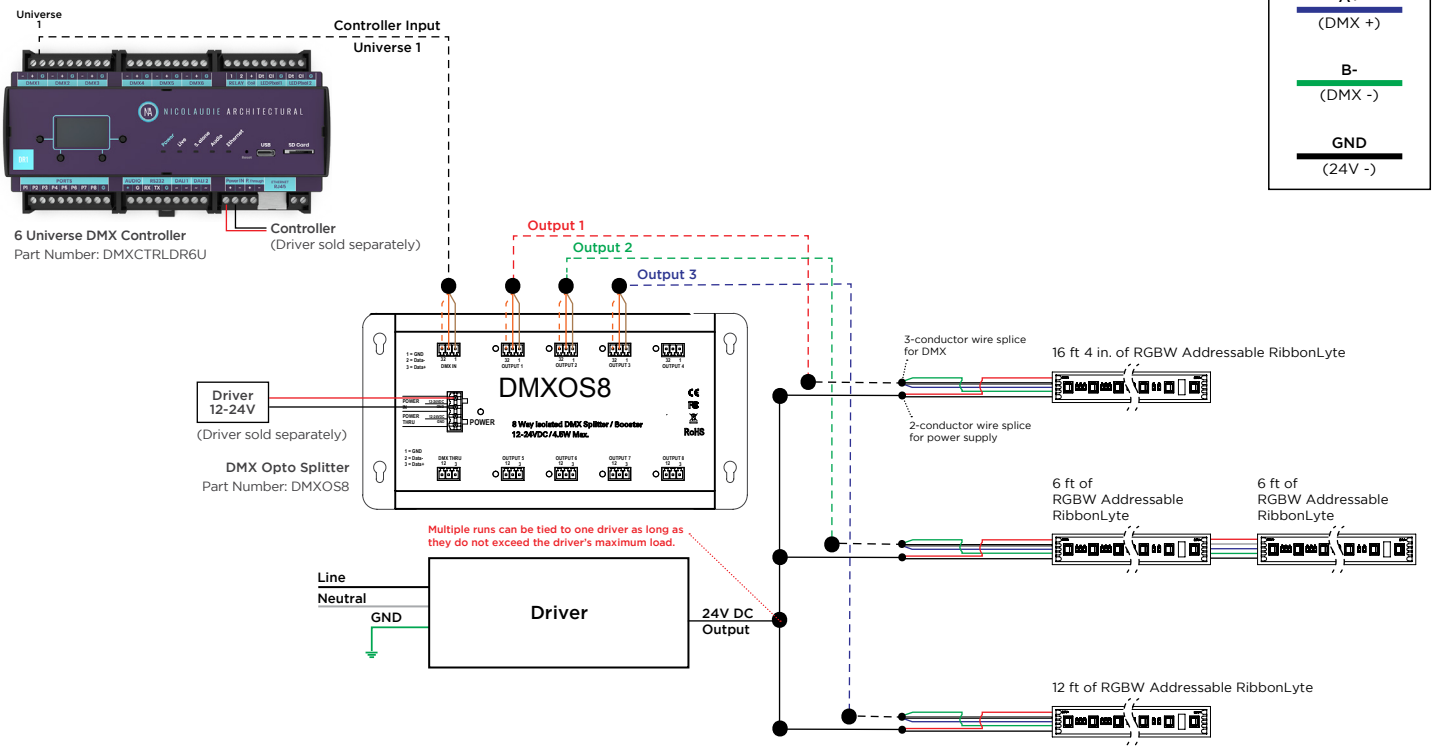
**One DMX Universe consists of 128 addresses and 512 channels (42 ft, 8 in. of RibbonLyte).**

Any single run of RibbonLyte that is less than 16 ft, 4 in. can be wired directly to the controller.

For additional runs, Opto Splitter must be used. Each individual run will need its own Opto Splitter output.

**WIRE INDEX**

- \+ (24V +)
- PI (DMX GND)
- A+ (DMX +)
- B- (DMX -)
- GND (24V -)

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### 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