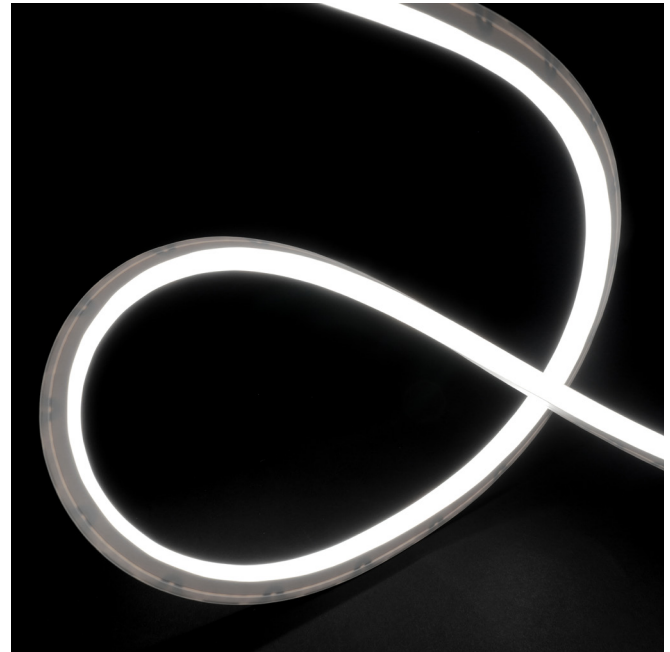
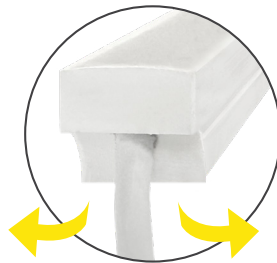


## NEON APEX DUAL PRO

The Neon Apex Dual Pro is a unique flexible polyurethane LED neon fixture that offers both top-bending and side-bending capabilities. Create stunning neon lines that curve around difficult shapes with incredible protection from the elements! Available in 7 Static White CCTs, Variable White and color changing RGBW, Neon Apex Dual Pro is rated IP69 for dry, damp and wet locations.

- Top-bending AND side-bending LED neon
- Static White (2200K, 2400K, 2700K, 3000K, 3500K, 4000K, 6000K)  
3.8 W/ft (12.5 W/m), 44 lm/W  
169 lm/ft (554.1 lm/m) at 3000K  
2.18 in. (55.55 mm) increments  
32 ft 9.7 in. (10 m) max. run length
- Variable White (2400K-6000K)  
3.8 W/ft (12.5 W/m), 41 lm/W  
159 lm/ft (521.9 lm/m) all on  
2.18 in. (55.55 mm) increments  
16 ft 4.8 in. (5 m) max. run length
- RGBW (2700K, 3000K, 4000K)  
4.1 W/ft (13.4 W/m), 37 lm/W  
151 lm/ft (494.5 lm/m) all on  
2.81 in. (71.43 mm) increments  
16 ft 4.8 in. (5 m) max. run length
- Top bend radius: 3.94 in. (100 mm)
- Side bend radius: 9.84 in. (250 mm)
- 115° beam angle

**All-in-1 end cap design**  
for side, bottom or end feed



RoHS

IP69

IK08



## ORDERING GUIDE

| Category                          | Wattage & Color                          |                                          |                                                                 |
|-----------------------------------|------------------------------------------|------------------------------------------|-----------------------------------------------------------------|
| <b>NLADP</b>                      |                                          |                                          |                                                                 |
| <b>NLADP - Neon Apex Dual Pro</b> | <b>3.822</b> - 3.8 W/ft (12.5 W/m) 2200K | <b>3.835</b> - 3.8 W/ft (12.5 W/m) 3500K | <b>3.8VW</b> - 3.8 W/ft (12.5 W/m) Variable White (2400K-6000K) |
|                                   | <b>3.824</b> - 3.8 W/ft (12.5 W/m) 2400K | <b>3.840</b> - 3.8 W/ft (12.5 W/m) 4000K | <b>4.1RGB27</b> - 4.1 W/ft (13.4 W/m) RGB+White (2700K)         |
|                                   | <b>3.827</b> - 3.8 W/ft (12.5 W/m) 2700K | <b>3.860</b> - 3.8 W/ft (12.5 W/m) 6000K | <b>4.1RGB30</b> - 4.1 W/ft (13.4 W/m) RGB+White (3000K)         |
|                                   | <b>3.830</b> - 3.8 W/ft (12.5 W/m) 3000K |                                          | <b>4.1RGB40</b> - 4.1 W/ft (13.4 W/m) RGB+White (4000K)         |

### Mounting

Mounting Clips

Recommended for curved applications with 6 in. (150 mm) center-to-center spacing  
(Part #: NLADPCLIP)

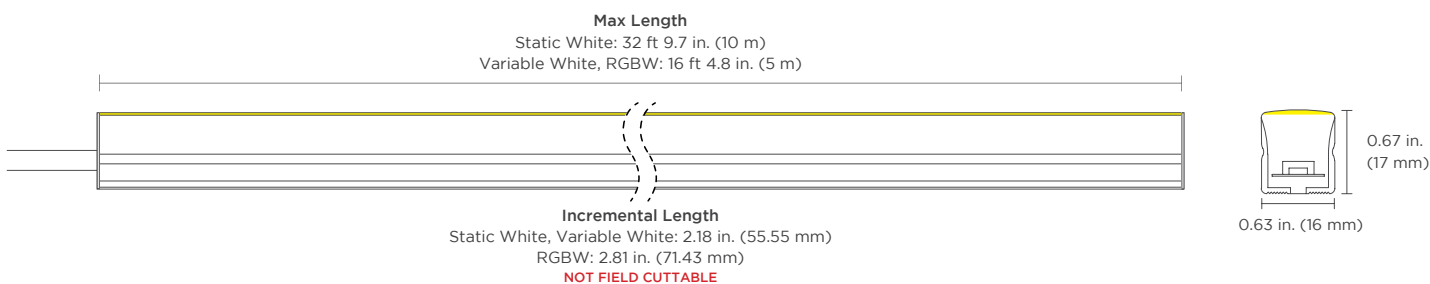
## AVAILABLE COLORS AND COLOR TEMPERATURES



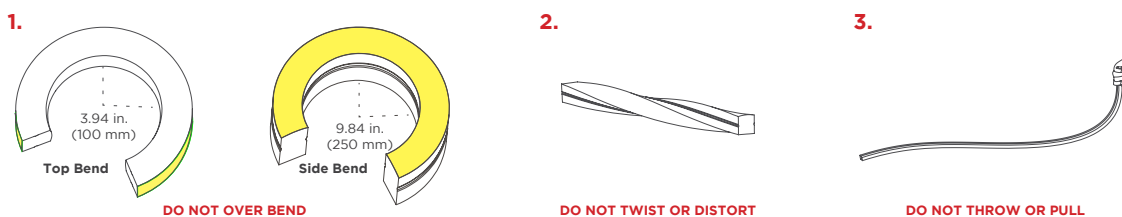
## SPECIFICATIONS

| SPECIFICATIONS              | NEON APEX DUAL PRO                                                                                                                                                                                                      |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Operating Voltage           | 24 VDC                                                                                                                                                                                                                  |
| Power Consumption           | Static White, Variable White: 3.8 W/ft (12.5 W/m)<br>RGBW: 4.1 W/ft (13.4 W/m)                                                                                                                                          |
| Protection Rating           | IP69                                                                                                                                                                                                                    |
| Beam Angle                  | 115°                                                                                                                                                                                                                    |
| LED Pitch                   | 29 LEDs/ft (96 LEDs/m)                                                                                                                                                                                                  |
| Dimming                     | ELV / MLV / 0-10 Volt / DMX                                                                                                                                                                                             |
| Operating Temperature       | -4° F to 140° F (-20° C to 60° C)                                                                                                                                                                                       |
| Color Temperatures / Colors | 2200K, 2400K, 2700K, 3000K, 3500K, 4000K, 6000K,<br>Variable White (2400K-6000K), RGBW (2700K, 3000K, 4000K)                                                                                                            |
| Lamp Life                   | 50,000 Hours                                                                                                                                                                                                            |
| Max Length                  | Static White: 32 ft 9.7 in. (10 m)<br>Variable White, RGBW: 16 ft 4.8 in. (5 m)                                                                                                                                         |
| Incremental Length          | Static White, Variable White: 2.18 in. (55.55 mm)<br>RGBW: 2.81 in. (71.43 mm)<br><b>NOT FIELD CUTTABLE</b>                                                                                                             |
| Power Cable Length          | Standard: 12 in (304.8 mm) / Custom: up to 20 ft (6 m)                                                                                                                                                                  |
| UV Resistant                | UV tested in accordance with ISO 4892-3 with no visible change on the appearance of the sample                                                                                                                          |
| Minimum Bend Radius         | Top bend radius: 3.94 in. (100 mm)<br>Side bend radius: 9.84 in. (250 mm)                                                                                                                                               |
| CRI (white)                 | 90+ CRI                                                                                                                                                                                                                 |
| Lumens                      | <b>3.8 Static White</b><br>3000K: 169 lm/ft (554.1 lm/m), 44 lm/W                                                                                                                                                       |
|                             | <b>3.8 Variable White</b><br>Cool White: 89 lm/ft (291.5 lm/m), 45 lm/W / Warm White: 71 lm/ft (232.9 lm/m), 36 lm/W<br>All On: 159 lm/ft (521.9 lm/m), 41 lm/W                                                         |
|                             | <b>4.1 RGBW</b><br>Red: 24 lm/ft (80.2 lm/m), 24 lm/W / Green: 68 lm/ft (223.2 lm/m), 66 lm/W<br>Blue: 12 lm/ft (39.4 lm/m), 12 lm/W / White: 48 lm/ft (157.7 lm/m), 47 lm/W<br>All On: 151 lm/ft (494.5 lm/m), 37 lm/W |

## DIMENSIONS



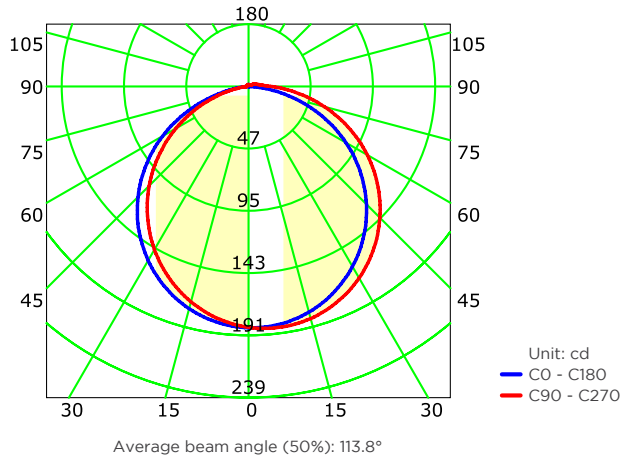
## WARNINGS



## ACCESSORIES



LUMINOUS INTENSITY DISTRIBUTION - STATIC WHITE (3000K)

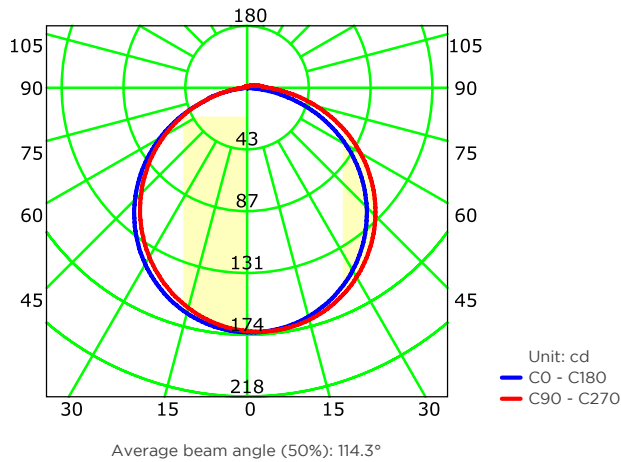


LUX - STATIC WHITE (3000K)

Flux Out: 103.33 lm

| Height          | Avg / Nadir, E     | Beam Angle: 50° | Diameter/Area      |
|-----------------|--------------------|-----------------|--------------------|
| 3.28 ft (1 m)   | 151.26 / 185.53 lx |                 | 0.93 m / 0.68 sqm  |
| 6.56 ft (2 m)   | 37.81 / 46.38 lx   |                 | 1.87 m / 2.73 sqm  |
| 9.84 ft (3 m)   | 16.81 / 20.61 lx   |                 | 2.8 m / 6.15 sqm   |
| 13.12 ft (4 m)  | 9.45 / 11.60 lx    |                 | 3.73 m / 10.93 sqm |
| 16.4 ft (5 m)   | 6.05 / 7.42 lx     |                 | 4.66 m / 17.08 sqm |
| 19.69 ft (6 m)  | 4.20 / 5.15 lx     |                 | 5.6 m / 24.59 sqm  |
| 26.25 ft (8 m)  | 2.36 / 2.90 lx     |                 | 7.46 m / 43.72 sqm |
| 29.53 ft (9 m)  | 1.87 / 2.29 lx     |                 | 8.39 m / 55.33 sqm |
| 32.81 ft (10 m) | 1.51 / 1.86 lx     |                 | 9.33 m / 68.31 sqm |

LUMINOUS INTENSITY DISTRIBUTION - VARIABLE WHITE

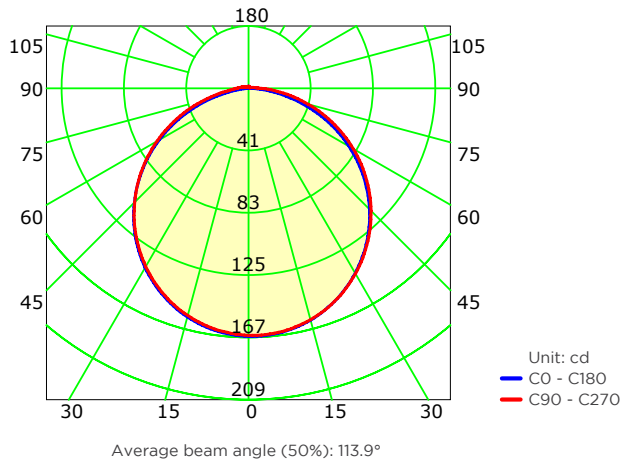


LUX - VARIABLE WHITE

Flux Out: 96.37 lm

| Height         | Avg / Nadir, E     | Beam Angle: 50° | Diameter/Area      |
|----------------|--------------------|-----------------|--------------------|
| 3.28 ft (1 m)  | 141.08 / 173.49 lx |                 | 0.93 m / 0.68 sqm  |
| 6.56 ft (2 m)  | 35.27 / 43.37 lx   |                 | 1.87 m / 2.73 sqm  |
| 9.84 ft (3 m)  | 15.68 / 19.28 lx   |                 | 2.80 m / 6.15 sqm  |
| 13.12 ft (4 m) | 8.82 / 10.84 lx    |                 | 3.73 m / 10.93 sqm |
| 16.4 ft (5 m)  | 5.64 / 6.94 lx     |                 | 4.66 m / 17.08 sqm |
| 19.69 ft (6 m) | 3.92 / 4.82 lx     |                 | 5.60 m / 24.59 sqm |
| 22.97 ft (7 m) | 2.88 / 3.54 lx     |                 | 6.53 m / 33.47 sqm |
| 26.25 ft (8 m) | 2.20 / 2.71 lx     |                 | 7.46 m / 43.72 sqm |
| 29.53 ft (9 m) | 1.74 / 2.14 lx     |                 | 8.39 m / 55.33 sqm |
| 32.8 ft (10 m) | 1.41 / 1.73 lx     |                 | 9.33 m / 68.13 sqm |

LUMINOUS INTENSITY DISTRIBUTION - RGBW (3000K)



LUX - RGBW (3000K) ALL LEDs ON

Flux Out: 92.51 lm

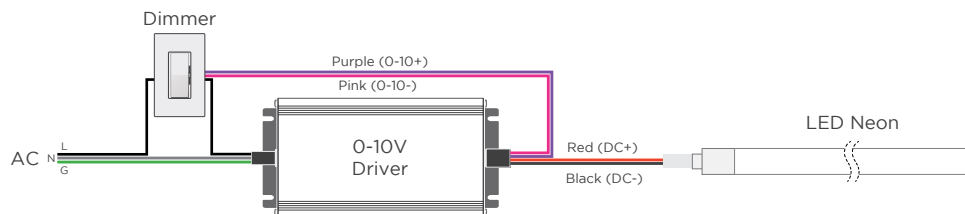
| Height         | Avg / Nadir, E     | Beam Angle: 50° | Diameter/Area      |
|----------------|--------------------|-----------------|--------------------|
| 3.28 ft (1 m)  | 135.42 / 166.62 lx |                 | 0.93 m / 0.68 sqm  |
| 6.56 ft (2 m)  | 33.86 / 41.65 lx   |                 | 1.87 m / 2.73 sqm  |
| 9.84 ft (3 m)  | 15.05 / 18.51 lx   |                 | 2.80 m / 6.15 sqm  |
| 13.12 ft (4 m) | 8.46 / 10.41 lx    |                 | 3.73 m / 10.93 sqm |
| 16.4 ft (5 m)  | 5.42 / 6.66 lx     |                 | 4.66 m / 17.08 sqm |
| 19.69 ft (6 m) | 3.76 / 4.63 lx     |                 | 5.60 m / 24.59 sqm |
| 22.97 ft (7 m) | 2.76 / 3.4 lx      |                 | 6.53 m / 33.47 sqm |
| 26.25 ft (8 m) | 2.12 / 2.6 lx      |                 | 7.46 m / 43.72 sqm |
| 29.53 ft (9 m) | 1.67 / 2.06 lx     |                 | 8.39 m / 55.33 sqm |
| 32.8 ft (10 m) | 1.35 / 1.67 lx     |                 | 9.33 m / 68.13 sqm |

## USAGE GUIDELINES / WIRING DIAGRAMS

- Neon Apex Dual Pro cannot be cut in the field. All custom cuts and connections for these models must be performed at the factory to ensure waterproofing standards are met. Any modification of the waterproofing will result in a voided warranty.
- When installing this product take into account the surface temperature of the material this product is mounted to. Many building surfaces which are exposed to direct sunlight exceed the 140 °F/60 °C maximum that our product is rated for. High-risk locations like this should be avoided.
- This product is not intended to be submerged in pools and fountains and does not carry UL 676 certification to do so.
- This product is not intended to be submerged in pools and fountains and does not carry UL 676 certification to do so. Available for download at: [www.AcolyteLED.com](http://www.AcolyteLED.com)
- Compatible with a wide variety of control products including the entire line of Lutron dimming systems.
- For use with Acolyte drivers, triac dimming modules, and 0-10 modules.
- Use with non-Acolyte triac, MLV or ELV drivers is not supported or warrantied
- Due to the cuttable points inside, this product's cuttable lengths are generally longer or shorter than the customer requested length. Unless specified, this product is factory cut at the shorter cuttable point
- This product can be used in wet, outdoor locations around swimming pools and spa tubs, but not submerged in swimming pools and spa tubs.
- We reserve the right to make changes to product lineup, specifications, design and finishes at any time without notice.

Acolyte does not warrant or represent that the information is free from errors or omission. The information may change without notice and Acolyte is not in any way liable for the accuracy of any information printed and stored or in any way interpreted or used.

### 0-10V



### WIRE COLORS PER RIBBONLYTE COLOR

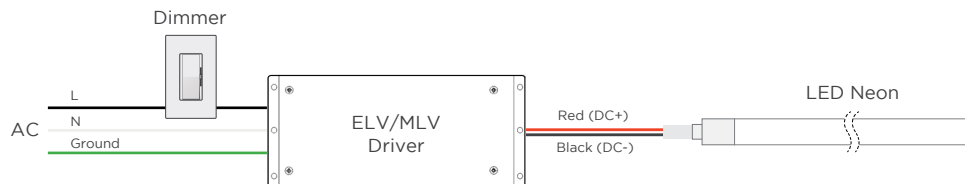
#### STATIC WHITE

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

#### RGBW

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

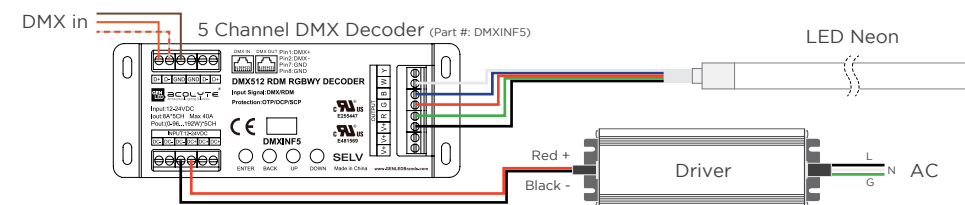
### MLV / ELV



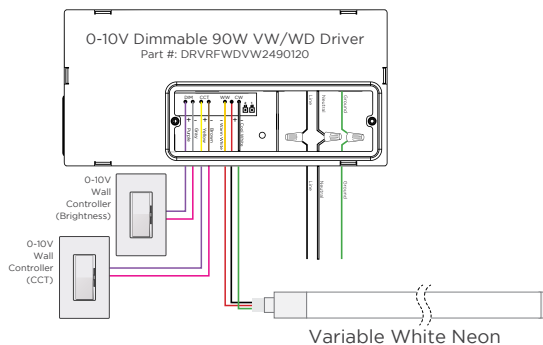
#### VARIABLE WHITE

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

### DMX



### 2-CHANNEL VARIABLE WHITE DIMMING



### VARIABLE WHITE - DMX WIRING DIAGRAM

