

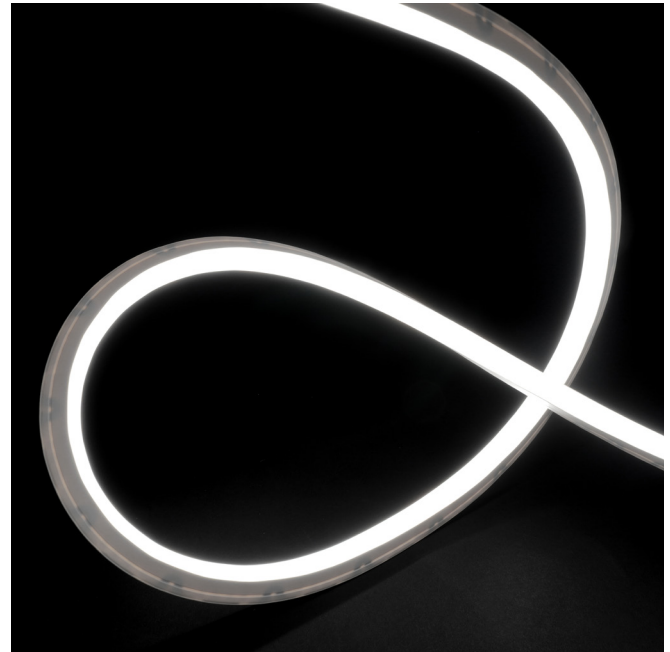


Date	Project
Notes	

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



RoHS

IP69

IK08



ORDERING GUIDE

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

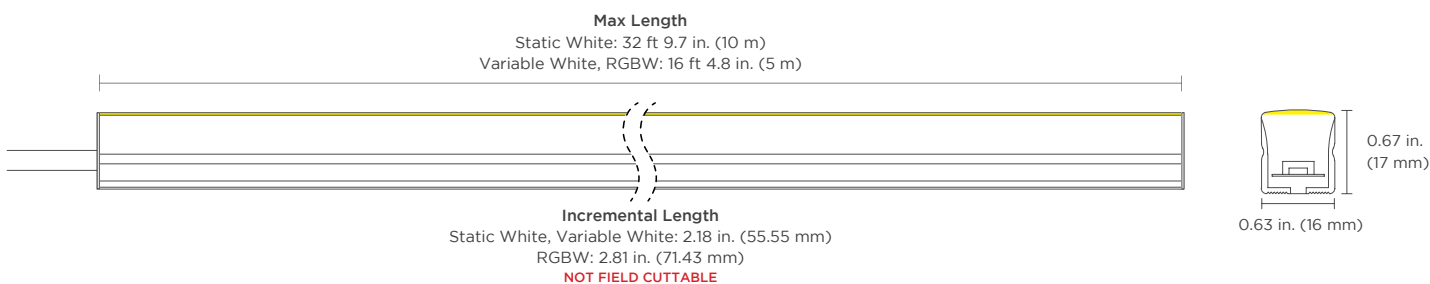
AVAILABLE COLORS AND COLOR TEMPERATURES



SPECIFICATIONS

SPECIFICATIONS	NEON APEX DUAL PRO
Operating Voltage	24 VDC
Power Consumption	Static White, Variable White: 3.8 W/ft (12.5 W/m) 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, Variable White (2400K-6000K), RGBW (2700K, 3000K, 4000K)
Lamp Life	50,000 Hours
Max Length	Static White: 32 ft 9.7 in. (10 m) Variable White, RGBW: 16 ft 4.8 in. (5 m)
Incremental Length	Static White, Variable White: 2.18 in. (55.55 mm) RGBW: 2.81 in. (71.43 mm) NOT FIELD CUTTABLE
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) Side bend radius: 9.84 in. (250 mm)
CRI (white)	90+ CRI
Lumens	3.8 Static White 3000K: 169 lm/ft (554.1 lm/m), 44 lm/W
	3.8 Variable White Cool White: 89 lm/ft (291.5 lm/m), 45 lm/W / Warm White: 71 lm/ft (232.9 lm/m), 36 lm/W All On: 159 lm/ft (521.9 lm/m), 41 lm/W
	4.1 RGBW Red: 24 lm/ft (80.2 lm/m), 24 lm/W / Green: 68 lm/ft (223.2 lm/m), 66 lm/W Blue: 12 lm/ft (39.4 lm/m), 12 lm/W / White: 48 lm/ft (157.7 lm/m), 47 lm/W All On: 151 lm/ft (494.5 lm/m), 37 lm/W

DIMENSIONS



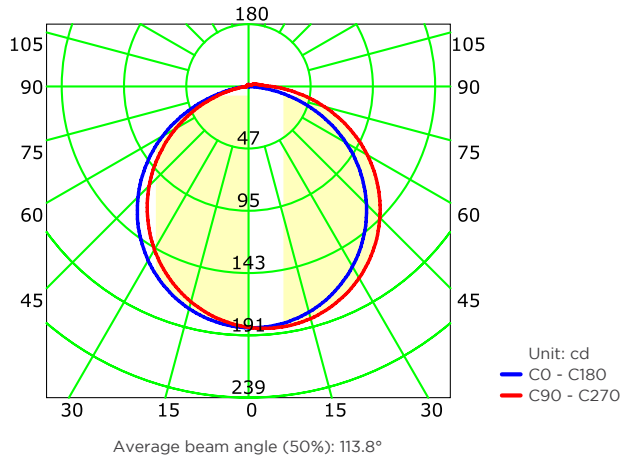
WARNINGS

- 1.** **DO NOT OVER BEND**
- 2.** **DO NOT TWIST OR DISTORT**
- 3.** **DO NOT THROW OR PULL**

ACCESSORIES



LUMINOUS INTENSITY DISTRIBUTION - STATIC WHITE (3000K)

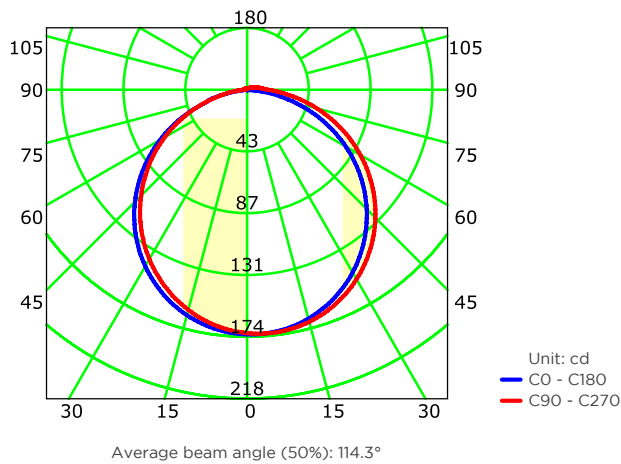


LUX - STATIC WHITE (3000K)

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

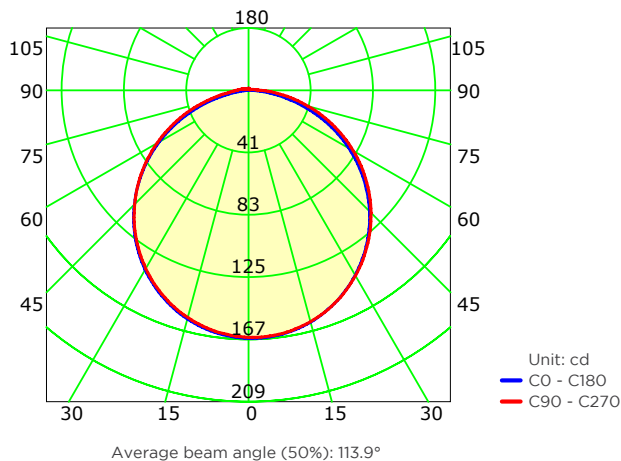


LUX - VARIABLE WHITE

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

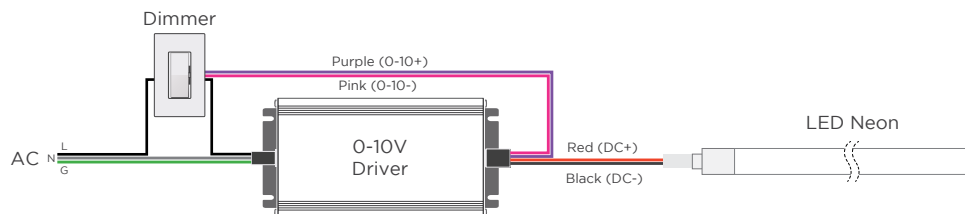
Height	Avg / Nadir, E	Beam Angle: 50°	Diameter/Area
3.28 ft (1 m)	135.42 / 166.62 lx		0.93 m / 0.68 sqm
6.56 ft (2 m)	33.86 / 41.65 lx		1.87 m / 2.73 sqm
9.84 ft (3 m)	15.05 / 18.51 lx		2.80 m / 6.15 sqm
13.12 ft (4 m)	8.46 / 10.41 lx		3.73 m / 10.93 sqm
16.4 ft (5 m)	5.42 / 6.66 lx		4.66 m / 17.08 sqm
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
- 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.

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0-10V



WIRE COLORS PER RIBBONLYTE COLOR

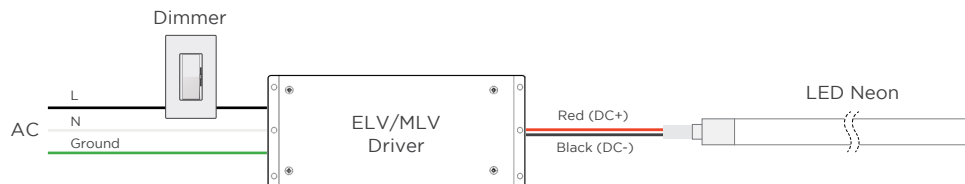
STATIC WHITE

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

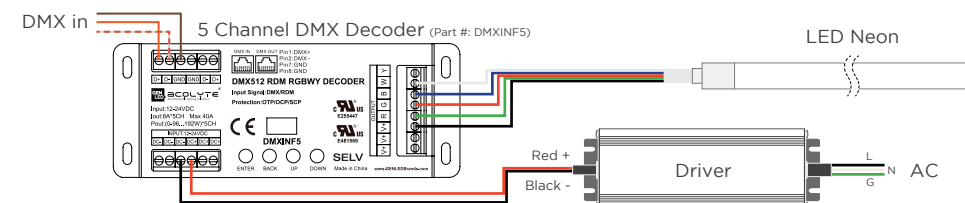
MLV / ELV



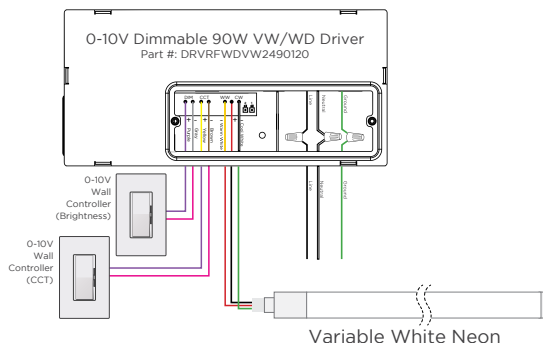
VARIABLE WHITE

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

