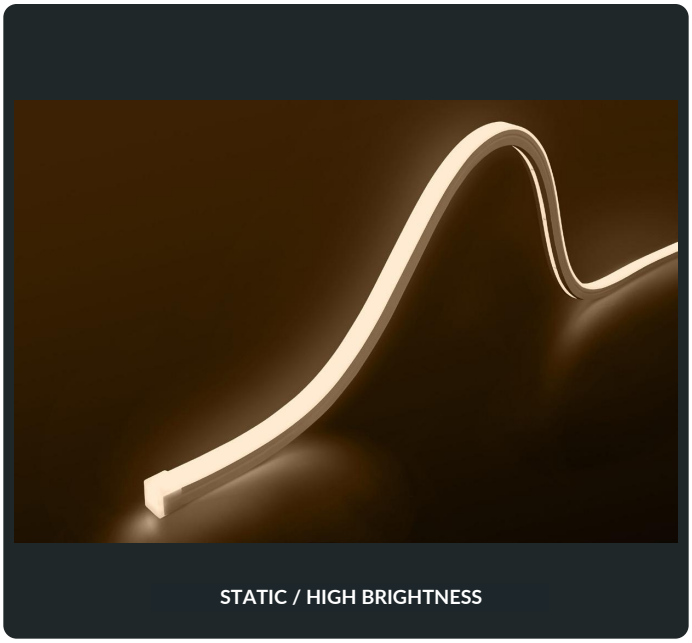
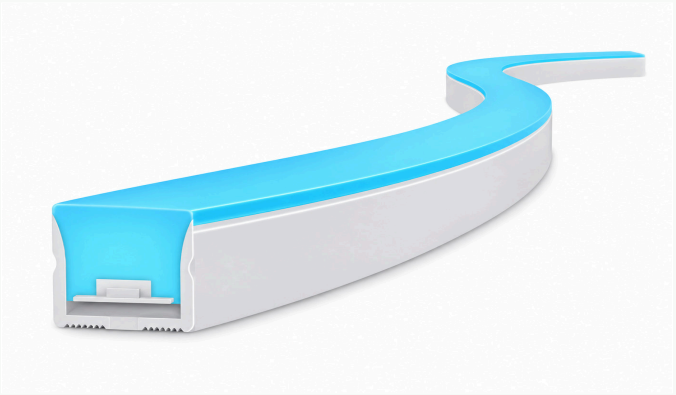
PS-777

PROSERIES LED NEON

PROSERIES LED NEON | STATIC, RGB, RGBW & ADDRESSABLE PIXEL



STATIC / HIGH BRIGHTNESS



RGB(W) / PIXEL CONFIGURATION

ARCHITECTURAL FLEXIBLE LED NEON

The Neotek PS-777 is a flexible 24 VDC LED neon system for distinctive architectural outlines, curved accents and direct-view color effects. Specify static white or static colors, RGB/RGBW, or an addressable pixel configuration for programmable lighting.

STATIC / WHITE CONFIGURATIONS

High Brightness: 15.36 W/m (4.68 W/ft).
Long Run: 9.60 W/m (2.93 W/ft).
Constant-current or constant-voltage electrical designs. 16 x 17 mm nominal profile; up to 120-degree beam; top and side bending.

RGB / RGBW / PIXEL

RGB and RGBW available as project-selected options.
Pixel option: 3.66 W/ft; 24 VDC addressable control.
All variants share the nominal 16 x 17 mm profile.
LED output and control requirements vary by configuration.

PROTECTION & CONTROLS

24 VDC remote power. Static designs: IP68 / IK10 reference construction, with compatible drivers and dimming interface. Pixel design: IP68, with programmable pixel control and compatible DMX/PWM interfaces. Outdoor and wet-location installations require approved sealing, wiring and mounting details.

IMPORTANT: Static, RGB/RGBW and pixel variants share the same profile; performance varies.

Neotek LIGHTING

PS-777

PROSERIES LED NEON

STATIC WHITE & COLOR | CONSTANT-CURRENT PERFORMANCE

CONSTANT CURRENT | HIGH BRIGHTNESS & LONG RUN

24 VDC | CRI >80 FOR WHITE | NOMINAL LED STRIP OUTPUT (LM/M)

HIGH BRIGHTNESS - STATIC WHITE

CCT	LM/M	LM/W	W/FT
2700K	800	52	4.68
3000K	823	54	4.68
3500K	853	56	4.68
4000K	866	56	4.68
5000K	868	57	4.68
6500K	865	56	4.68

LONG RUN - STATIC WHITE

CCT	LM/M	LM/W	W/FT
2700K	458	48	2.93
3000K	470	49	2.93
3500K	478	50	2.93
4000K	487	51	2.93
4500K	487	51	2.93
6000K	482	50	2.93

STATIC COLOR LED PERFORMANCE | CONSTANT CURRENT

HIGH BRIGHTNESS - STATIC COLORS

COLOR	LM/M	LM/W	W/FT
Red	164	11	4.68
Green	357	23	4.68
Blue	72	5	4.68
Yellow	147	10	4.68
Orange	198	13	4.68

LONG RUN - STATIC COLORS

COLOR	LM/M	LM/W	W/FT
Red	101	11	2.93
Green	255	27	2.93
Blue	46	5	2.93
Yellow	104	11	2.93
Orange	137	14	2.93

CURRENT LIMITING & OPERATING CHARACTERISTICS

Constant-current versions are listed as non-dimmable. High Brightness and Long Run versions operate at nominal 15.36 W/m and 9.60 W/m, respectively. LED density is 96 LEDs/m; minimum cutting increment is 62.5 mm. The original white/color rows represent nominal output; do not apply them to RGBW or addressable pixel modes.

Neotek LIGHTING

PS-777

PROSERIES LED NEON

STATIC WHITE | CONSTANT-VOLTAGE PERFORMANCE & CONTROLS

CONSTANT VOLTAGE | HIGH BRIGHTNESS & LONG RUN

24 VDC | CRI >80 FOR WHITE | NOMINAL LED STRIP OUTPUT (LM/M)

HIGH BRIGHTNESS - CV WHITE

CCT	LM/M	LM/W	W/FT
2700K	792	52	4.68
3000K	832	54	4.68
3500K	849	55	4.68
4000K	850	55	4.68
4500K	880	57	4.68
6000K	870	56	4.68

LONG RUN - CV WHITE

CCT	LM/M	LM/W	W/FT
2700K	498	51	2.93
3000K	527	54	2.93
3500K	540	56	2.93
4000K	545	56	2.93
4500K	547	57	2.93
6000K	531	55	2.93

ELECTRICAL CONFIGURATION OPTIONS

LED CONFIGURATION	ELECTRICAL TYPE	POWER	IP
Static white / static colors	Constant current or voltage	Per table	IP68
Standard RGB	Control-dependent	Confirm on quote	Confirm
Standard RGBW	Control-dependent	Confirm on quote	Confirm
RGB(W) addressable pixel	24 VDC constant voltage	3.66 W/ft	IP68

DIMMING AND CONTROL COORDINATION

For constant-voltage static products, compatible dimming interfaces include PWM, 0-10V, DALI, and DMX. Constant-current products are listed as non-dimmable. RGB, RGBW and pixel designs require matching control interfaces and channel/address configuration; confirm exact driver, controller and load for each project.

Specification note: The two supplied sheets do not provide separately verified full RGBW or non-addressable RGB power/lumen tables. Those values must be confirmed for the selected configuration before publication or installation.

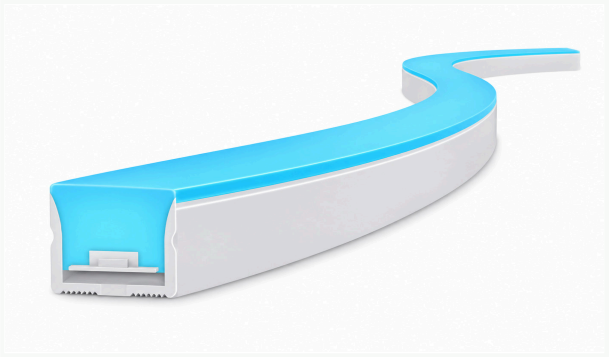
Neotek LIGHTING

PS-777

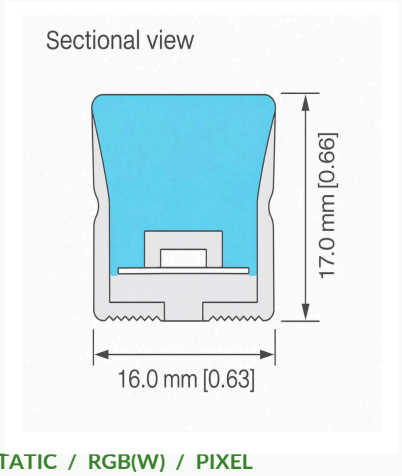
PROSERIES LED NEON

RGB / RGBW | ADDRESSABLE PIXEL PERFORMANCE

PS-777 | ADDRESSABLE RGB(W) PIXEL REFERENCE



SHARED PS-777 CROSS-SECTION



STATIC / RGB(W) / PIXEL

Renderings show color effects; the profile and sectional view apply to all configurations.

ADDRESSABLE PIXEL CONFIGURATION

LED operating voltage	24 VDC
Driver / pixel architecture	Constant voltage, addressable
Power consumption	3.66 W/ft (12.01 W/m)
LED package / density	SMD 5050 three-diode; 18 LEDs/ft
Addressable pitch	Approx. 5.5 in per address
Field cut increment	3.94 in / 100 mm
Nominal beam angle	270 degrees
Reel length / max stated run	16.4 ft (5 m) / 65.6 ft (20 m)
Environment / source warranty	IP68 damp/wet / 3 year limited

PIXEL LIGHT QUALITY

Encapsulated diffusion creates a smooth, direct-view glow. Red, green and blue channels support animated color patterns and control effects. The legacy sheet also references RGBW and white/mixed-color photometric points; specific white-emitter performance and addressing details should be confirmed for the ordered pixel engine.

Neotek LIGHTING

PS-777

PROSERIES LED NEON

PIXEL COLOR PERFORMANCE | RGB(W) MEASURED REFERENCE

PIXEL DIODE PHOTOMETRY | REPORTED TEST DATA

DIODE	PEAK NM	DOMINANT NM	LM/M	LM/W
Red	632.0	621.6	22	13.16
Green	516.2	521.5	90	25.18
Blue	462.5	466.7	18	4.11

WHITE / MIXED-COLOR REFERENCE POINTS

REFERENCE MODE	FLUX	EFFICACY	INDEX
2700K reported reference	152.25 lm/m	44.77 lm/W	CRI 71.4
RGB full intensity reported	130 lm/m	28.88 lm/W	CRI 74.3

The original data also reports a full-intensity mixed-color point of approximately 13,197K. Color-dependent performance and chromaticity can vary with controller settings, binning and the white-channel option. These readings are not a universal RGBW specification.

PIXEL CONTROL, INSTALLATION AND RUN LENGTH

Suggested control: DMX/PWM or other compatible pixel controller with the correct addressing/protocol for the selected engine. The older sheet also lists RF PWM, 0-10V, MLV and incandescent dimming compatibility; these depend on the actual controller and driver, and are not all directly interchangeable.

Power distribution: source reference shows up to a 20 m run. For constant-voltage products, voltage drop and injected power must be engineered; the source recommends feeding from both ends to minimize brightness loss. Confirm allowable maximum run and controller channel count with Neotek.

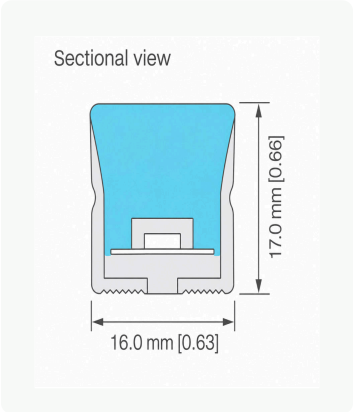
Reference maintenance: the older pixel document reports 75,000 hours, with 30% luminous flux loss and 10% chromaticity change at that interval. Treat this as legacy product data, not a warranty or a complete assembled-fixture lifetime certification.

PS-777

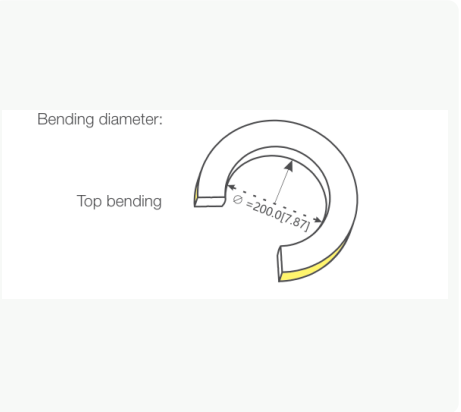
PROSERIES LED NEON

MECHANICAL PROFILES, BENDING & MOUNTING

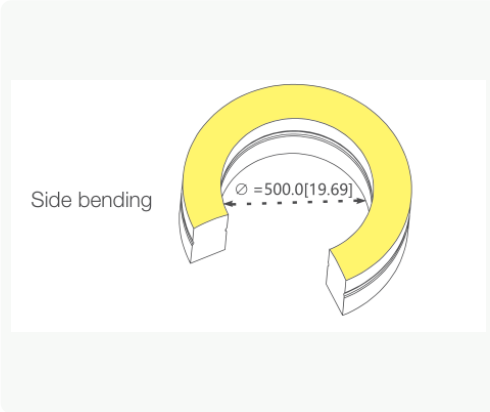
SHARED PROFILE | STATIC / RGB / RGBW / PIXEL | NOMINAL 16 X 17 MM



16 mm W x 17 mm H



TOP BENDING - REFERENCE



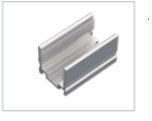
SIDE BENDING - REFERENCE

The sectional view and bending illustrations apply to static white, static colors, RGB/RGBW and addressable pixel. The shared PS-777 profile is nominally 16 mm wide x 17 mm high. Confirm allowable bending radius and sealing for the selected LED configuration.

SHARED MOUNTING METHODS & END-OUTLET OPTIONS



S-type mounting track



Aluminum mounting clip



Aluminum channel



Winged aluminum channel

Recessed track, aluminum channel, mounting clip and winged channel illustrations are applicable to static and pixel configurations. Final clips, end caps and finish are project-selected; contact Neotek.

COMMON PS-777 HOUSING | ALL LED CONFIGURATIONS

Static, RGB, RGBW and addressable-pixel versions use the same 16 x 17 mm physical fixture profile. All fixture section, mounting and bending illustrations on this page represent both static and pixel styles. LED technology, power density, photometrics and driver/control specifications vary by selected system.

Consult Neotek for approved bend radius, end sealing and installation by configuration.

PS-777

PROSERIES LED NEON

ELECTRICAL RUN DESIGN, SAFETY & TESTING

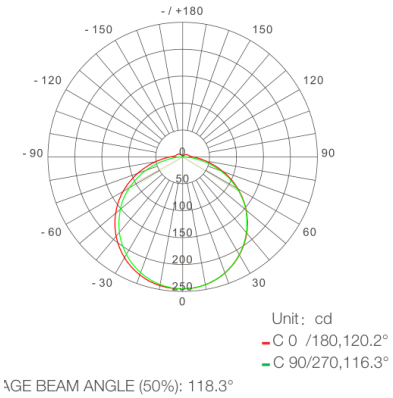
STATIC CONFIGURATIONS | POWER SUPPLY REFERENCE

TYPE	REFERENCE LENGTHS	MEASURED POWER	RECOMMENDED SUPPLY
CC High Brightness	1 m / 10 m	15.36 / 134 W	20 / 200 W
CC Long Run	1 m / 30 m	9.6 / 248.64 W	15 / 300 W
CV High Brightness	1 m / 10 m	15.36 / 129.6 W	20 / 200 W
CV Long Run	1 m / 15 m	9.6 / 127.2 W	15 / 200 W

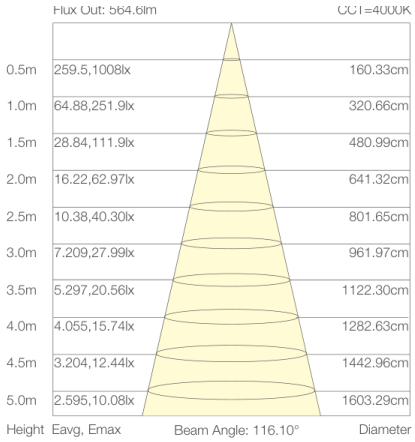
STATIC RUN LIMITS

Standard source run: 10 m High Brightness (CC or CV); 30 m Long Run CC; 15 m Long Run CV. All figures assume the specified feed and suitable power supply. Electrical loading, wiring length, voltage drop and heat must be reviewed for each installation.

LIGHT DISTRIBUTION | REFERENCE 4000K STATIC SAMPLE



AGE BEAM ANGLE (50%): 118.3°



Reported 50% intensity beam: 118.3 degrees, with C0 / C180 at 120.2 degrees.

Reference test is a 4000K constant-current sample; other variants may differ.

RELIABILITY / PROTECTION

Source static testing lists temperature cycling, high humidity, UV exposure, high-temperature aging, IPX8 immersion reference, impact (IK10), tensile and twist tests as passed. Product warranties stated in older sheets: static 5 years indoor / 3 years outdoor; pixel 3 years limited. Verify current Neotek terms and selected enclosure rating.

Neotek LIGHTING

PS-777

PROSERIES LED NEON

PROJECT CONFIGURATION & ORDERING SELECTIONS

PS-777 | NEOTEK PRODUCT SELECTION GUIDE

LED / COLOR CONFIGURATION

- ☐ Static white
- ☐ Static color
- ☐ RGB
- ☐ RGBW
- ☐ Addressable pixel RGB
- ☐ Addressable pixel RGBW

OUTPUT & ELECTRICAL (WHERE APPLICABLE)

- ☐ High Brightness
- ☐ Long Run
- ☐ Constant current
- ☐ Constant voltage

STATIC WHITE CCT / STATIC COLORS

- ☐ 2700K
- ☐ 3000K
- ☐ 3500K
- ☐ 4000K
- ☐ 4500K
- ☐ 5000K
- ☐ 6000K
- ☐ 6500K
- ☐ Other: ____
- ☐ Red
- ☐ Green
- ☐ Blue
- ☐ Yellow
- ☐ Orange

CONSTRUCTION / INSTALLATION

- ☐ Indoor
- ☐ Outdoor / wet
- ☐ Top bending
- ☐ Side bending
- ☐ Track / clip
- ☐ Aluminum channel
- ☐ Custom mounting

MOLDED SILICONE HOUSING / CONTROLS

Housing: Molded silicone - finish colors and applied finish options are not available.

Control method: _____

Requested length / qty: _____

Static, RGB/RGBW and addressable pixel versions share the molded silicone fixture profile.
Electrical specifications and control requirements vary by selected configuration.