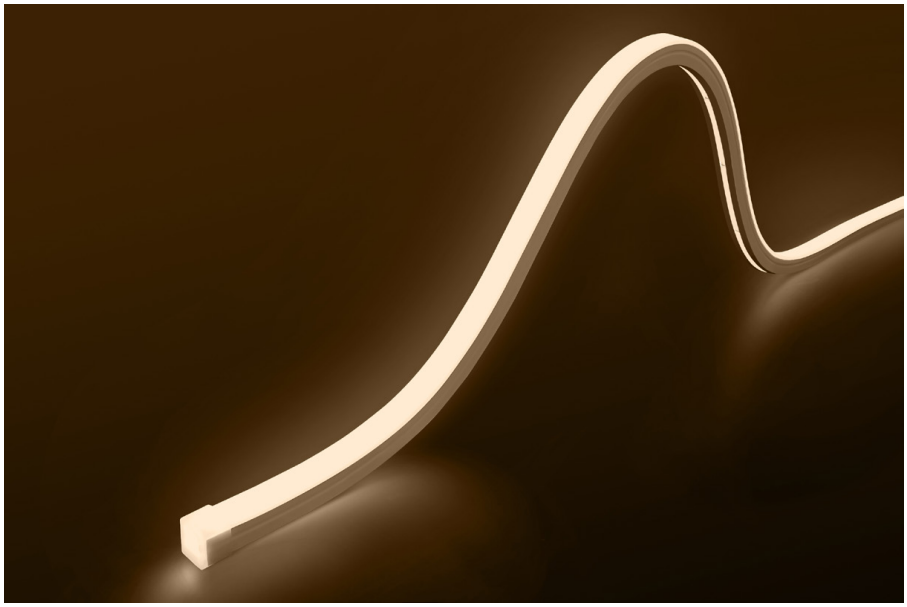
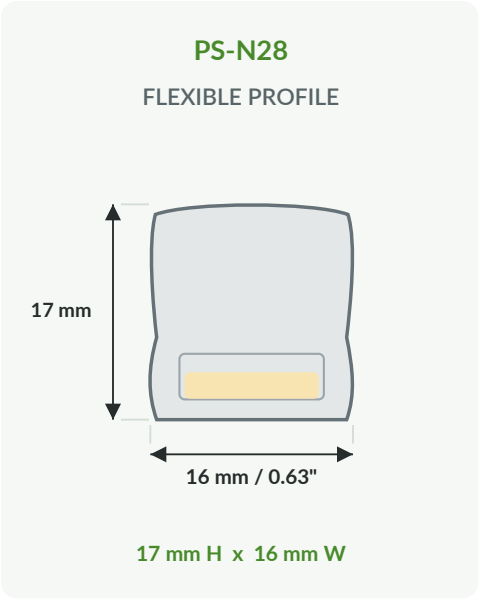
# PS-N28

PRO SERIES LED NEON | FLEXIBLE ARCHITECTURAL LIGHTING | 24 VDC






## FIXTURE OVERVIEW

Flexible linear LED neon luminaire for architectural outlines and curved features. Uniform, continuous-looking illumination in a compact sealed profile. Available in High Brightness or Long Run configurations.

## FORM FACTOR & OPTICS

One-piece flexible light-emitting profile with nominal cross-section 16 mm W x 17 mm H (0.63" x 0.66"). Approximate beam angle 120 degrees; top-bending or side-bending configurations available.

## MOUNTING & APPLICATION

Suitable for architectural accents, facade lines and decorative or functional lighting. Use approved surface track, mounting channels or clips; confirm mounting method and bend direction during specification.

## ELECTRICAL PERFORMANCE

24 VDC, 96 LEDs/m. High Brightness: 15.36 W/m (4.68 W/ft); Long Run: 9.6 W/m (2.93 W/ft). Light output depends on color temperature and electrical version.

## CONTROL & DIMMING

Constant-current configuration is non-dimmable. Constant-voltage configuration supports compatible PWM, 0-10 V, DALI or DMX control systems. Coordinate external 24 VDC power and drivers.

## PROTECTION & LIGHT QUALITY

Molded sealed construction available for IP68 applications, subject to finished end-seal and wire-exit specification. White light CRI > 80. Light output and color choices vary by model selection.

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PROSERIES

## LED PERFORMANCE | HIGH BRIGHTNESS & LONG RUN

Nominal LED light-output values are organized by the selected electrical version. White CCT and static-color offerings differ between configurations. See page 4 for ordering selections.

### CONSTANT CURRENT | HIGH BRIGHTNESS
15.36 W/M | 4.68 W/FT

| CCT / COLOR | LM/M | LM/FT* |
|---|---|---|
| 2700K | 800 | 244 |
| 3000K | 823 | 251 |
| 3500K | 853 | 260 |
| 4000K | 866 | 264 |
| 5000K | 868 | 265 |
| 6500K | 865 | 264 |
| Red | 164 | 50 |
| Green | 357 | 109 |
| Blue | 72 | 22 |
| Yellow | 147 | 45 |
| Orange | 198 | 60 |

### CONSTANT CURRENT | LONG RUN
9.60 W/M | 2.93 W/FT

| CCT / COLOR | LM/M | LM/FT* |
|---|---|---|
| 2700K | 458 | 140 |
| 3000K | 470 | 143 |
| 3500K | 478 | 146 |
| 4000K | 487 | 148 |
| 4500K | 487 | 148 |
| 6000K | 482 | 147 |
| Red | 101 | 31 |
| Green | 255 | 78 |
| Blue | 46 | 14 |
| Yellow | 104 | 32 |
| Orange | 137 | 42 |

### CONSTANT VOLTAGE | HIGH BRIGHTNESS
15.36 W/M | 4.68 W/FT

| CCT / COLOR | LM/M | LM/FT* |
|---|---|---|
| 2700K | 792 | 241 |
| 3000K | 832 | 254 |
| 3500K | 849 | 259 |
| 4000K | 850 | 259 |
| 4500K | 880 | 268 |
| 6000K | 870 | 265 |

### CONSTANT VOLTAGE | LONG RUN
9.60 W/M | 2.93 W/FT

| CCT / COLOR | LM/M | LM/FT* |
|---|---|---|
| 2700K | 498 | 152 |
| 3000K | 527 | 161 |
| 3500K | 540 | 165 |
| 4000K | 545 | 166 |
| 4500K | 547 | 167 |
| 6000K | 531 | 162 |

* LM/FT values are calculated from LM/M, rounded to the nearest whole lumen.

Performance notes: White LED color rendering is specified as CRI > 80. Static-color lumen figures are provided for the constant-current versions above. Output varies with CCT, selected electrical circuit, operating conditions and completed installation; final project photometrics should be confirmed with Neotek.

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ELECTRICAL & INSTALLATION | FLEXIBLE NEON SYSTEM

## ELECTRICAL CONFIGURATIONS & NOMINAL RUN LIMITS

| CONFIGURATION | CONTROL | LOAD | MAX RUN | LEDS/M |
|---|---|---|---|---|
| **CC \| High Brightness** | Non-dimming | 4.68 W/ft | 10 m | 96 |
| **CC \| Long Run** | Non-dimming | 2.93 W/ft | 30 m | 96 |
| **CV \| High Brightness** | Dimmable* | 4.68 W/ft | 10 m | 96 |
| **CV \| Long Run** | Dimmable* | 2.93 W/ft | 15 m | 96 |

* CV dimming requires a matched PWM / 0-10 V / DALI / DMX control interface.

## FIXTURE CONSTRUCTION, BENDING & INSTALLATION

### PROFILE & OPTICAL DATA

Sealed flexible luminous body; nominal 16 mm wide x 17 mm high (0.63" x 0.66"). Typical viewing angle approximately 120 degrees.

### BENDING GEOMETRY

Two bending configurations: top bend with minimum bend diameter approximately 200 mm (7.87"), or side bend with minimum diameter approximately 500 mm (19.69"). Avoid twist and sharp corners.

### INSTALLATION OPTIONS

Approved surface channels, sections with wings, short clips, or flexible retaining track. Mounting hardware and fixing method must be selected for substrate, temperature and load.

### POWER & WIRING

Supply 24 VDC from an appropriately sized accessible remote power unit. Final power supplies, controller interfaces, feed directions and cable lengths must be coordinated with Neotek.

### SEALING & OPERATING CONDITIONS

Specify factory-sealed end caps, leads and transitions as required. IP68 construction is available; final protection depends on the assembled and installed configuration. Operating range: -20 to +60 C.

### HANDLING & SERVICE

Do not puncture, sharply crease, twist or repeatedly reverse-bend. Avoid aggressive solvents and unapproved field modification. Provide proper strain relief and waterproof termination where required.

### CONFIGURATION & APPLICATION REVIEW

Maximum run length is dependent on the selected CC/CV version; it is not a universal 30 m limit. Confirm supply voltage at the load, cable voltage drop, power capacity, control compatibility, end sealing and mounting before ordering.

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PROSERIES

CUSTOMER CONFIGURATION | SELECT PROJECT OPTIONS

## PS-N28 | ORDERING & PROJECT SELECTIONS

PROJECT / FIXTURE REFERENCE _____

### 01 | ELECTRICAL CONFIGURATION

#### OUTPUT FAMILY

- ☐ High Brightness
- ☐ Long Run

#### ELECTRICAL MODE

- ☐ Constant current | non-dimming
- ☐ Constant voltage | dimmable

#### CONTROL TYPE | CONSTANT VOLTAGE ONLY

- ☐ PWM
- ☐ 0-10 V
- ☐ DALI
- ☐ DMX
- ☐ None

### 02 | LIGHT COLOR / TEMPERATURE

#### STATIC WHITE | CHECK CCT AVAILABILITY AGAINST PAGE 2

- ☐ 2700K
- ☐ 3000K
- ☐ 3500K
- ☐ 4000K
- ☐ 4500K
- ☐ 5000K
- ☐ 6000K
- ☐ 6500K

#### STATIC COLOR | DOCUMENTED FOR CONSTANT-CURRENT VERSIONS

- ☐ Red
- ☐ Green
- ☐ Blue
- ☐ Yellow
- ☐ Orange

### 03 | INSTALLATION & SEALING

#### BEND DIRECTION

- ☐ Top bending
- ☐ Side bending

#### MOUNTING

- ☐ Surface track
- ☐ Channel
- ☐ Clip
- ☐ Flexible track

#### END / CABLE EXIT

- ☐ Left
- ☐ Right
- ☐ Straight
- ☐ Bottom
- ☐ Other

Specify finished IP configuration and end sealing with Neotek before production. Power and dimming compatibility must match the selected electrical mode.

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