PS-701-MSB

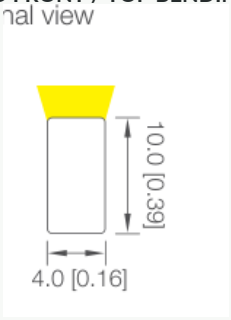
PROSERIES LED NEON

PROSERIES LED NEON | MICRO LINEAR FLEX | SIDE BENDING ONLY



SIDE BENDING ONLY

NO FRONT / TOP BENDING



4 mm W x 10 mm H

0.16" W x 0.39" H

PRODUCT DESCRIPTION

PS-701-MSB is a compact, single-color, flexible architectural LED neon product for sign and decorative lighting. Its micro profile provides a continuous-looking line of light in tight detailing and curved applications.

SIDE-BENDING GEOMETRY

Designed for side bending exclusively. Minimum bend diameter 25 mm (0.98"). Front bending, top bending, sharp corners and torsional twisting are not supported.

PROFILE & INSTALLATION

Nominal 4 mm width x 10 mm height, with 12.2 mm wide end-cap details. Use matching aluminum clips, a mounting channel or suitably designed retained installations. Custom length and cable options available.

LIGHT & ELECTRICAL PERFORMANCE

24 VDC, 9.6 W/m (2.93 W/ft) nominal. 120 LEDs/m and 115 degree nominal beam. White LED CRI generally greater than 80, depending on selected color temperature.

INGRESS & ENVIRONMENT

IP67 nominal finished assembly. Operating temperature -20 to +60 C; storage -20 to +70 C. Protect terminations and use suitable wet-location cabling where required.

CONTROLS & FINISH

Single-color models support compatible PWM, 0-10V, DALI and DMX dimming. Specify a suitably sized remote 24 VDC driver and control interface.

WARRANTY & FINISHED PRODUCT

Warranty: 5 years for interior use; 3 years for exterior use, subject to Neotek standard terms. IP67 protection requires appropriately sealed leads and end terminations. Intended for signage and decorative accent lighting, not general illumination.

PS-701-MSB

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STATIC WHITE / STATIC COLOR PERFORMANCE | PHOTOMETRICS

OPTICAL & ELECTRICAL PERFORMANCE | 24 VDC

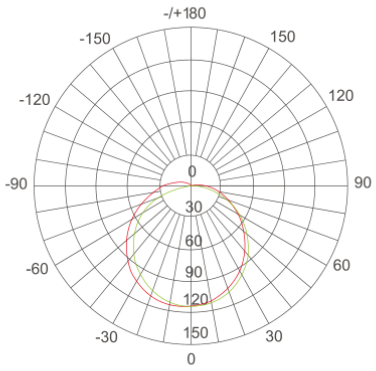
NOMINAL POWER: 9.6 W/M (2.93 W/FT) | BEAM ANGLE: 115 DEG | 120 LEDS/M

LED COLOR / CCT	LM / M	LM / FT*	LM / W
2100K	153	46.6	16.2
2700K	296	90.2	31.0
4000K	324	98.8	33.9
4500K	332	101.2	34.4
5000K	329	100.3	34.4
6100K	250	76.2	24.0
Static Red	79	24.1	8.6
Static Green	312	95.1	20.7
Static Blue	43	13.1	4.6

* LM/FT values are converted from the listed LM/M values (approximate).

Output values are nominal source performance; project photometrics depend on the installed system.

LIGHT DISTRIBUTION | 2700K REFERENCE

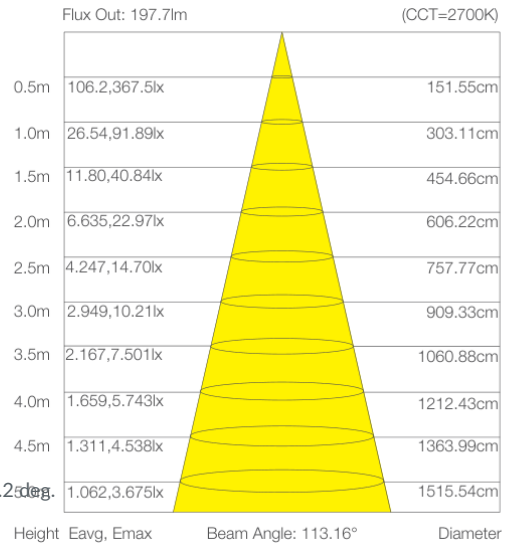


Unit: cd

C 0 /180,117.2°

C 90/270,113.2°

AVERAGE BEAM ANGLE (50%): 115.2°



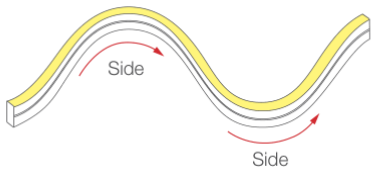
Reference beam measurements: average 115.2 deg; C0/C180 = 117.2 deg; C90/C270 = 113.2 deg.

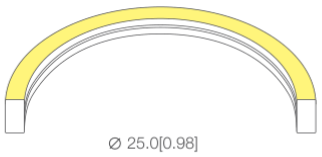
PS-701-MSB

PROSERIES LED NEON

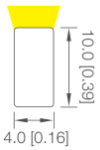
MECHANICAL & ELECTRICAL INSTALLATION DETAILS

SIDE-BENDING PROFILE, END CAPS & BEND RADIUS





nal view

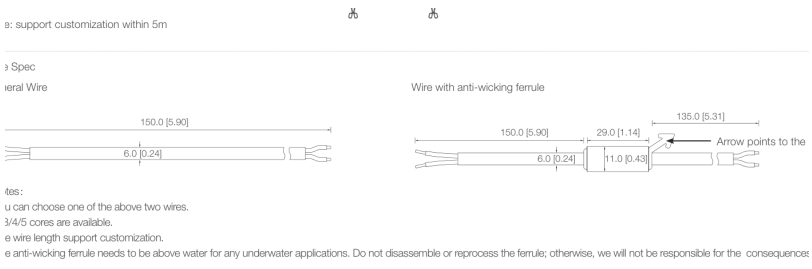


Minimum side-bend diameter: 25 mm / 0.98". Do not bend toward the light face.

RUN, WIRING & 24 VDC POWER SUPPLY

WORKING LENGTH	CURRENT	MEASURED POWER	DRIVER	FEED
1 m	0.4 A	9.6 W	15 W	Single feed
5 m	1.8 A	43.2 W	60 W	Single feed
10 m*	3.6 A	86.4 W	120 W	Double feed

Standard run: 5 m. Minimum cut interval: 50 mm. Confirm longer assemblies with Neotek.



Lead options: general wire or anti-wicking ferrule; 2-, 3-, 4- or 5-conductor cables; custom length.

Keep any anti-wicking ferrule above water; do not disassemble or modify the ferrule.

PS-701-MSB

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MOUNTING, END TERMINATION & INSTALLATION

OPTIONAL ACCESSORIES & INSTALLATION TOOLS



Item:	Front cap
Dimensions L*W*H:	10*4.5*12mm
Quantity (5m):	2pcs
Free/Optional	Free



Item:	Closing End-cap
Dimensions L*W*H:	10*4.5*12mm
Quantity (5m):	2pcs
Free/Optional	Free



Item:	Aluminum clip
Dimensions L*W*H:	
Quantity (5m):	
Free/Optional	Optional



Item:	Aluminum Channel
Dimensions L*W*H:	1000*8.6*12.5mm
Quantity (5m):	--
Free/Optional	Optional

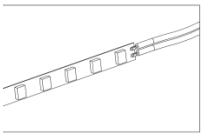


Item:	Silicone Glue
Dimensions:	45g/pc
Quantity (5m):	--
Free/Optional	Optional

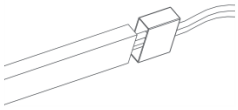
Available accessories: front and closing end caps (10 x 4.5 x 12 mm), aluminum clips, aluminum mounting channel (1,000 x 8.6 x 12.5 mm) and silicone adhesive.

WIRE CONNECTION & END-CAP INSTALLATION

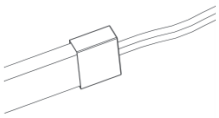
ails of installation operation at input end



d the wire to the PCB board

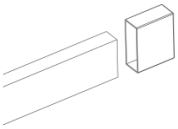


Fill the end cap with glue, then install it to the strip

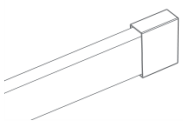


Wipe off the excess glue and wait for drying

sing-end cap installation



he end cap with glue,



Wipe off the excess glue

Installer guidance: maintain correct conductor polarity; use compatible sealant and insulated terminations. Wet-location sealing and field cut/end-cap procedures require Neotek approval.

Neotek LIGHTING

PS-701-MSB

PROSERIES LED NEON

RELIABILITY, HANDLING & PACKAGING

RELIABILITY TEST SUMMARY | REFERENCE DATA

Reference qualification data lists the following environmental and mechanical checks as passing. Conditions summarize the recorded test methods; confirm project-specific compliance and available submittals with Neotek.

TEST	REFERENCE CONDITIONS	RESULT
PTC cycling	-40 C / +60 C alternating cycles; each 2-hour cycle includes temperature holds and ramps	Pass
Room-temp aging	Continuous operation at nominal room temperature	Pass
Thermal cycling	Alternating elevated, room and low-temperature powered operation	Pass
High-temp resistance	Powered exposure at elevated temperature (60 C reference)	Pass
Room-temp bending	Powered bending reference test at 25 C; test diameter 100 mm	Pass
Tensile resistance	Ends secured; tensile load applied while energized	Pass
Twisting test	Rotational strength tested to failure threshold	Pass

PACKAGING & STORAGE

ITEM	REFERENCE VALUE
Nominal profile piece	5,000 mm x 4 mm x 10 mm
Standard supply	5 m per reel; packaged in protective foil bag
Shipping carton reference	390 x 390 x 325 mm; 60 reels/carton; gross 21.7 kg (+/-10%)
Environment	Operating -20 to +60 C; storage -20 to +70 C

INSTALLATION AND SAFETY PRECAUTIONS

Side bend only. No front bending, twisting, sharp creases or repeated reverse bends. Cut only at approved marks. Never work on energized circuits. Check polarity, supply ratings, terminations and sealed connections. Use qualified installers, compatible mounting hardware and nonaggressive cleaners. For long leads, use at least 18 AWG conductors; a short driver-to-strip distance is advised.

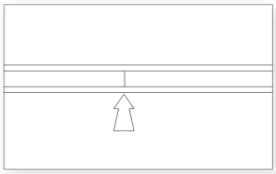
Coordinate outdoor sealing, field modification and cable runs (2 m nominal) with Neotek.

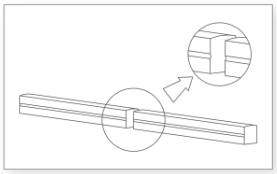
PS-701-MSB

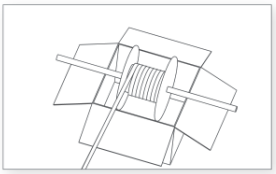
PROSERIES LED NEON

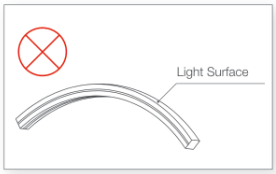
SIDE-BENDING CAUTION | PRODUCT HANDLING

CAUTION | SIDE BENDING ONLY - NO FRONT BENDING

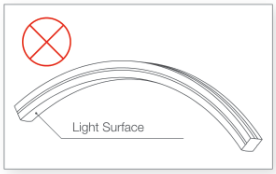

Cuttable identifier


Neat and smooth cut

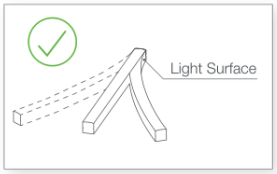

Slide a spindle into the roll and then place the roll with spindle on top of the box provided.



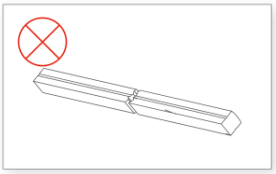
Do not use in convex direction

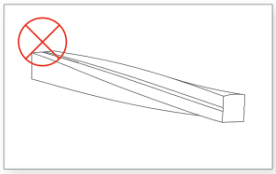


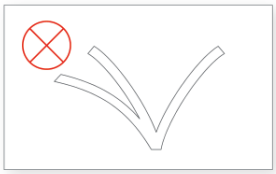
Do not use in concave direction

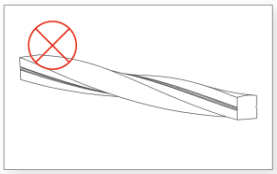


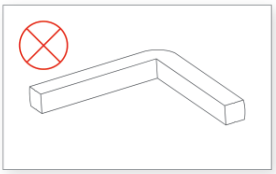
Side bending

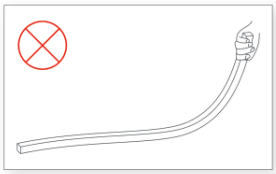

Do not make irregular cuts.


Do not use in distortions


Do not bend many times,for it can endanger electronic lines.


Do not use on wringing(twist)


Do not bend at right angles


Do not throw or pull when taking products

The complete installation warnings are illustrated above.

IMPORTANT HANDLING GUIDELINES

Correct bend: Form smooth side-to-side curves in the permitted direction only. Maintain the 25 mm (0.98 in) minimum side-bending diameter. Never bend toward the illuminated face (front/top bending), or form sharp right angles.

Protect the fixture: Avoid twisting, repeated reverse bending, irregular cuts, excessive tension, or contact with sharp objects. Follow indicated cut marks and maintain correct wiring, insulation and weather-resistant terminations.

Neotek LIGHTING

PS-701-MSB

PROSERIES LED NEON

PROJECT / CUSTOMER SELECTIONS

PS-701-MSB | CUSTOMER CONFIGURATION

SELECT COLOR / CCT

- ☐ 2100K
- ☐ 2700K
- ☐ 4000K
- ☐ 4500K
- ☐ 5000K
- ☐ 6100K
- ☐ Red
- ☐ Green
- ☐ Blue

DIMMING / CONTROLS (24 VDC)

- ☐ PWM
- ☐ 0-10V
- ☐ DALI
- ☐ DMX

MOUNTING / WIRING

- ☐ Aluminum clip
- ☐ Mounting channel
- ☐ General lead
- ☐ Anti-wicking

Product length: _____ Wire exit / length: _____

Finish / custom details: _____

STANDARD FIXTURE REQUIREMENTS

IP67 | 24 VDC | SIDE-BENDING ONLY | NO FRONT BENDING

Project coordination: Confirm required bend path, length, mounting, suitable supply size, wire entries, termination method and dimming compatibility with Neotek before manufacturing. Standard run is 5 m; longer feed examples are not universal run approvals.