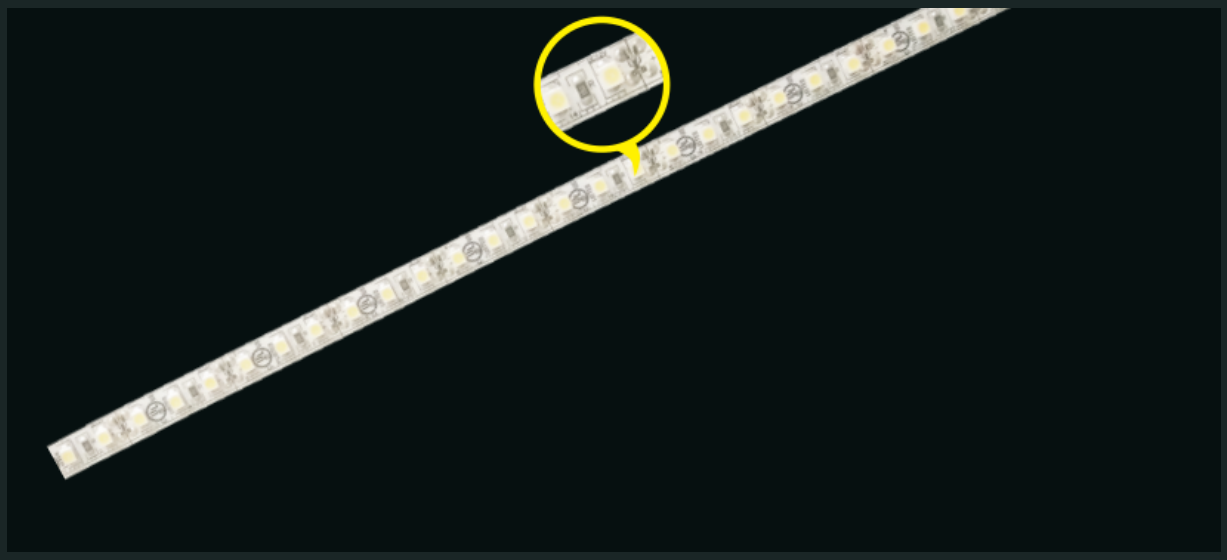
PS-812

SMD 3528 | HIGH COLOR RENDERING

PROSERIES
LED TAPE LIGHT

PROSERIES / CONSTANT-VOLTAGE LED TAPE



PS-812 | SMD 3528 LED TAPE | 120 LEDS/M

IP22 ONLY

8 mm	120	2.93 W/ft
STRIP WIDTH	LEDS PER METER	NOMINAL POWER

PRODUCT OVERVIEW

The Neotek PS-812 is a compact, flexible ProSeries LED tape for dry interior architectural applications, including coves, millwork, display lighting and linear accent details. The 8 mm SMD 3528 design delivers a continuous, closely spaced LED array with high color-rendering capability and a 120-degree viewing angle.

PERFORMANCE & CONFIGURATION

- ☐ 12VDC / 24VDC constant voltage
- ☐ Expanded white CCT + static color options
- ☐ Field-cuttable at marked intervals
- ☐ Ra 90 (documented whites)
- ☐ 120-degree viewing angle
- ☐ Indoor / IP22 only

cULus LISTED | 5-YEAR WARRANTY TERMS AVAILABLE FROM NEOTEK

PS-812

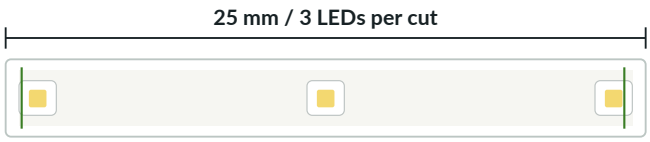
SMD 3528 | HIGH COLOR RENDERING

PROSERIES
TECHNICAL DATA

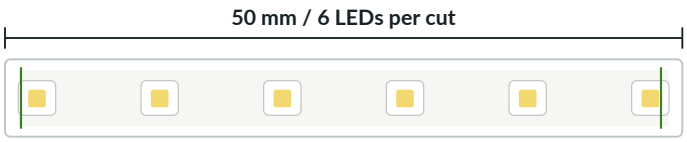
ELECTRICAL & MECHANICAL SPECIFICATIONS

LED package	SMD 3528	**LED density**	120 LEDs / meter
Supply type	Constant voltage	**Voltage options**	12 VDC / 24 VDC
Nominal power	9.6 W/m (2.93 W/ft)	**Viewing angle**	120 degrees
PCB width	8 mm (0.31 in)	**Ingress protection**	IP22 - interior / dry
Color rendering	Ra 90 (documented whites)	**Working temperature**	-25 to +60 C
Mounting	Double-sided adhesive backing	**Standard reel**	5 m (16.4 ft)
12V max run	3 m (9.84 ft)	**24V max run**	6 m (19.69 ft)
12V cut interval	25 mm / 3 LEDs	**24V cut interval**	50 mm / 6 LEDs

CUT INTERVALS & LED DENSITY



12 VDC 8 mm PCB



24 VDC 8 mm PCB

MECHANICAL NOTES

Dimensional tolerance in the supplied documentation: length +/-6 mm; width +/-0.2 mm; height +/-0.2 mm. Field cuts are to be made only at the marked pads. Actual LED pitch is approximately 8.33 mm at 120 LEDs/m. Run lengths represent the published limits and should be verified for project loading and voltage drop.

Power values reflect the documented tape. Verify added CCT/color power and output with Neotek.

Neotek LIGHTING

PS-812

SMD 3528 | HIGH COLOR RENDERING

PROSERIES
PHOTOMETRICS

COLOR OPTIONS / PERFORMANCE / CONTROLS

WHITE CCT SELECTIONS

CCT SELECTION	CCT RANGE (K)	CRI	LM/M*
2700 K	2645 - 2800 K	90	624
2800 K	2710 - 2890 K	90	624
3000 K	2850 - 3025 K	90	624
3500 K	3270 - 3545 K	90	672
4000 K	3870 - 4130 K	90	690
5000 K	4840 - 5160 K	90	720
6500 K	6260 - 6680 K	90	768

* Published lm/m data use a CRI 80+ test basis although white versions list Ra 90.
2800K, 4000K and 5000K CCT ranges, CRI and lm/m are estimates. Confirm with Neotek.

STATIC COLOR SELECTIONS

- RED
- GREEN
- BLUE
- AMBER

DIMMING & CONTROL COMPATIBILITY

PWM Constant-voltage dimming.

0-10V Compatible control interface.

DALI Compatible DALI interface.

DMX Decoder / data system required.

COMPLIANCE / APPLICATION

cULus Listed | CE | RoHS | IP22 indoor

Confirm listing, color/configuration coverage, power, photometric output and warranty for the exact project selection with Neotek. IP22 is intended for suitable dry interior installations.

PS-812

SMD 3528 | HIGH COLOR RENDERING

PROSERIES
ORDERING GUIDE

SPECIFICATION / ORDERING SELECTIONS

NEOTEK ORDERING STRUCTURE

PS-812 - [VOLTAGE] - [COLOR CODE]

White: 27K / 28K / 30K / 35K / 40K / 50K / 65K | Colors: R / G / B / A

SELECT PRODUCT CONFIGURATION

INPUT VOLTAGE

- ☐ 12 VDC
- ☐ 24 VDC

WHITE CCT

- ☐ 2700 K / 27K
- ☐ 2800 K / 28K
- ☐ 3000 K / 30K
- ☐ 3500 K / 35K
- ☐ 4000 K / 40K
- ☐ 5000 K / 50K
- ☐ 6500 K / 65K

STATIC LED COLORS

- ☐ Red / R
- ☐ Green / G
- ☐ Blue / B
- ☐ Amber / A

DIMMING METHOD (EXTERNAL COMPATIBLE CONTROLS)

- ☐ PWM
- ☐ 0-10V
- ☐ DALI
- ☐ DMX

PROJECT / JOB INFORMATION

PROJECT NAME _____

FIXTURE / LOCATION _____

QUANTITY / REELS _____

RUN LENGTH (m / ft) _____

DATE _____

CONTACT / COMPANY _____

REQUESTED DELIVERABLE DATE _____

SPECIAL NOTES / ACCESSORIES / CONTROLS

IP22 dry interior only. Verify color availability, actual output, listing coverage and control requirements with Neotek before ordering. Values for newly added CCTs and static colors require confirmation.

NEOTEK LIGHTING | 1040 Dividend Road | Midlothian, TX 76065
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