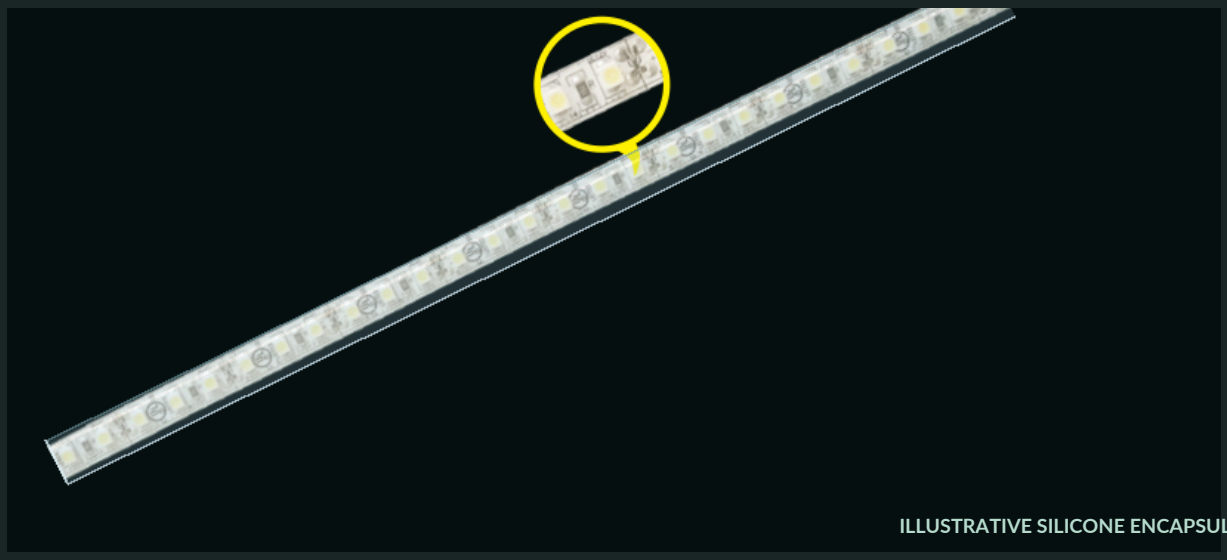
PS-812-IP67

SMD 3528 | SILICONE ENCAPSULATED

PROSERIES
LED TAPE LIGHT

PROSERIES / CONSTANT-VOLTAGE LED TAPE



ILLUSTRATIVE SILICONE ENCAPSULATION

PS-812-IP67 | SMD 3528 | 120 LEDS/M

IP67 / WET

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

PRODUCT OVERVIEW

The Neotek PS-812-IP67 is a silicone-encapsulated ProSeries LED tape designed for architectural wet-location applications. The 8 mm SMD 3528 PCB carries 120 LEDs/m under a protective silicone jacket. IP67 performance requires properly sealed ends, splices and cable connections.

PERFORMANCE & CONFIGURATION

- ☐ 12VDC / 24VDC constant voltage
- ☐ Ra 90 (documented whites)
- ☐ Expanded white CCT + static color options
- ☐ 120-degree viewing angle
- ☐ PCB cuttable; IP67 re-sealing required
- ☐ IP67 / wet-location construction

BASE TAPE cULus LISTED | VERIFY IP67 ASSEMBLY LISTING WITH NEOTEK

PS-812-IP67

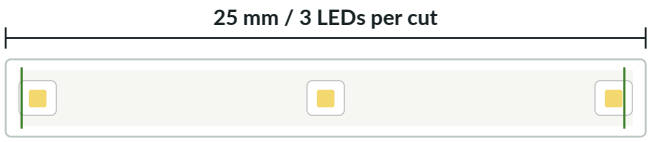
SMD 3528 | SILICONE ENCAPSULATED

PROSERIES
TECHNICAL DATA

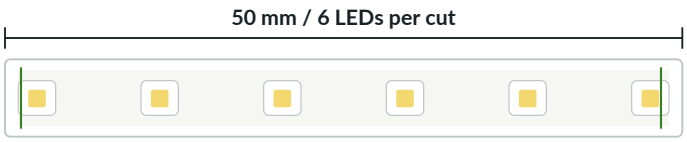
ELECTRICAL & MECHANICAL SPECIFICATIONS

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**	IP67 - wet locations
Color rendering	Ra 90 (documented whites)	**Working temperature**	-25 to +60 C
Mounting	Approved wet-location mounting	**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

INTERNAL PCB CUT INTERVALS



12 VDC — 8 mm PCB



24 VDC — 8 mm PCB

PCB diagrams shown before silicone encapsulation; do not leave cut ends unsealed.

MECHANICAL NOTES

Silicone encapsulation covers the 8 mm LED PCB; final outside width/height must be confirmed.
Electrical cut intervals remain 25 mm (12V) and 50 mm (24V). Any field cut or splice must be resealed using approved IP67 termination materials to maintain wet-location protection.
Use wet-rated connections and provide adequate heat dissipation; not for permanent submersion.

Core tape values shown; confirm final encapsulated dimensions, outputs and operating limits with Neotek.

PS-812-IP67

SMD 3528 | SILICONE ENCAPSULATED

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

* Nominal source-tape lm/m values use a CRI 80+ test basis; white variants list Ra 90.
Added CCT figures are estimates. Silicone encapsulation can affect output; 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

IP67 SILICONE ENCAPSULATED | WET LOCATION
The base LED tape is documented as cULus Listed; coverage for the sealed IP67 assembly must be confirmed with Neotek. Use fully sealed terminations and wet-rated connections.

Neotek LIGHTING

PS-812-IP67

SMD 3528 | SILICONE ENCAPSULATED

PROSERIES
ORDERING GUIDE

SPECIFICATION / ORDERING SELECTIONS

NEOTEK ORDERING STRUCTURE

PS-812-IP67 - [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

_____

IP67 wet-location use requires sealed ends, joints and cable entries. Do not leave cut ends unsealed. Confirm completed assembly listing, silicone dimensions and outputs with Neotek.