PS-860-RGBW-IP67

SMD 5050 | SILICONE-ENCAPSULATED RGBW

PROSERIES

LED TAPE LIGHT

PROSERIES / SILICONE-ENCAPSULATED RGBW LED TAPE



PS-860-RGBW-IP67 | 5050 RGBW LED TAPE | 60 LEDs/m

IP67

5050	60	19.2 W/m
4-IN-1 LED PACKAGE	LEDS PER METER	RGBW FULL OUTPUT

PRODUCT OVERVIEW

The Neotek PS-860-RGBW-IP67 uses the same flexible, four-in-one 5050 RGBW light engine as the PS-860-RGBW, with a protective silicone encapsulation for IP67 ingress protection. Independent red, green, blue and dedicated white emitters deliver dynamic color and useful white light. Suitable for properly sealed wet-location applications.

PERFORMANCE & CONFIGURATION

- ☐ 12 VDC or 24 VDC constant-voltage options
- ☐ 3000K / 3500K / 4500K / 6500K white
- ☐ Flexible PCB with silicone encapsulation
- ☐ 120-degree nominal viewing angle
- ☐ Independently controlled RGB + white
- ☐ IP67 for properly sealed installations

PS-860-RGBW-IP67

SMD 5050 | ELECTRICAL & MECHANICAL DATA

PROSERIES
LED TAPE LIGHT

ELECTRICAL & CONSTRUCTION SPECIFICATIONS

LED type	5050 four-in-one RGBW	**Nominal viewing angle**	120 degrees
LED density	60 LEDs / meter	**White color rendering**	Ra >80 (white channel)
Supply	Constant voltage	**Ingress protection**	IP67 - encapsulated
Voltage selections	12 VDC / 24 VDC	**Construction**	PCB + silicone coating
White-channel power	4.8 W/m (1.46 W/ft)	**Mounting**	Adhesive / rated supports
RGB-only power	14.4 W/m (4.39 W/ft)	**Controls**	PWM / 0-10V / DALI / DMX
RGBW full power	19.2 W/m (5.85 W/ft)	**Warranty**	2 years* (verify variant)

RGBW WIRING / CONTROL CONCEPT



+ R G B W

5-conductor RGBW connection

SILICONE-ENCAPSULATED TAPE (SCHEMATIC)

Use a compatible constant-voltage RGBW controller/decoder for individual RGB + white control. DMX requires a decoder and DMX data wiring. Protect and reseal all exposed conductor transitions, cut ends and splices to maintain IP67.

INSTALLATION / PROJECT ENGINEERING

Install on a clean, compatible surface with continuous thermal support. Silicone coating must remain intact, including end caps, cable entries, cuts and splices; use properly rated watertight terminations and connectors. Confirm finished coated dimensions, cut increments, run lengths and power-supply requirements before fabrication. Avoid permanent submersion unless separately approved.

*** Confirm the exact IP67 assembly warranty and electrical listing for wet-location use.**

PS-860-RGBW-IP67

SMD 5050 | RGBW PHOTOMETRIC PERFORMANCE

PROSERIES
LED TAPE LIGHT

WHITE / RGB / RGBW PERFORMANCE BY SUPPLY VOLTAGE

VOLTAGE	WHITE CCT	WHITE LM/M	RGB LM/M	RGBW LM/M	WHITE CRI	RGBW W/M
24 V	**3000 K**	456	464	**828**	>80	19.2
24 V	**3500 K**	474	453	**834**	>80	19.2
24 V	**4500 K**	510	460	**873**	>80	19.2
24 V	**6500 K**	510	471	**882**	>80	19.2
12 V	**3000 K**	450	421	**777**	>80	19.2
12 V	**3500 K**	462	416	**790**	>80	19.2
12 V	**4500 K**	492	428	**828**	>80	19.2
12 V	**6500 K**	510	420	**837**	>80	19.2

CHANNEL POWER / APPLICATION NOTES

WHITE ONLY
4.8 W/m

RGB COMBINED
14.4 W/m

RGBW ALL ON
19.2 W/m

The table carries forward nominal light-engine output for the same 5050 RGBW tape. Silicone encapsulation can affect delivered lumens and color appearance; confirm photometry on the coated assembly if project calculations require it. RGB values represent R+G+B, RGBW represents R+G+B+W, and CRI applies to the white channel.

CONTROL & CERTIFICATION

120-degree nominal viewing angle. PWM / 0-10V / DALI / DMX using compatible external equipment. The uncoated base tape documentation references UL 2108 / File E354137 and RoHS; IP67 coated assembly listing and wet-location approval require separate confirmation.

Neotek LIGHTING

PS-860-RGBW-IP67

SMD 5050 | SPECIFICATION & ORDERING GUIDE

PROSERIES
LED TAPE LIGHT

ORDERING CONFIGURATION & PROJECT SELECTIONS

NEOTEK PART-NUMBER FORMAT

PS-860-RGBW-IP67 - [VOLTAGE] - [WHITE CCT]

Example: PS-860-RGBW-IP67-24-30K | 24 VDC, RGBW, 3000K white

SELECT PRODUCT CONFIGURATION

INPUT VOLTAGE

- ☐ 24 VDC (standard)
- ☐ 12 VDC

WHITE CHANNEL COLOR TEMPERATURE

- ☐ 3000 K / 30K
- ☐ 3500 K / 35K
- ☐ 4500 K / 45K
- ☐ 6500 K / 65K

CONTROL METHOD / EXTERNAL EQUIPMENT

- ☐ PWM / RGBW decoder
- ☐ 0-10V / compatible interface
- ☐ DALI / compatible interface
- ☐ DMX / RGBW decoder + data wiring

PROJECT / JOB INFORMATION

PROJECT NAME

FIXTURE / LOCATION

QUANTITY / REELS

RUN LENGTH

DATE

POWER SUPPLY / DRIVER

RGBW CONTROLLER / DECODER

IP67 silicone-encapsulated tape for wet-location applications. All ends, splices and electrical connections must be sealed to maintain the rating. Confirm final coated dimensions, complete-assembly UL listing scope, and warranty with Neotek before specification.