PS-860-RGBW

SMD 5050 | FOUR-IN-ONE COLOR MIXING

PROSERIES
LED TAPE LIGHT

PROSERIES / CONSTANT-VOLTAGE RGBW LED TAPE



PS-860-RGBW | 5050 RGBW LED TAPE | 60 LEDs/m IP22

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

PRODUCT OVERVIEW

The Neotek PS-860-RGBW is a flexible, four-in-one 5050 LED tape light for architectural color-changing applications. Independent red, green, blue and dedicated white emitters produce saturated color effects, programmable scenes and useful white illumination in a single strip. Designed for suitable dry interior environments (IP22).

PERFORMANCE & CONFIGURATION

- ☐ 12 VDC or 24 VDC constant-voltage options
- ☐ 3000K / 3500K / 4500K / 6500K white
- ☐ Adhesive-backed flexible PCB
- ☐ 120-degree nominal viewing angle
- ☐ Individually controlled RGB + white
- ☐ IP22 indoor installations only

PS-860-RGBW

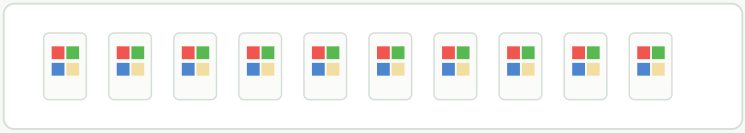
SMD 5050 | ELECTRICAL & MECHANICAL DATA

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**	IP22 - dry interior
Voltage selections	12 VDC / 24 VDC	**PCB construction**	Flexible printed circuit
White-channel power	4.8 W/m (1.46 W/ft)	**Mounting**	Double-sided adhesive
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)	**Published warranty**	2 years*

RGBW WIRING / CONTROL CONCEPT



+ R G B W

5-conductor RGBW connection

Use a compatible constant-voltage RGBW controller/decoder to control red, green, blue and white channels independently. DMX systems require a suitable decoder and DMX data cable to that decoder. Tape must be cut only at factory-marked solder pads.

INSTALLATION / PROJECT ENGINEERING

Mount to a clean, dry, compatible surface with continuous support and adequate heat dissipation. Confirm tape width, cut increments, maximum continuous run, cable gauge and power-supply sizing for the selected voltage before fabrication. Provide accessible controllers and suitably rated power supplies. IP22 is not suitable for direct water exposure or wet locations.

*** Warranty and listing coverage are subject to the exact supplied configuration.**

PS-860-RGBW

SMD 5050 | RGBW PHOTOMETRIC PERFORMANCE

PROSERIES
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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

Photometric values represent documented nominal outputs for the stated supply voltage and white-channel selection. RGB values describe combined R+G+B operation; RGBW values describe R+G+B+W operation. White channel CRI is specified as greater than 80; colored output does not have a meaningful CRI rating.

CONTROL & CERTIFICATION

120-degree nominal beam. PWM / 0-10V / DALI / DMX through compatible external equipment. Source documents cite UL Listed, UL 2108, File E354137 and RoHS; confirm exact SKU and IP22 listing coverage with Neotek before issue.

PS-860-RGBW

SMD 5050 | SPECIFICATION & ORDERING GUIDE

PROSERIES
LED TAPE LIGHT

ORDERING CONFIGURATION & PROJECT SELECTIONS

NEOTEK PART-NUMBER FORMAT

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

Example: PS-860-RGBW-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 _____

IP22 dry interior only. The archived cover lists IP22, while its performance-table headings say IP20; confirm final ingress rating with Neotek. Also verify width, cut spacing, run length and UL listing scope. Documented warranty: 2 years.