

Module 18-LED RGB+WW+CW

Flexible Diffused LED Tape

Hi Intensity 18-LED Modules

The RawModule 18-LED RGB+WW+CW delivers high-intensity, high-CRI lighting for residential, television, industrial, and commercial applications. Designed for indoor use (IP43-rated), these 24VDC modules feature peel-and-stick installation with 3M adhesive backing for quick and secure mounting. With adjustable spacing and energy-efficient performance, these modules provide seamless, high-quality illumination for signage, backlighting or anywhere modular lighting is required.

Key Features:

- High-CRI, Multi-Source LED Design – Features SMD 5060 RGB & SMD 2835 White LEDs for accurate, vibrant colour and white light.
- Easy Installation – Peel-and-stick 3M adhesive backing for secure mounting.
- Indoor-Rated (IP43) – Suitable for dry environments requiring consistent, high-CRI lighting.
- Adjustable Spacing – Standard 30CM or 10CM cable jump between modules for flexible layouts.
- Energy Efficient 24VDC – Low power consumption with maximum brightness.
- Maximum Run Length – Up to 50 modules per power run to prevent line loss.

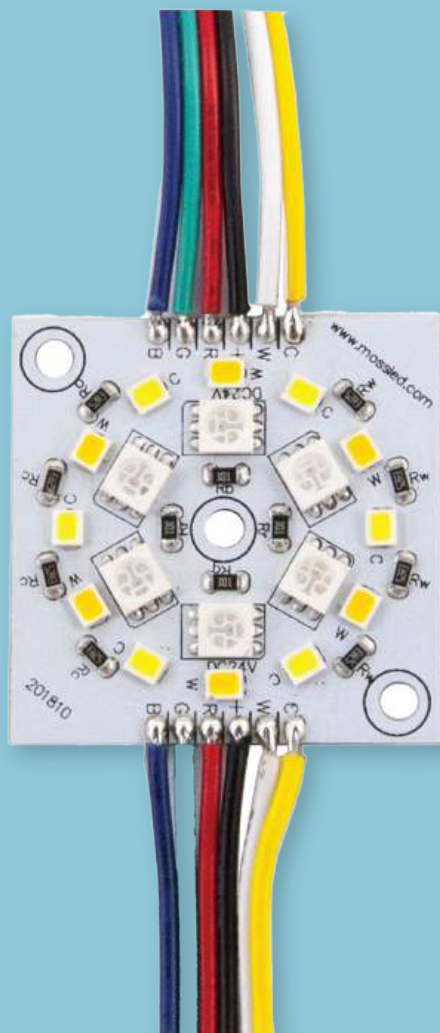
Applications:

- Signage & Lightboxes – Backlighting for channel letters and illuminated displays.
- Architectural Lighting – Enhancing indoor environments with professional-grade illumination.
- Event & Entertainment Lighting – Ideal for bars, clubs, theatres, and stage productions.
- Decorative & Accent Lighting – Creates dynamic, colour-rich lighting effects.

Stocked in 2700K–6000K; 2700K–5600K available by special order.

Need a custom solution? Contact us today!

Please call 1.800.924.1585 or email info@mossled.com to inquire.



TECHNICAL SPECIFICATIONS

NO:	RGB+WW+CW	
1	PRODUCT TYPE	18-LED RGB+WW+CW
2	PRODUCT CODE	RM-I24V50502835RGBWCW2760-XXYY
3	CRI / TLCI	95+
4	COLOUR TEMP. OR WAVELENGTH	RGB+W+CW (2700k + 6000K)
5	PCB COLOUR	WHITE
6	CURRENT, RATING	60mA for RGB, 70mA FOR WHITES
7	VOLTAGE	24 VDC
8	WATTAGE	3.12W / MODULE
9	CC / CV	CONSTANT VOLTAGE
10	IP RATING	IP43
11	LUMENS/METER @ FULL	TBD
12	LIFETIME*	50,000 HOURS
13	CABLE LENGTH	10CM OR 30CM
14	LED QUANTITY	6 X RGB, 6 X 2700K, 6 X 6000K
15	NUMBER OF CONTACTS	6
16	LED TYPE	6 X 5060 RGB : 12 X 2835 WHITE
17	PCB COPPER QUANTITY	3 OZ.
18	OPERATING TEMPERATURE RANGE	-20° ~ 60° C
19	AGENCY RATINGS	CE, RoHS, UL E489028
20	DIMENSIONS	36MM X 36MM
21	MAXIMUM RECOMMENDED LENGTH	50 MODULES (156 WATTS TOTAL)
22	VIEWING ANGLE	120 DEGREE
23	ADHESION	MOUNTING HOLES / FOAM RUBBER ADHESIVE TAPE

* - NOMINAL LIFETIME BASED ON IDEAL INSTALLATION LOCATION CONDITIONS & ASSUMING MAXIMUM OF 16 HOURS PER DAY OF USE

Module 18-LED RGB+WW+CW SKU ORDERING CODES

RM	I	24	V	RGBWCW	2760	50502835	-	-	-	10CM
1	2	3	4	5	6	7	8	9	10	11
Series	IP Rating (IP43)	Operating Voltage	Voltage	Colour Temperature Range	Kelvin	LED Chip Type	PCB Colour	PCB Coating	Connector	Cable Jumps

1 Family Series
RM RawMod

2 IP Rating
I IP41 - Indoor Use Only
O IP65 - Weatherproof
W IP68 - Waterproof

3 Voltage
24V 24VDC (Standard)
12V 12VDC (Optional)
5-36V Custom Order

4 Voltage Type
V Constant Voltage (Standard)
C Constant Current (Optional)

5 Colour Temperature Range
RGBWCW Red, Green, Blue, White, White

6 Colour Temperature
2760 2700k ~ 6000k (standard)
2756 2700k ~ 5600k (optional)
XX (Custom CCT Available)

7 LEDs Chip Type
50502835 5050 + 2835

8 PCB Colour Options
- White (Standard - Not Shown)
B Black (Optional)
G Green (Optional)
R Red (Optional)
Y Yellow (Optional)
L Blue (Optional)

9 PCB Coating
- No Coating (Standard)
GS ENIG Gold Series

10 Connector
- No Connector (Standard)
DC DC 2.5 X 5.1MM Barrel Connector

11 Cable Jumps
10CM 10 Centimeter (Standard)
30CM 30 Centimeter (Optional)
XXXX Custom

TECHNICAL DRAWING

