



FlexLED 72 RGB + White AIO (All-In-One) 12V

Flexible High Density LED Tape

Our Brightest 12V High Density FlexLED Tape

Our 12V RGBW produces thousands of different colours while at the same time offering a bright, high CRI white LED. Available in 2700k, 4100k, and 5600k these RGBW All-In-One (AIO) chips are the same RGBW AIO chips used across our entire product line so you can mix n' match between other products and maintain colour consistency.

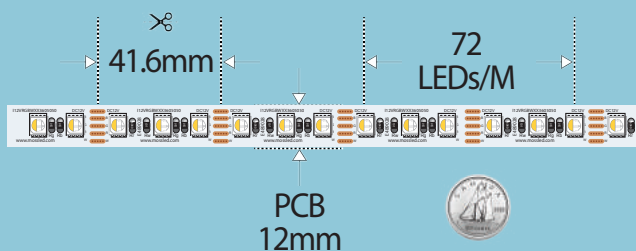
Suitable for residential, television, industrial, and commercial applications

Indoor and weatherproof strips have 3M double-sided tape on the back which makes installation as easy as peel n stick. Waterproof must be mounted using silicone (not provided)

For specifications on Weatherproof and Waterproof product please download specifications sheet below.

Soldering Guidelines:

Soldering iron should be between 360°C and 372°C. Please ensure not to heat each solder pad for longer than 3 seconds otherwise separation of the solder pads can occur.



TECHNICAL SPECIFICATIONS

NO:

White AIO (All-In-One)

1	PRODUCT TYPE	RGB + WARM WHITE	RGB + NEUTRAL WHITE	RGB + COOL WHITE
2	PRODUCT CODE	I12VRGBW273605060	I12VRGBW413605060	I12VRGBW563605060
3	CRI / TLCI	95+		
4	COLOUR TEMP. OR WAVELENGTH	2700K+/-100K	4100K +/-100K	5600K+/-100K
5	PCB COLOUR	WHITE		
6	CURRENT, RATING	1.44 A / METER		
7	VOLTAGE	12 VDC		
8	WATTAGE	17.3 W / METER		
9	CC / CV	CONSTANT VOLTAGE		
10	IP RATING	IP43		
11	LUMENS/METER@FULL	1400 lm / METER		
12	LUMEN / WATT	65		
13	LIFETIME*	40,000 HOURS		
14	CUTTING LENGTH	4.16CM		
15	LEDs/METER QUANTITY	72LED / METER		
16	NUMBER OF CONTACTS	5		
17	LED TYPE	5050		
18	PCB COPPER QUANTITY	3 Oz.		
19	OPERATING TEMPERATURE RANGE	-40° TO + 70° C		
20	AGENCY RATINGS	UL - E489028, CE, RoHS		
21	PCB WIDTH	12MM		
22	MAXIMUM RECOMMENDED LENGTH	5 METERS		
23	VIEWING ANGLE	120°		
24	ADHESION	TESA 4965		

* - NOMINAL LIFETIME BASED ON IDEAL INSTALLATION LOCATION CONDITIONS & ASSUMING MAXIMUM OF 16 HOURS PER DAY OF USE
FLEXLED RGBW 72 SKU ORDERING CODES

-	I	12	V	RGBW	XX	360	5060	-	-	-
1	2	3	4	5	6	7	8	9	10	11
Series	IP Rating (IP43)	Operating Voltage	Voltage	Colour Temperature Range	Kelvin	LED Qty.	Chip Type	PCB Colour	PCB Coating	Connector

1 Family Series

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2 IP Rating

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

3 Voltage

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

4 Voltage Type

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

5 Colour Range

RGBW RGBW

6 Colour Temperature

27 2700K
41 4100K
56 5600K
XX (Custom CCT Available)

7 LEDs per meter

360 72 LED/meter
XXX Custom LED Density

8 Chip Type

5060 RGBW All-In-One Chip

9 PCB Colour Options

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

10 PCB Coating

- No Coating (Standard)
GS ENIG Gold Series

11 Connector

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