

FlexLED RGB

High Output Color Changing LED strips

Our RGB LED ribbon is available in two different densities, 60 LED/meter, and 96 LED/meter. Both versions utilize the same high brightness and high efficiency 5050 chip. Both come standard with 3M 200MP double-sided adhesive that makes installation as easy a peel n' stick. Installing onto a clean, dry surface in room temperature ensures the product will stay where you install it for many years to come.

The 60 LED/meter is ideally suited for most applications, however when very bright RGB output is required, the 96 LED/meter is available and produces a 60% increase in brightness over the 60 LED/meter.

The 60 LED/meter at 5 meters falls into a class 2 specification drawing only 14.4 watts / meter (72 watts when powered from both ends) (64.3 watts when powered from one end)

The 96 LED/meter at 5 meters falls above a class 2 specification drawing 23 watts / meter (115 watts when powered from both ends) (100 watts when powered from one end)

Suitable for residential, television, industrial, and commercial applications or anywhere RGB LED lighting is required.

24V DC	120° BEAM ANGLE	5 years	Dimmable	5M (16.4')	CUSTOMIZED LENGTHS
UL LISTED E489028	RoHS	CE	PCB Width 10MM	IP43 INDOOR	RGB

TECHNICAL SPECIFICATIONS

NO:

RGB

1	PRODUCT TYPE	RGB 60	RGB 96
2	PRODUCT CODE	I24VRGB3005050	I24VRGB4805050
3	CRI / TLCI	N / A	
4	COLOUR TEMP. OR WAVELENGTH	COLOR CHANGING	
5	PCB COLOUR	WHITE	
6	CURRENT, RATING	0.6A / METER	0.96A / METER
7	VOLTAGE	24 VDC	
8	WATTAGE	14.4W / METER	23W / METER
9	WATTAGE @ 5M (POWERED AT ONE END)	64.3 WATTS	100 WATTS
10	WATTAGE @ 5M (POWERED AT BOTH ENDS)	72 WATTS	115 WATTS
11	CC / CV	CONSTANT VOLTAGE	
12	IP RATING	IP43	
13	LUMENS/METER@FULL	1000 lm / METER	1600 lm / METER
14	LUMEN / WATT	69	
15	LIFETIME*	50,000 HOURS (5 YEAR WARRANTY)	
16	CUTTING LENGTH	10 CM	6.25 CM
17	LEDS/METER QUANTITY	60 LED / METER	96 LED / METER
18	NUMBER OF CONTACTS	4	
19	LED TYPE	5050	
20	PCB COPPER QUANTITY	3 Oz.	
21	OPERATING TEMPERATURE RANGE	-40° TO +70° C	
22	AGENCY RATINGS	UL - E489028, CE, RoHS	
23	PCB WIDTH	10MM	
24	MAXIMUM RECOMMENDED LENGTH	10 METERS	5 METERS
25	VIEWING ANGLE	120°	
26	ADHESION	200MP 3M	
27	Wavelength A Red	620 ~ 622.5nm	
28	Wavelength B Green	520 ~ 522.5nm	
29	Wavelength C Blue	470 ~ 472.5nm	

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

TECHNICAL SPECIFICATIONS

FLEXLED RGB 5050 SKU ORDERING CODES

-	I	24	V	RGB	300	5050	-	-	-
1	2	3	4	5	6	7	8	9	10
Series	IP Rating (IP43)	Operating Voltage	Voltage	Colour Temperature Range	LED Qty.	LED Chip	PCB Colour	PCB Coating	Connector

1 Family Series -	2 IP Rating I IP41 - Indoor Use Only O IP67 - Weatherproof Sleeve 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 Temperature Range RGB Colour Changing
6 LEDs per 5 meter Reel 300 300 LEDs 480 480 LEDs	7 LED Chip 5050 5050 Chip Size	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) 5PM 5P Male Connector

Lead time for custom products are typically 6 - 8 weeks. Please contact us to discuss your project requirements.

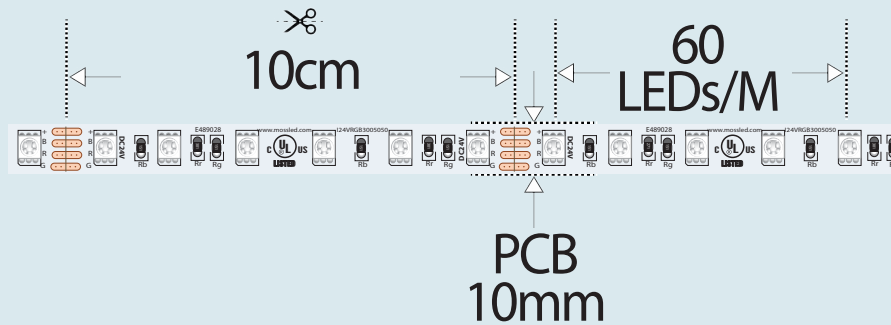
INSTALLATION NOTES

Follow all instructions on bag label
 Install indoor product in dry locations only
 Weatherproof is rated at IP67 and Waterproof is rated at IP68.
 Waterproof FlexLED must be mounted using silicone (not provided)

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.

60 LED/meter Dimensional Diagram



96 LED/meter Dimensional Diagram

