LED STRIP BASIC RGBW 240 IP54

- Flexible, self-adhesive LED strip with protection against splash water and dew humidity
- Ideal for indoor and weather protected outdoor applications
- Current regulation via resistors
- Can be cut at the markings
- Mounting with self-adhesive 3M adhesive tape



PHOTOMETRIC DATA



	51542628	51542633	51542634
Light color	RGBW		
Typ. luminous flux per meter - total	945 lm/m	950 lm/m	1000 lm/m
Typ. luminous flux per meter - red	115 lm/m		
Typ. luminous flux per meter - green	360 lm/m		
Typ. luminous flux per meter - blue	65 lm/m		
Typ. luminous flux per meter - white	405 lm/m	410 lm/m	460 lm/m
Efficiency in total	47 lm/W		50 lm/W
Typ. color rendering index	>90		
LED beam angle	120 °		
Lifetime L70	30000 h		

ELECTRICAL DATA

	51542628	51542633	51542634
Operating voltage	24 V DC		
Typ. operating current	4,2 A		
Typ. power	100 W		
Typ. power per meter	20 W/m		

MECHANICAL DATA

	51542628	51542633	51542634
Length stripe	5000 mm		
Width stripe	12 mm		
Height stripe	2,5 mm		
Number of LEDs per cut	12		
Number of LEDs per metre	240		
Number of cuts	100		
Length per cut	50 mm		
Type of protection	IP 54		
Bending radius	30 mm		
Length connector cable	150 mm		

FURTHER DATA

	51542628	51542633	51542634
Max. operable length ¹	5000 mm		
Operating temperature	-20° C ~ +45 ° C		
Storage temperature	0° C ~ +60° C		

¹The value given applies to the application of the rated voltage at the first module section. When using a supply line, the maximum operable length changes depending on the supply line length and its cross section.

TECHNICAL DRAWING



Bitte beachten: Unzureichende Kühlung beschädigt den LED-Streifen! Verarbeitungshinweise zu LEDlight flex siehe www.barthelme.de | Please note: insufficient cooling will damage the LED strips! Processing notes for LEDlight flex see www.barthelme.de

NOTES

LEDs and the electronic components/devices required for their operation are wearing parts and can function for many years depending on use and location. In general, these products are subject to an aging process, the light output of LEDs decreases in the course of their operating life. The aging of LEDs is due to thermal influences. Our LEDs correspond to the operating life, which has e.g. a L70 value. This means that the installed LEDs of a given type retain at least 70% of their luminous efficiency. Thus, the decrease of the luminous effect of the LED within the above-mentioned scope within the operating life does not represent a defect according to the current state of technology.

Never glue the LED strip over a profile joint! Due to physical expansion or contraction of the profile due to temperature fluctuations, the LED strip can be damaged. This can be remedied by using the right parts for the solder pads at the joint and by using flexible connections, e.g. soldered flexible wire bridges or LED strip connectors.

The adhesion of our LEDlight flex strips to the profiles we offer and their different surfaces has been tested and can be ensured if the processing instructions are followed. If there are adhesion problems between LED strips and aluminum profiles, we recommend pre-treatment with the adhesion promoter "3M[™] Tape Primer 94".

The guarantee period for the product is 2 years and begins on the day of shipment. Reference is the date of the delivery bill. The guarantee period may differ for accessories.



DISPOSAL

Please help to avoid waste. Should you ever wish to part with this item, please remember that many of its components are made of valuable raw materials and can be recycled. Therefore, please do not dispose of it in the dustbin, but please take it to your collection point for electrical appliances. Thank you for your cooperation!

