

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

24 VDC	20 W/m	PITCH 8	120°
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	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	

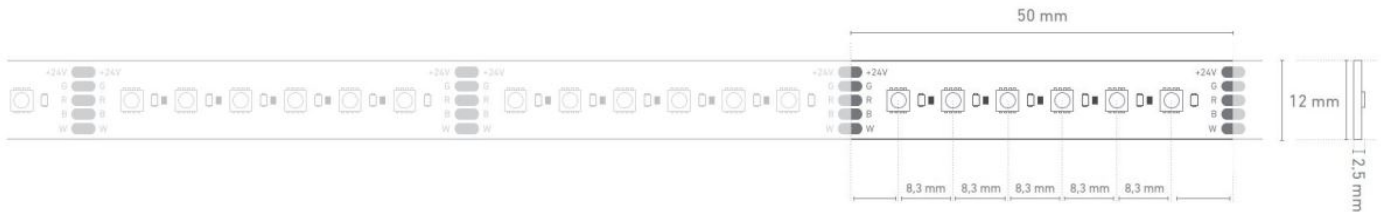
LED strips with IP protection have a silicone micro-coating to protect against splash water and dew. This means that Barthelme lighting solutions can also be used for applications in environments with increased humidity or dew (e.g. bathrooms and protected outdoor areas). Please note that the IP protection layer is damaged when cutting and soldering the LED strips. To restore full protection, the cut and soldered areas must therefore be resealed. A recommendation of the protective lacquers approved by us for this purpose can be found at www.barthelme.de. The use of plug connectors is not permitted for LED strips with IP protection.

FURTHER DATA

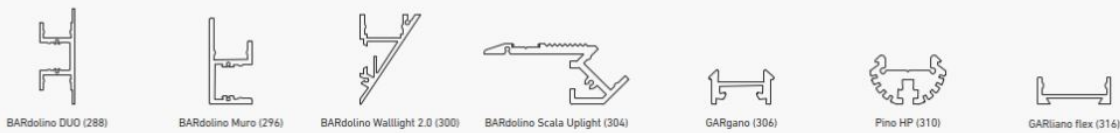
	51542628	51542633	51542634
Max. operable length¹		5000 mm	
Operating temperature		-20° C ~ +45° C	
Storage temperature		0° C ~ +60° C	

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.

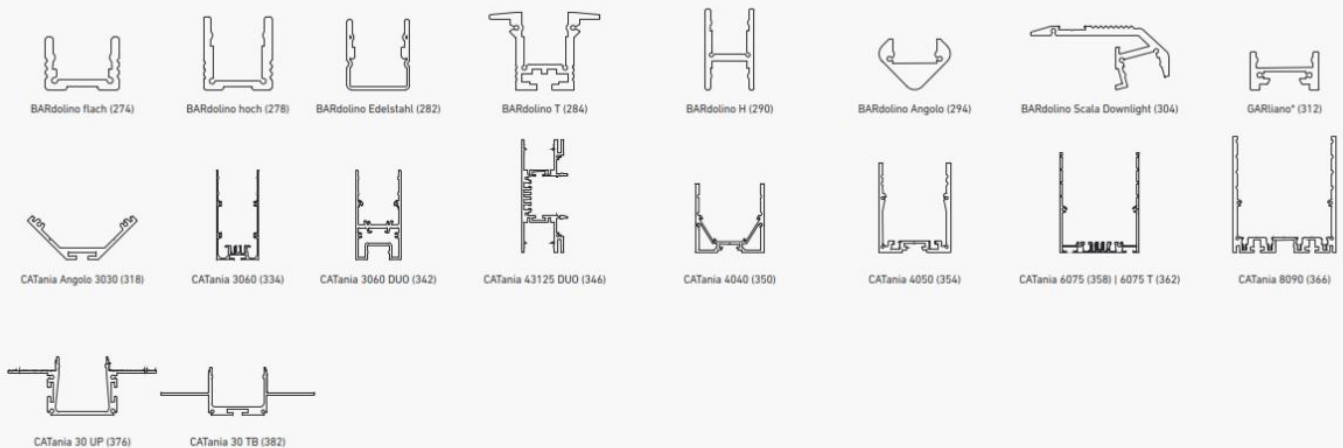
TECHNICAL DRAWING



PROFILNUTZUNG MIT SICHTBAREN LICHTPUNKTEN | PROFILE USE WITH VISIBLE LIGHT POINTS



PROFILNUTZUNG MIT HOMOGENEM LICHT | PROFILE USE WITH HOMOGENEOUS LIGHTING



* = eine homogene Lichtlinie ist nur in Kombination mit einer hohen Abdeckung möglich | a uniform light line is only possible in combination with a high diffuser

** = nur in Kombination mit rechteckiger Abdeckung | only in combination with rectangular diffuser

© max. Ta = 25 °C im Betrieb und Montagesituation Aufbau (Einbau bei CATania 30 UP und CATania 30 TB) ansonsten ggf. unzureichende Kühlung |

© max. Ta = 25 °C in operation and surface mounted installation [recessed installation with CATania 30 UP and CATania 30 TB] otherwise possibility of insufficient cooling

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!

