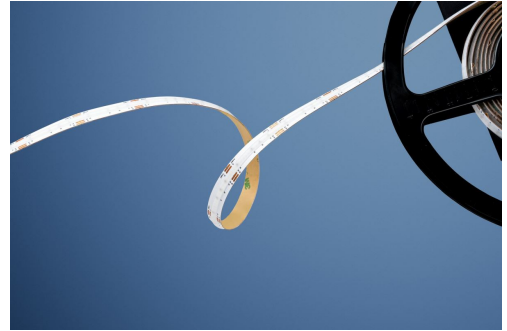


# LED STRIP BASIC CSP 540 RGB

- flexible CSP (chip-scale package) LED strip with advanced LED technology
- can be set to individual colors - ideal for ambient lighting in living areas
- very suitable for installation in flat profiles
- high-quality 3M double-sided adhesive tape on the back for easy installation
- the very short pitch of only 33 mm offers great flexibility in luminaire construction
- infinitely dimmable without loss of efficiency
- extremely high chip density: 540 LED chips per meter
- the beam angle of the CSP LED strip is 150°
- service life: L70 > 50,000 h at Ta < 25 °C



## PHOTOMETRIC DATA

24 VDC	15 W/m	PITCH 5.5	150°	500 cm max
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	51543131
Light color	RGB
Typ. luminous flux per meter - total	550 lm/m
Typ. luminous flux per meter - red	150 lm/m
Typ. luminous flux per meter - green	325 lm/m
Typ. luminous flux per meter - blue	75 lm/m
Efficiency in total	37 lm/W
LED beam angle	150 °
Lifetime L70	50000 h

## ELECTRICAL DATA

	51543131
Operating voltage	24 V DC
Typ. operating current	3,125 A
Typ. power	75 W
Typ. power per meter	15 W/m

## MECHANICAL DATA

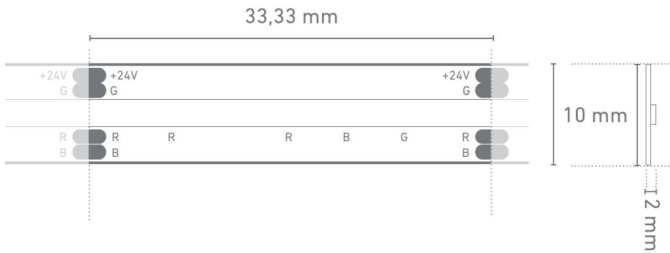
	51543131
Length stripe	5000 mm
Width stripe	10 mm
Height stripe	2 mm
Number of LEDs per cut	18
Number of LEDs per metre	540
Number of cuts	150
Length per cut	33 mm
Type of protection	IP 00
Bending radius	30 mm
Length connector cable	150 mm

## FURTHER DATA

	<b>51543131</b>
<b>Max. operable length<sup>1</sup></b>	5000 mm
<b>Operating temperature</b>	-25 °C ~ +45 °C

<sup>1</sup>The 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.

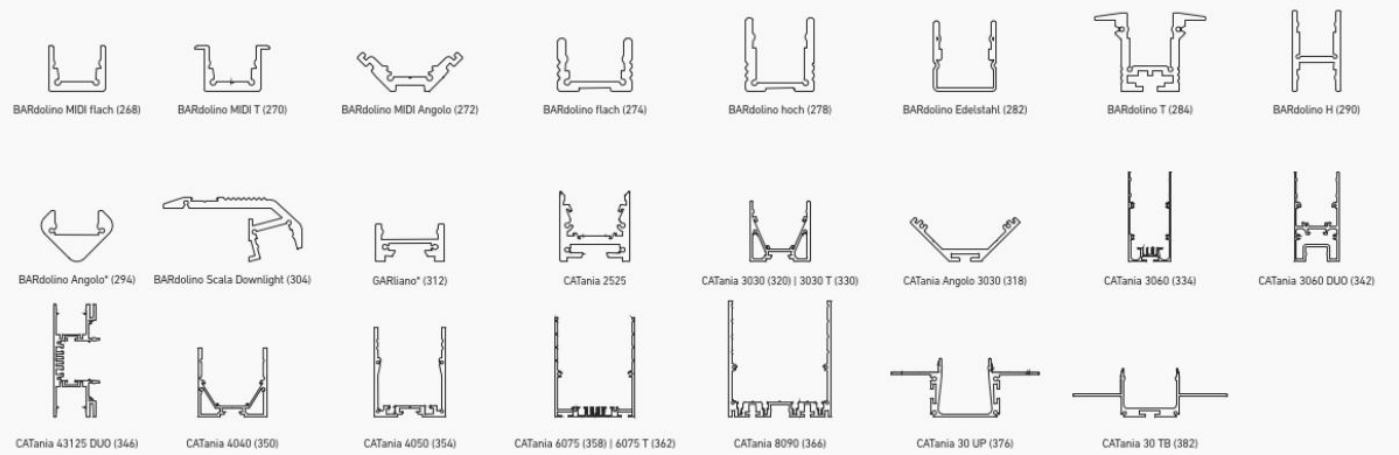
## TECHNICAL DRAWING



### 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](http://www.barthelme.de) | Please note: insufficient cooling will damage the LED strips! Processing notes for LEDlight flex see [www.barthelme.de](http://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!

