

# LED STRIP BASIC 160

- flexibler LED-Streifen für einfache Anwendungen
- ideal für den Einsatz im Innenbereich
- rückseitig mit hochwertigem 3M-Doppelklebeband zur einfachen Montage
- teilbar mittels Schere an Markierung



## PHOTOMETRIC DATA

12 VDC	9,6 W/m	PITCH [6.25]	120°	170 cm <sub>max</sub>
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	51541428	51541433	51541434
Typ. colour temperature ±15%	2700 K	3000 K	4000 K
Light color	warm white	white	cold white
Typ. luminous flux per meter	1270 lm/m	1300 lm/m	1320 lm/m
Efficiency	133 lm/W	136 lm/W	138 lm/W
Typ. color rendering index		>80	
LED beam angle		120 °	
Lifetime L70		30000 h	

## ELECTRICAL DATA

	51541428	51541433	51541434
Operating voltage		12 V DC	
Typ. operating current		4 A	
Typ. power		48 W	
Typ. power per meter		9,6 W/m	

## MECHANICAL DATA

	51541428	51541433	51541434
Length stripe		5000 mm	
Width stripe		8 mm	
Height stripe		2 mm	
Number of LEDs per cut		4	
Number of LEDs per metre		160	
Number of cuts		200	
Length per cut		25 mm	
Type of protection		IP 00	
Bending radius		30 mm	
Length connector cable		150 mm	

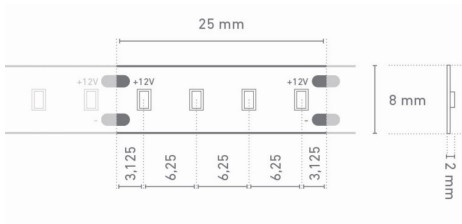
## FURTHER DATA

	51541428	51541433	51541434
Max. operable length <sup>1</sup>		1700 mm	

<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.

The LED strip can be operated up to 5 m, but a visible loss of brightness is possible.

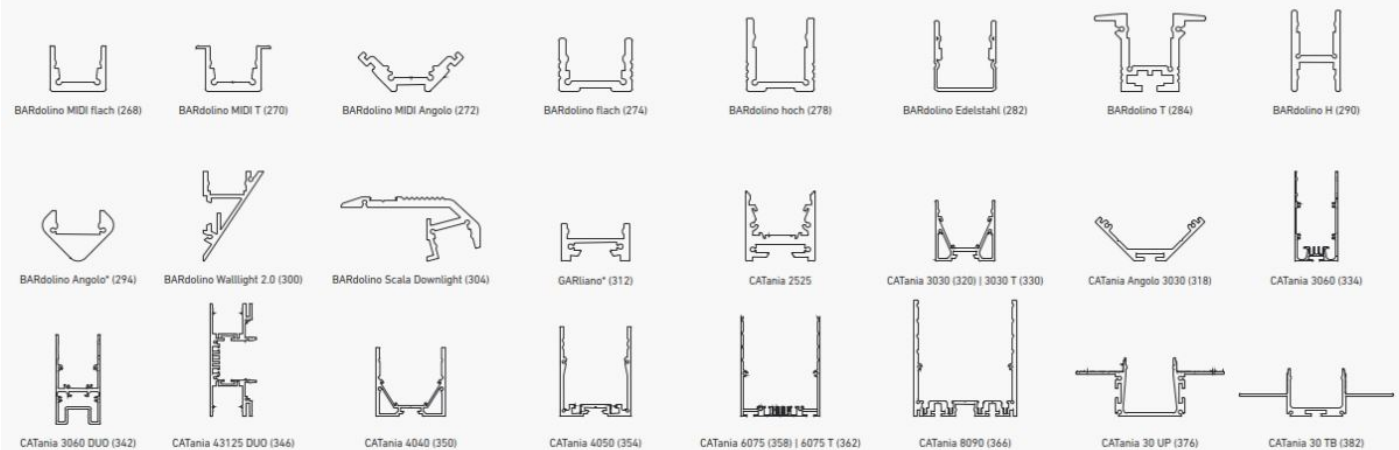
## TECHNICAL DRAWING



### 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 diffusor

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

Ⓜ 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!

