

# LED STRIP BASIC SLIM 240

- flexibler LED-Streifen für Einbausituationen, die besonders kompakte Bauteilgrößen erfordern
- die Streifenbreite von nur 4 mm und das extrem kurze Teilungsmaß von nur 8,33 mm bietet große Flexibilität im Leuchten-Bau
- hohe Lichtqualität und naturgetreue Darstellung von Farben durch einen hohen Farbwiedergabeindex > 90 (CRI>90)



## PHOTOMETRIC DATA

24 VDC	9,6 W/m	PITCH 4,2	120°	4 350 cm max
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	51541527	51541530	51541540
Typ. colour temperature ±15%	2700 K	3000 K	4000 K
Light color	warm white	white	cold white
Typ. luminous flux per meter	1000 lm/m	1100 lm/m	1200 lm/m
Efficiency	104 lm/W	115 lm/W	125 lm/W
Typ. color rendering index	90		
LED beam angle	120 °		
Lifetime L70	50000 h		

## ELECTRICAL DATA

	51541527	51541530	51541540
Operating voltage	24 V DC		
Typ. operating current	2 A		
Typ. power	48 W		
Typ. power per meter	9,6 W/m		

## MECHANICAL DATA

	51541527	51541530	51541540
Length stripe	5000 mm		
Width stripe	4 mm		
Height stripe	1,3 mm		
Number of LEDs per metre	240		
Number of cuts	600		
Type of protection	IP 00		
Bending radius	30 mm		
Length connector cable	150 mm		

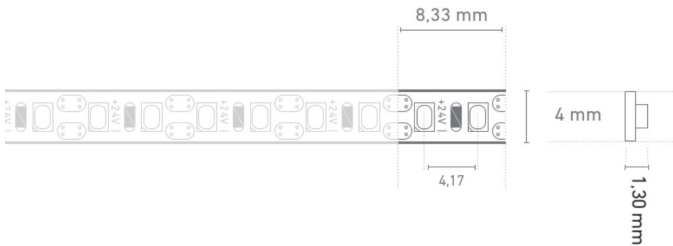
## FURTHER DATA

	51541527	51541530	51541540
Max. operable length <sup>1</sup>	3500 mm		
Operating temperature	-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.

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

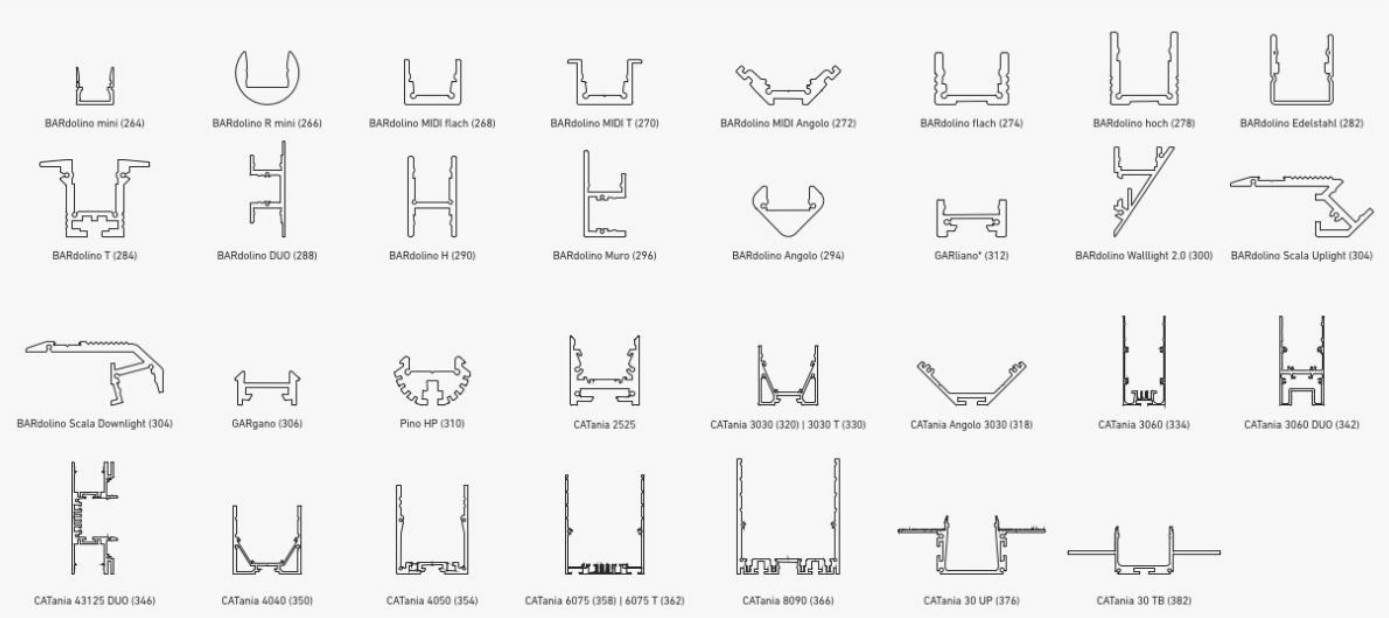
## TECHNICAL DRAWING



### 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 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!

