

# LEDlight flex 12 8p COLOR

- LED strips for single-color light lines
- ideal for bright, colored lighting (lighter compared to RGB)
- operating life L70 > 30,000 h at Tc < 80 °C
- current regulation by IC for constant brightness over the entire light line with integrated overheating protection
- with reverse polarity protection diode
- with TVS surge protection diode
- with high-quality 3M double adhesive tape



Please observe the installation and safety instructions at <https://www.barthelme.de/content/en/manuals.aspx> !

## PHOTOMETRIC DATA

	50412011	50412022
Typ. wavelength	625 nm	593 nm
Light color	red	amber
Typ. luminous flux per meter	710 lm/m	690 lm/m
Efficiency	40 lm/W	41 lm/W
Energy efficiency class	B	
LED beam angle	120 °	
Lifetime L70	>30000 h	

## ELECTRICAL DATA

	50412011	50412022
Operating voltage	24 V DC	
Typ. operating current	3,625 A	
Typ. power	87 W	
Typ. power per meter	17,3 W/m	

## MECHANICAL DATA

	50412011	50412022
Length stripe	5040 mm	
Width stripe	8 mm	
Height stripe	1,4 mm	
Number of LEDs per cut	7	
Number of cuts	56	
Length per cut	90 mm	
Type of protection	IP 00	
	50012011	50012022
Cut	Cut	

ORDER YOUR DESIRED INDIVIDUAL STRIP LENGTH [CUT]: The order quantity is a multiple of the smallest cutting length of the LED strip (cut). Ordering example: To order your required length of 210 cm of LEDlight flex High Efficiency 08 8 cool white (4000 K): 35x Art.-No. 50008634 (cut length 60 mm x 35 = 210 cm). If you re-quire varying strip lengths then please order each strip length as a separate position.

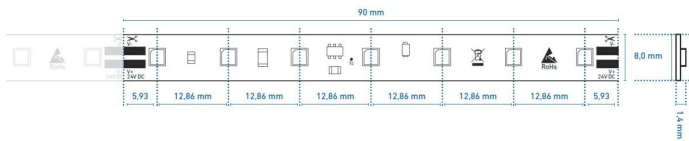
## FURTHER DATA

	50412011	50412022
Max. operable length <sup>1</sup>	5040 mm	
Storage temperature	-30° C ~ +80° C	
Max. temperature Tc <sup>2</sup>	80 ° C	

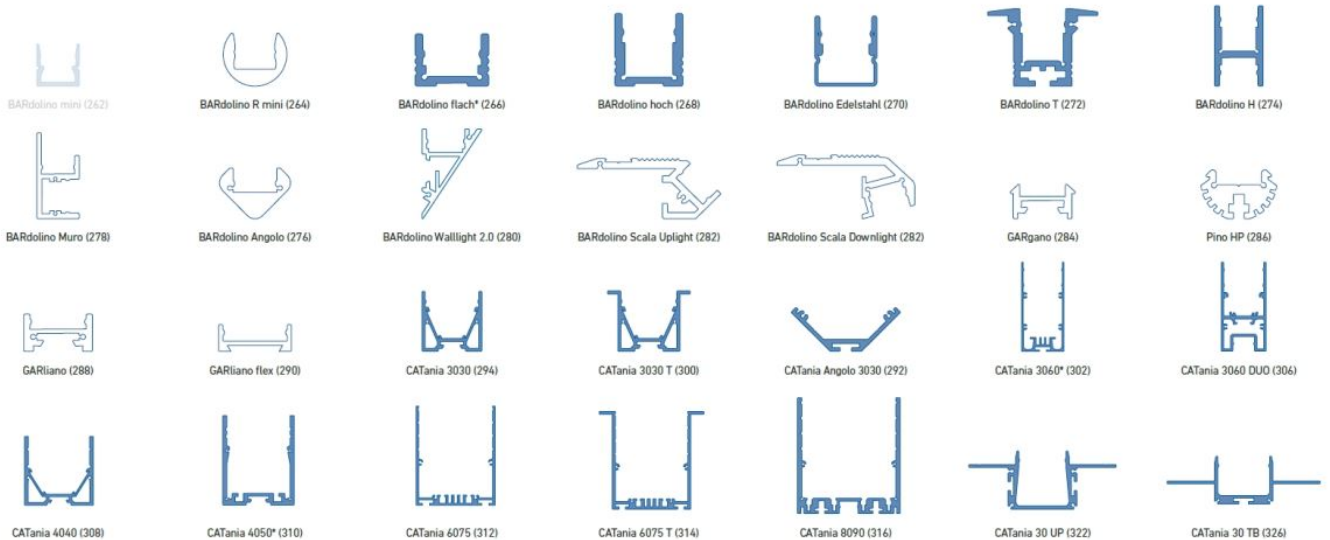
<sup>1</sup>The value given applies to the application of the rated voltage at the first module section. When using a supply line, the maximum operable length changes depending on the supply line length and its cross section. At [www.barthelme.de](http://www.barthelme.de) you will find an overview table for orientation.

<sup>2</sup>The Tc point is marked on each cut. This should be measured in the thermally stable state.

## TECHNICAL DRAWING



## USE IN PROFILES



weiß: LED-Punkte sichtbar, kein homogenes Lichtbild | white: LED dots visible, no uniform light distribution

blau: homogenes Lichtbild möglich | blue: uniform light distribution is possible

\* = 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

@ 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 S. 368 | Please note: insufficient cooling will damage the LED strips! Processing notes for LEDlight flex see p. 368

The guarantee period for the product is 5 years and begins on the day of shipment.

Reference is the date of the delivery bill. The guarantee period may differ for accessories.