LEDlight flex 12 8p High Efficiency Pro

- LED strips for highest demands
- ideal for applications with high daily operating time
- long light lines possible with only one in-feed due to double layer FPC
- very long service life L90/B10 > 60,000 h at Tc < 80 °C
- current regulation by IC for constant brightness over the entire light line
- with reverse polarity protection and 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 !

Note re light sources/EPREL: Our LED reels are not subject to classification according to the currently valid regulations. An LED reel contains interconnected light sources, the number and energy efficiency class of which are listed in the data sheet.

PHOTOMETRIC DATA

CV | 24 VDC | 32 W/m | 78 m | PITCH 12 | 120° | SDCM 3 | 243 cm max

	50409929	50409925	50409928	50409933	50409927	50409934	50409915
Typ. color temperature	2200 K	2500 K	2700 K	3000 K	3500 K	4000 K	5700 K
Light color	super warm white		warm white	white		cold white	daylight
Typ. luminous flux per meter	3609 lm/m	3952 lm/m	4151 lm/m	4295 lm/m	4658 lm/m	4426 lm/m	4934 lm/m
Efficiency	113 lm/W	124 lm/W	130 lm/W	134 lm/W	146 lm/W	139 lm/W	154 lm/W
Built-in light source	C50009929	C50009925	C50009928	C50009933	C50009927	C50009934	C50009915
Number of light sources	24						
EEC of built-in light source	F	E					D
Typ. color rendering index	84						
LED beam angle	120 °						
Lifetime L90/B10	>60.000 h						

ELECTRICAL DATA

	50409929	50409925	50409928	50409933	50409927	50409934	50409915
Operating voltage	24 V DC						
Typ. operating current	2,88 A						
Typ. power	69 W						
Typ. power per meter	32 W/m						

MECHANICAL DATA

	50409929	50409925	50409928	50409933	50409927	50409934	50409915
Length stripe	2160 mm						
Width stripe	8 mm						
Height stripe	1,4 mm						
Number of LEDs per cut	7						
Number of cuts	24						
Length per cut	90 mm						
Type of protection	IP 00						
	50009929	**50009925**	**50009928**	**50009933**	**50009927**	**50009934**	**50009915**
Color temperature	2200 K	2500 K	2700 K	3000 K	3500 K	4000 K	5700 K
EEC of built-in light source	F	E					D
Cut	Cut length 90 mm						

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.

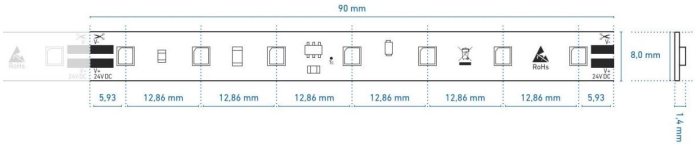
FURTHER DATA

	50409929	50409925	50409928	50409933	50409927	50409934	50409915
Max. operable length[1]	2430 mm						
Storage temperature	-30° C ~ +80° C						
Max. temperature Tc[2]	80 ° C						

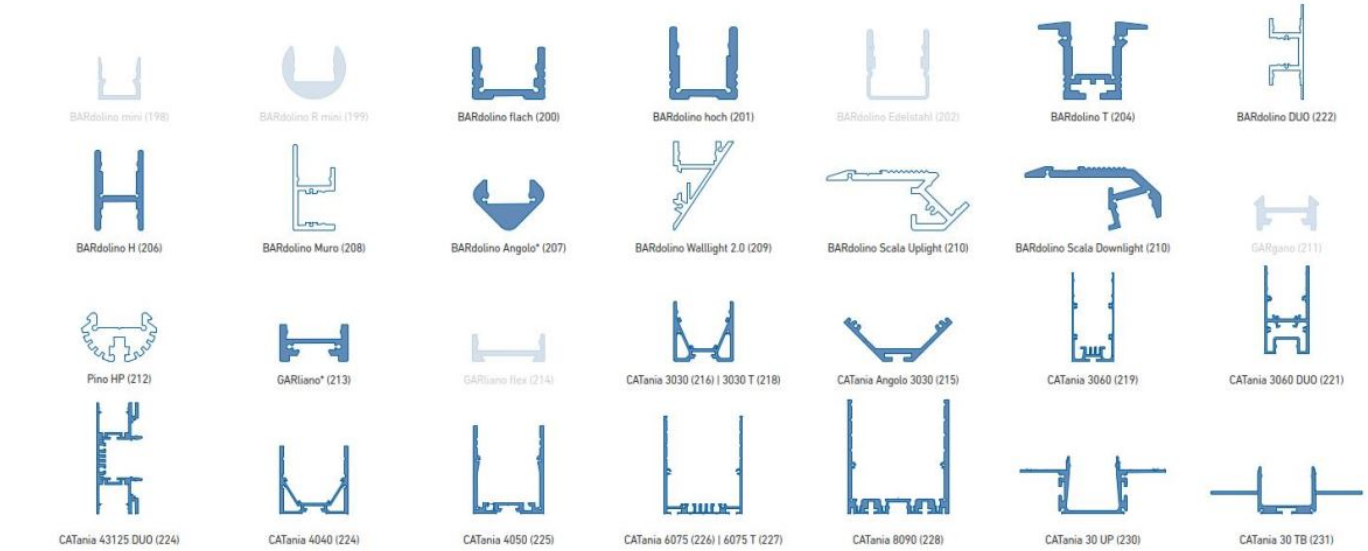
[1]The value given applies to the application of the rated voltage at the first module section. When using a supply line, the maximum operable length changes depending on the supply line length and its cross section. At www.barthelme.de you will find an overview table for orientation.

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

NOTE

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 L90/B10 value. This means that the installed LEDs of a given type retain at least 90% of their luminous efficiency and a maximum of 10% of the installed LEDs can deviate from this. 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 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.