

# LEDlight flex 10 6f

- binned according to 2 Step MacAdam per light colour
- narrow, only 6 mm wide LED strip
- especially suitable for the edge illumination of plastic panes in limited spaces
- 45° arrangement of the LEDs for optimal illumination when short distance to diffuser
- LED chips with efficient heat management and good light yield
- with reverse polarity diode
- long LED lifetime due to current limiter with integrated temperature control, high amount of copper in FPC and 3M thermoconducting adhesive tape
- estimated lifetime L70 at Tc < 80 °C: > 60,300 h



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

## LED REEL



## LIGHT DATA

	50421711	50421713	50421714	50421722	50421729	50421728	50421733	50421727	50421734	50421715
Typ. color temperature					2300 K	2700 K	3000 K	3500 K	4000 K	5500 K
Typ. wavelength	625 nm	525 nm	470 nm	593 nm						
Light color	red	green	blue	amber	super warm white	warm white	white		cold white	daylight
Typ. luminous flux per meter	300 lm/m	590 lm/m	130 lm/m	320 lm/m	850 lm/m					
Efficiency	41 lm/W	74 lm/W	16 lm/W	40 lm/W	106 lm/W					
Energy efficiency class	B	A	C	B	A+					
Typ. color rendering index					83					
LED beam angle					120 °					
Lifetime L70	>30000 h				>60300 h					

## POWER DATA

	50421711	50421713	50421714	50421722	50421729	50421728	50421733	50421727	50421734	50421715
Operating voltage	24 V DC									
Typ. operating current	2,04 A									
Typ. power	49 W									
Power per meter	8 W/m									
Lifetime L70	>30000 h				>60300 h					

## FURTHER DATA

	50421711	50421713	50421714	50421722	50421729	50421728	50421733	50421727	50421734	50421715
Number of cuts	102									
Length smallest unit/cut	60 mm									
Number of LEDs per unit/cut	6									
Max. temperature Tc	80 ° C									
Length stripe	6120 mm									
Width stripe	6 mm									
Height stripe	1,4 mm									
Max. operable length	6120 mm									

Maximum values at Ta=25°C

## CUT

	50001711	50001713	50001714	50001722	50001729	50001728	50001733	50001727	50001734	50001715
<b>Typ. color temperature</b>	2300 K 2700 K 3000 K 3500 K 4000 K 5500 K									
<b>Light color</b>	red	green	blue	amber	super warm white	warm white	white		cold white	daylight
<b>Operating voltage</b>	24 V DC									
<b>Typ. operating current</b>	21 mA									
<b>Typ. power</b>	0,5 W									
<b>Typ. luminous flux per meter</b>	300 lm/m	590 lm/m	130 lm/m	320 lm/m	850 lm/m					
<b>Efficiency</b>	41 lm/W	74 lm/W	16 lm/W	40 lm/W	106 lm/W					
<b>Energy efficiency class</b>	A++		A		A++					
<b>Number of LEDs per cut</b>	6									
<b>Length cut</b>	60 mm									

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.