

LEDlight flex 10 8 ULTRA HIGH EFFICIENCY 2000 2.0

- LED strips for highest demands
- excellent color rendering: CRI > 94
- ideal for applications with high daily operating time
- long light lines possible with only one in-feed due to double layer FPC
- very long operating life L90/B10 > 60,000 h at Tc < 80 °C
- current regulation by IC for constant brightness over the entire light line
- 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> !

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



	50416328	50416333	50416334	50416315
Typ. color temperature	2700 K	3000 K	4000 K	5700 K
Light color	warm white	white	cold white	daylight
Typ. luminous flux per meter	1946 lm/m	2045 lm/m	2126 lm/m	2065 lm/m
Efficiency	175 lm/W	184 lm/W	192 lm/W	186 lm/W
Number of light sources	60			
EEC of built-in light source	C			
Typ. color rendering index	96			
LED beam angle	120 °			
Lifetime L90/B10	>60000 h			

ELECTRICAL DATA

	50416328	50416333	50416334	50416315
Operating voltage	24 V DC			
Typ. operating current	2,2 A			
Typ. power	53,3 W			
Typ. power per meter	11,1 W/m			

MECHANICAL DATA

	50416315	50416328	50416333	50416334
Length stripe	4800 mm			
Width stripe	8 mm			
Height stripe	1,4 mm			
Number of LEDs per cut	8			
Number of LEDs per metre	100			
Number of cuts	60			
Length per cut	80 mm			
Type of protection	IP 00			
Bending radius	20 mm			
Länge Anschlusskabel	500 mm			

	50016328	50016333	50016334	50016315
Color temperature	2700 K	3000 K	4000 K	5700 K
EEC of built-in light source	C			
Cut	Cut length 80 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.

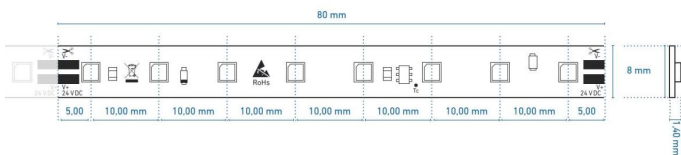
FURTHER DATA

	50416328	50416333	50416334	50416315
Max. operable length¹	5760 mm			
Storage temperature	-30° C ~ +80° C			
Max. temperature Tc²	80 ° C			

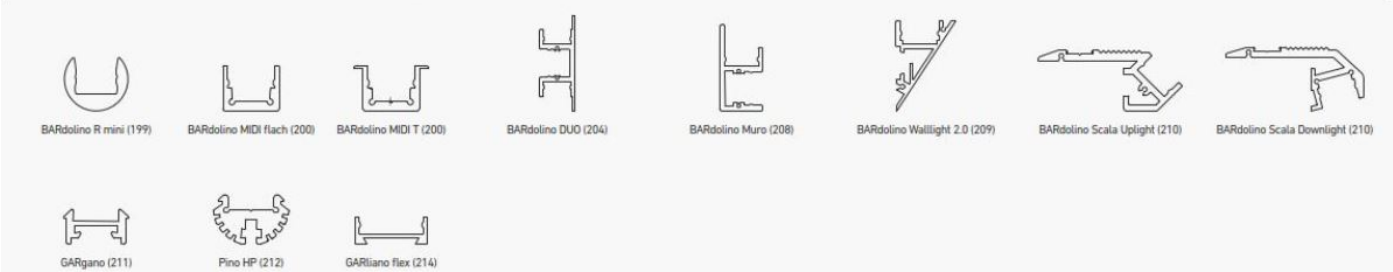
¹The value given applies to the application of the rated voltage at the first module section. When using a supply line, the maximum operable length changes depending on the supply line length and its cross section. At www.barthelme.de you will find an overview table for orientation.

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

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

ENTSORGUNG

Bitte helfen Sie mit, Abfall zu vermeiden. Sollten Sie sich einmal von diesem Artikel trennen wollen, so bedenken Sie bitte, dass viele seiner Komponenten aus wertvollen Rohstoffen bestehen und wiederverwertet werden können. Entsorgen Sie ihn daher nicht in der Mülltonne, sondern führen Sie ihn bitte Ihrer Sammelstelle für Elektrogeräte zu. Vielen Dank für Ihre Mithilfe!

