**Barthelme**
LED Solutions

# LEDlight flex 16 8p STANDARD 500

- Length 2000 cm
- LED strips for common applications
- ideal for use in living areas
- good color rendering: CRI Ra typ. 90
- good efficiency: up to 118 lm/W at 4000 K
- long operating life L70 > 60,000 h at Tc < 80 °C
- current regulation by IC for constant brightness over the entire light line with integrated overheating protection
- with TVS surge protection diode
- with high-quality 3M double adhesive tape

*Abbildung ähnlich

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

## PHOTOMETRIC DATA

|  | 50410928 | 50410933 | 50410934 |
|---|---|---|---|
| Typ. color temperature | 2700 K | 3000 K | 4000 K |
| Light color | warm white | white | cold white |
| Typ. luminous flux per meter | 480 lm/m | 530 lm/m | 560 lm/m |
| Efficiency | 100 lm/W | 111 lm/W | 118 lm/W |
| Energy efficiency class | A+ | A++ | |
| Typ. color rendering index | 90 | | |
| LED beam angle | 120 ° | | |
| Lifetime L70 | >60000 h | | |

## ELECTRICAL DATA

|  | 50410928 | 50410933 | 50410934 |
|---|---|---|---|
| Operating voltage | 24 V DC | | |
| Typ. operating current | 1000 mA | | |
| Typ. power | 24 W | | |
| Typ. power per meter | 4,8 W/m | | |
| ESD protection | 5000 V | | |

## MECHANICAL DATA

|  | 50410928 | 50410933 | 50410934 |
|---|---|---|---|
| Length stripe | 20000 mm | | |
| Width stripe | 8 mm | | |
| Height stripe | 1,4 mm | | |
| Number of LEDs per cut | 6 | | |
| Number of cuts | 200 | | |
| Length per cut | 100 mm | | |
| Type of protection | IP 00 | | |
|  | 50010728 | 50010733 | 50010734 |
| 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.
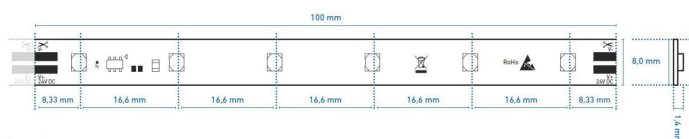
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## FURTHER DATA

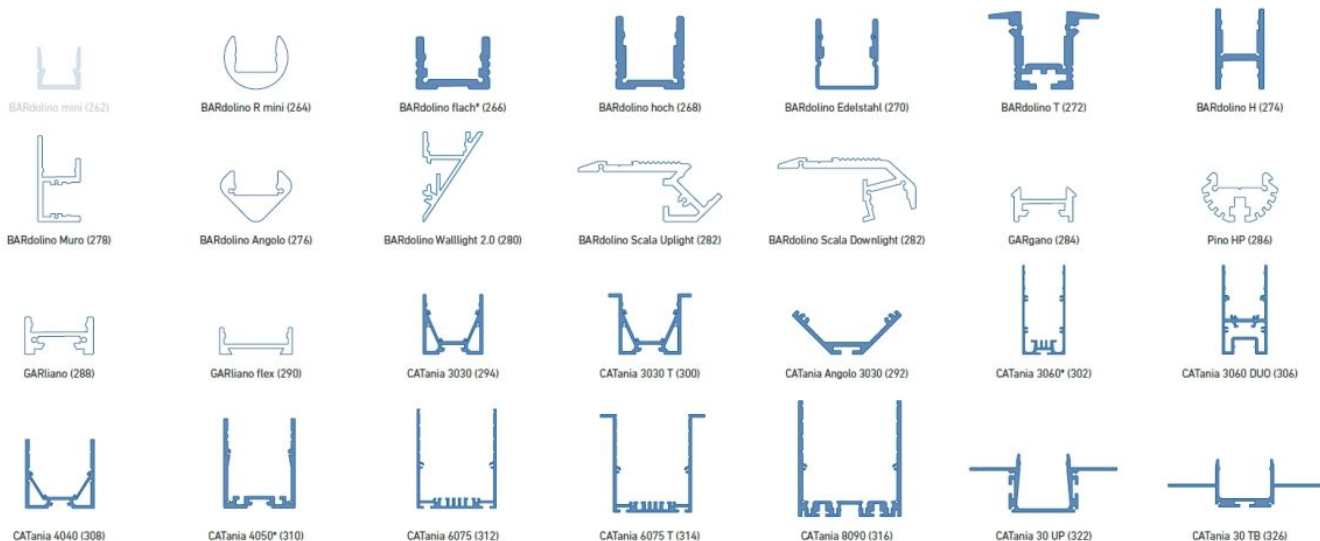| | 50410928 | 50410933 | 50410934 |
|---|---|---|---|
| **Max. operable length[1]** | | 10300 mm | |
| **Storage temperature** | | -30° C ~ +80° C | |
| **Max. temperature Tc[2]** | | 80 ° C | |

[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



BARdolino mini (262)  BARdolino R mini (264)  BARdolino flach* (266)  BARdolino hoch (268)  BARdolino Edelstahl (270)  BARdolino T (272)  BARdolino H (274)

BARdolino Muro (278)  BARdolino Angolo (276)  BARdolino Walllight 2.0 (280)  BARdolino Scala Uplight (282)  BARdolino Scala Downlight (282)  GARgano (284)  Pino HP (286)

GARliano (288)  GARliano flex (290)  CATania 3030 (294)  CATania 3030 T (300)  CATania Angolo 3030 (292)  CATania 3060* (302)  CATania 3060 DUO (306)

CATania 4040 (308)  CATania 4050* (310)  CATania 6075 (312)  CATania 6075 T (314)  CATania 8090 (316)  CATania 30 UP (322)  CATania 30 TB (326)

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 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.

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