

LEDlight flex 15 8p RGB Com-

- control via com- (common cathode)
- LED strips for signalling in commercial and industrial applications
- current control via IC for constant brightness over the entire light line
- with TVS overvoltage protection diode
- with high quality 3M double sided adhesive tape
- operating life L70 > 30,000 at Tc < 67 °C



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

PHOTOMETRIC DATA



	50415031
Typ. wavelength	621 nm;527 nm;467 nm
Light color	RGB
Typ. luminous flux per meter - total	1000 lm/m
Typ. luminous flux per meter - red	240 lm/m
Typ. luminous flux per meter - green	640 lm/m
Typ. luminous flux per meter - blue	120 lm/m
Effizienz - gesamt	45 lm/W
Effizienz - rot	33 lm/W
Effizienz - grün	89 lm/W
Effizienz - blau	17 lm/W
LED beam angle	120 °
Lifetime L70	>30000 h

Note: Our RGB bands are principally intended as an accent and mood lighting. The LEDs are binned on brightness and wavelength (when choosing one of these colors the band in color/brightness is uniform), but when mixing the 3 colors to "white" the whiteness within the stripe can distinguish visible.

ELECTRICAL DATA

	50415031
Operating voltage	24 V DC
Typ. operating current	4,58 A
Typ. power	110 W
Typ. power per meter	22,2 W/m

MECHANICAL DATA

	50415031
Length stripe	4950 mm
Width stripe	8 mm
Height stripe	1,8 mm
Number of LEDs per cut	6
Number of LEDs per metre	66
Number of cuts	55
Length per cut	90 mm
Type of protection	IP 00
Bending radius	20
Länge Anschlusskabel	500 mm
	50015031
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.

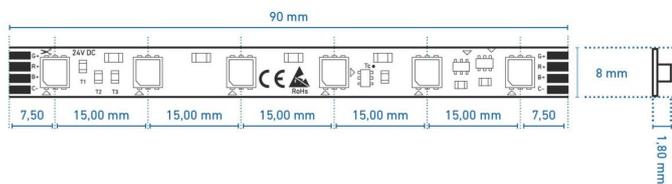
GENERAL DATA

	50415031
Max. operable length ¹	8550 mm
Storage temperature	-30° C ~ +80° C
Max. temperature Tc ²	67° C

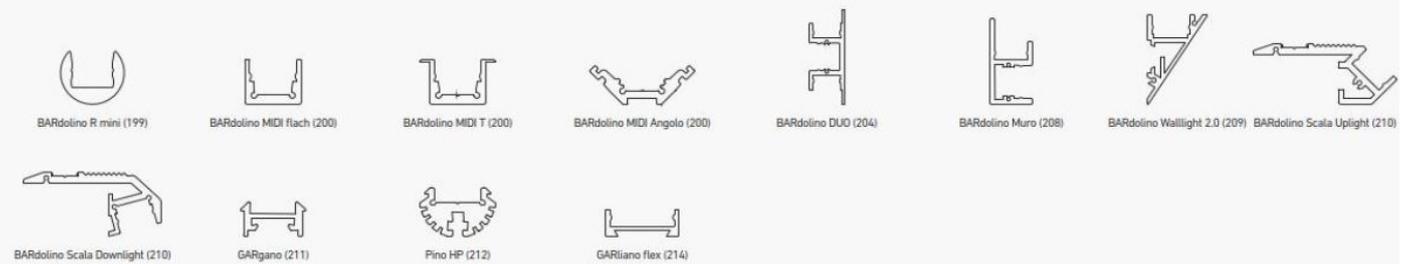
¹The value given applies to the application of the rated voltage at the first module section. When using a supply line, the maximum operable length changes depending on the supply line length and its cross section. At www.barthelme.de you will find an overview table for orientation.

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

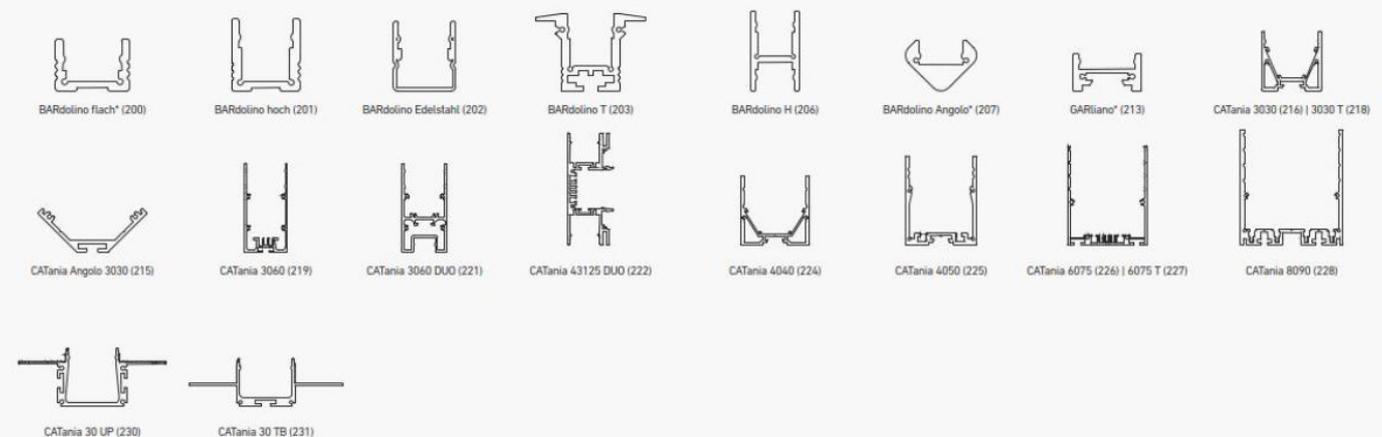
TECHNICAL DRAWING



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!

