

LEDlight flex 15 8p RGB

- delivers luminous flux up to 740 lm/m
- LED chips with efficient heat management and good light yield
- individual setting of colours through the straightforward regulation via com+ (we recommend our CHROMOFLEX series)
- tool-free connection possible with plug connectors
- long lifetime with current limiter incl. temperature control, high amount of copper in FPC and 3M thermoconducting adhesive tape



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

PHOTOMETRIC DATA



| | 50324631 |
|--------------------------------------|----------------------|
| Typ. wavelength | 625 nm;525 nm;470 nm |
| Light color | RGB |
| Typ. luminous flux per meter - total | 740 lm/m |
| Efficiency total | 46 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

| | 50324631 |
|------------------------|----------|
| Operating voltage | 24 V DC |
| Typ. operating current | 2,75 A |
| Typ. power | 66 W |
| Typ. power per meter | 16 W/m |

MECHANICAL DATA

| | 50324631 |
|--------------------------|-----------------|
| Length stripe | 3960 mm |
| Width stripe | 8 mm |
| Height stripe | 2,5 mm |
| Number of LEDs per cut | 6 |
| Number of LEDs per metre | 66 |
| Number of cuts | 44 |
| Length per cut | 90 mm |
| Type of protection | IP 00 |
| Bending radius | 20 |
| Length connector cable | 500 mm |
| | 50001531 |
| Cut | Cut Länge 90 mm |

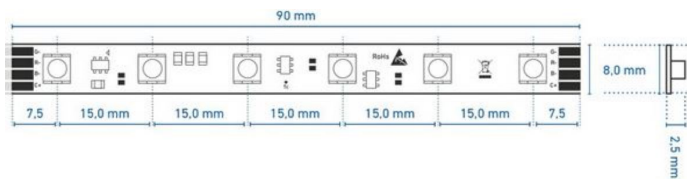
GENERAL DATA

| | 50324631 |
|-----------------------------------|-----------------|
| Max. operable length ¹ | 6660 mm |
| Storage temperature | -30 °C ~ +80 °C |
| Max. temperature Tc ² | 65 °C |

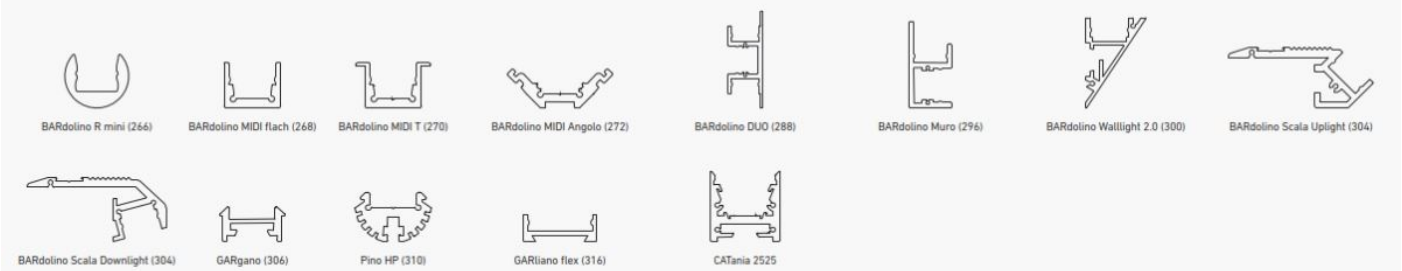
¹The value given applies to the application of the rated voltage at the first module section. When using a supply line, the maximum operable length changes depending on the supply line length and its cross section. At www.barthelme.de you will find an overview table for orientation.

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 adhesion of our LEDlight flex strips to the profiles we offer and their different surfaces has been tested and can be ensured if the processing instructions are followed. If there are adhesion problems between LED strips and aluminum profiles, we recommend pre-treatment with the adhesion promoter "3M™ Tape Primer 94".

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.

DISPOSAL

Please help to avoid waste. Should you ever wish to part with this item, please remember that many of its components are made of valuable raw materials and can be recycled. Therefore, please do not dispose of it in the dustbin, but please take it to your collection point for electrical appliances. Thank you for your cooperation!

