LED STRIP BASIC CSP 540 RGB IP54

- flexible CSP (chip-scale package) LED strip with advanced LED technology and high luminous efficacy with protection against splash water and dew moisture
- ideal for indoor and weather-protected outdoor applications
- can be set to individual colors - ideal for ambient lighting in living areas
- very suitable for installation in flat profiles
- high-quality 3M double-sided adhesive tape on the back for easy installation
- the very short pitch of only 33 mm offers great flexibility in luminaire construction
- infinitely dimmable without loss of efficiency
- extremely high chip density: 540 LED chips per meter
- the beam angle of the CSP LED strip is 150°

PHOTOMETRIC DATA

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Light color	RGB
Typ. luminous flux per meter - total	550 lm/m
Typ. luminous flux per meter - red	150 lm/m
Typ. luminous flux per meter - green	325 lm/m
Typ. luminous flux per meter - blue	75 lm/m
Efficiency in total	37 lm/W
LED beam angle	150 °
Lifetime L70	50000 h

ELECTRICAL DATA

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Operating voltage	24 V DC
Typ. operating current	3,125 A
Typ. power	75 W
Typ. power per meter	15 W/m

MECHANICAL DATA

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Length stripe	5000 mm
Width stripe	10 mm
Height stripe	2 mm
Number of LEDs per metre	540
Number of cuts	150
Length per cut	33 mm
Type of protection	IP 54
Bending radius	30 mm
Length connector cable	150 mm

LED strips with IP protection have a silicone micro-coating to protect against splash water and dew. This means that Barthelme lighting solutions can also be used for applications in environments with increased humidity or dew (e.g. bathrooms and protected outdoor areas). Please note that the IP protection layer is damaged when cutting and soldering the LED strips. To restore full protection, the cut and soldered areas must therefore be resealed. A recommendation of the protective lacquers approved by us for this purpose can be found at www.barthelme.de. The use of plug connectors is not permitted for LED strips with IP protection.

FURTHER DATA

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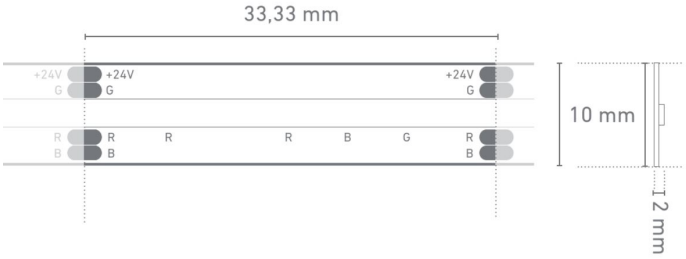
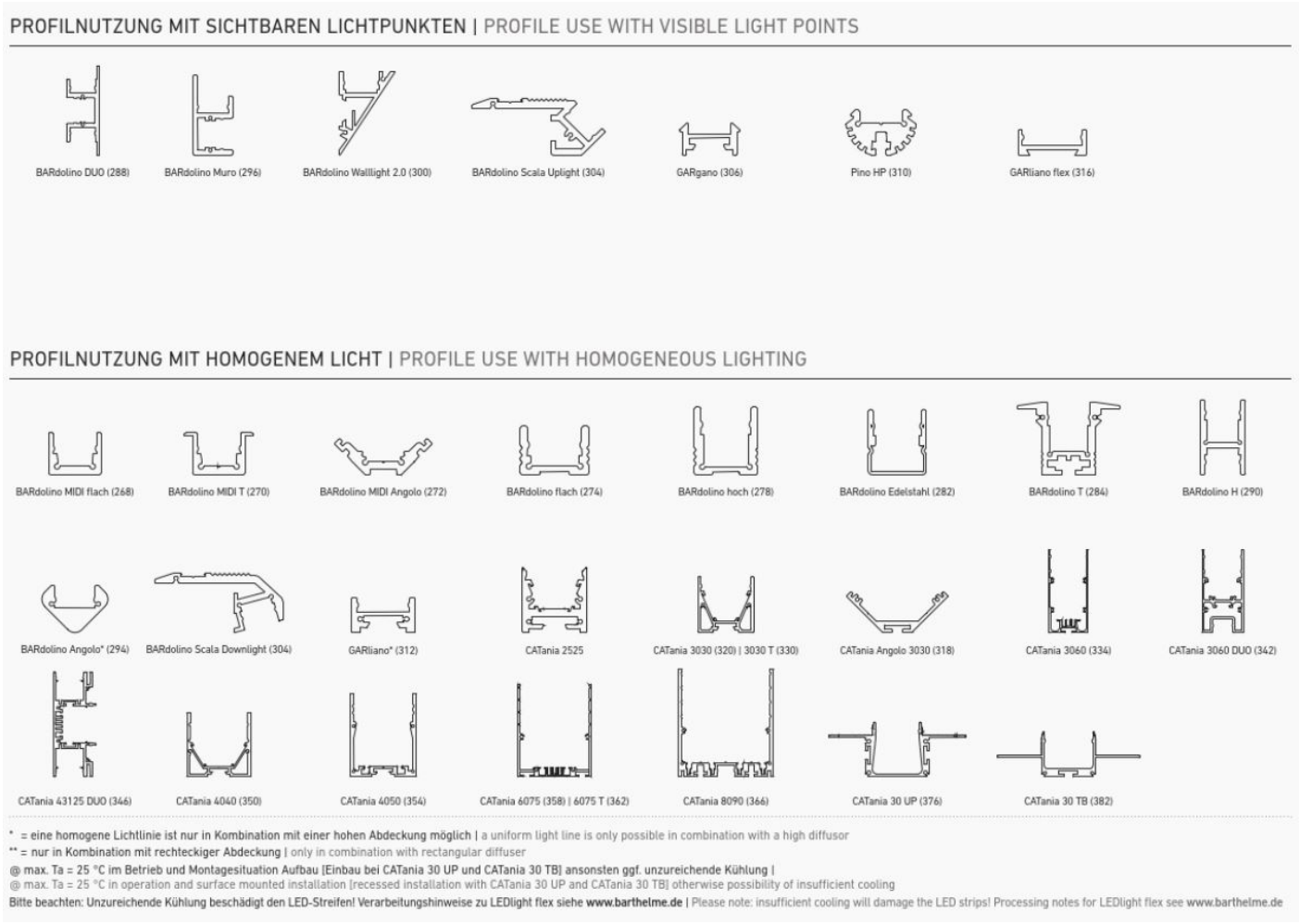
Max. operable length[1]	5000 mm
Operating temperature	-25 ° C ~ +45 ° C

[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.

TECHNICAL DRAWING





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 L70 value. This means that the installed LEDs of a given type retain at least 70% of their luminous efficiency. 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 2 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!