LEDlight flex 16 8 STANDARD 1000 IP66-MFC 2.0

- Length 500 cm
- LED strips with protection against condensation
- ideal for applications in environments with high humidity or condensation (e. g. in bathrooms and protected outdoor areas)
- very high color rendering: CRI Ra typ. 90
- high efficiency: up to 111 lm/W at 4000 K
- long operating life L70 /B50 > 60,000 h at Tc < 80 °C
- current regulation by IC for constant brightness over the entire light line
- max. operable length: 11.10 m at 24 V at the feed point
- 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 !

PHOTOMETRIC DATA

	50413328T	50413333T	50413334T
Typ. color temperature	2700 K	3000 K	4000 K
Light color	warm white	white	cold white
Typ. luminous flux per meter	930 lm/m	1080 lm/m	1090 lm/m
Efficiency	95 lm/W	110 lm/W	111 lm/W
EEC of installed light source(s)	E		
Typ. color rendering index	90		
LED beam angle	120 °		
Lifetime L70	>60000 h		

ELECTRICAL DATA

	50413328T	50413333T	50413334T
Operating voltage	24 V DC		
Typ. operating current	2,04 A		
Typ. power	49 W		
Typ. power per meter	9,8 W/m		

MECHANICAL DATA

	50413328T	50413333T	50413334T
Length stripe	5000 mm		
Width stripe	8 mm		
Height stripe	1,4 mm		
Number of LEDs per cut	6		
Number of cuts	50		
Length per cut	100 mm		
Type of protection	66-MFC*		

*The LEDlight flex IP 66-MFC (= micro film coating) series has a silicone micro coating for protection against dew humidity. This means that applications in environments with increased humidity (e.g. bathrooms and protected outdoor areas) can also be equipped with Barthelme LEDlight flex lighting solutions. Since the MFC tapes, in contrast to the complete encapsulation of the AQUALUC series, have a wafer-thin coating, the LED strip must always be additionally protected by a suitable housing. For use in directly weathered areas, an IP-protected housing must be used. We recommend the use of approved bearded helmets, aluminium profiles as well as suitable covers and end caps. An IP66 test according to DIN EN 60598-1 was carried out for the test. The test specimen is exposed to a strong jet of water from all directions for 3 minutes. In order to achieve the dielectric strength according to DIN EN 60598-1, a suitable housing must also be used. Please note that the IP protective layer is damaged during cutting and soldering. To restore full protection, the cut and solder joints must be resealed. A recommendation of our approved protective lacquers can be found at www.barthelme.de. The use of LED strip connectors to connect and join LED strips without tools is not permitted with the MFC strips.

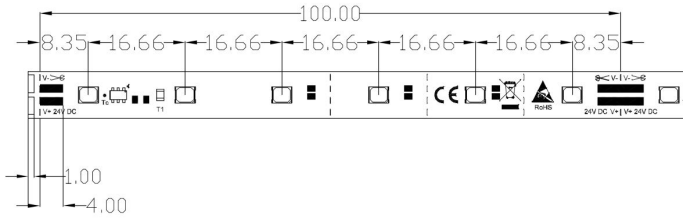
FURTHER DATA

	50413328T	50413333T	50413334T
Max. operable length[1]	11100 mm		
Storage temperature	-30° C ~ +80° C		
Max. temperature Tc[2]	80 ° C		

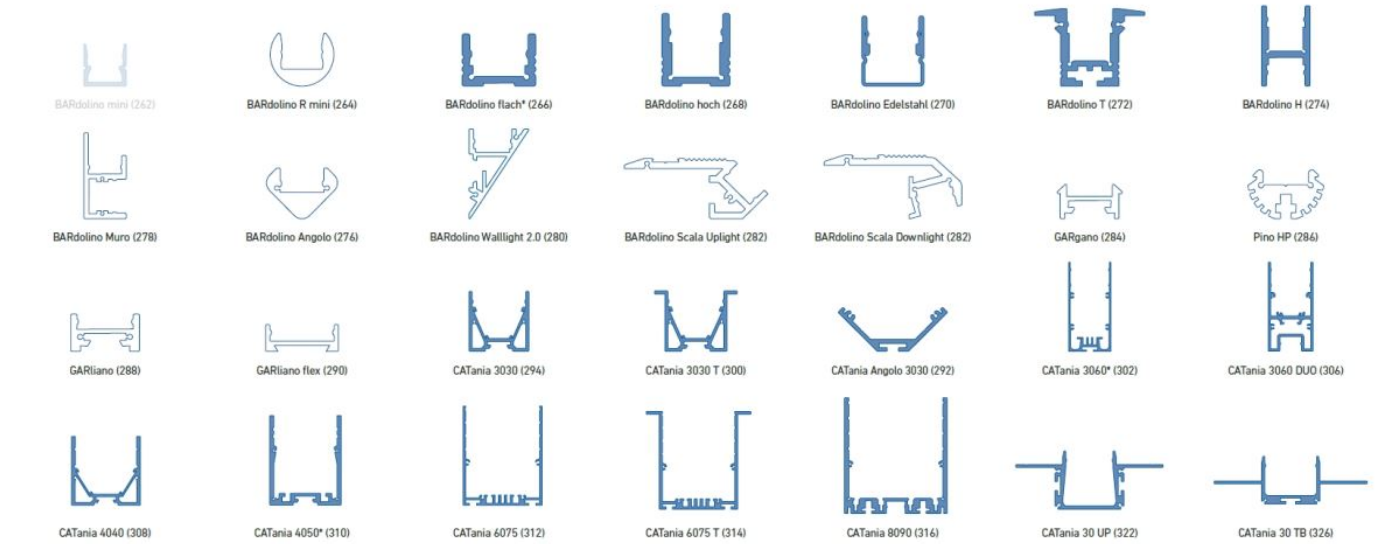
[1]The value given applies to the application of the rated voltage at the first module section. When using a supply line, the maximum operable length changes depending on the supply line length and its cross section. At www.barthelme.de you will find an overview table for orientation.

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

TECHNICAL DRAWING



USE IN PROFILES



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.