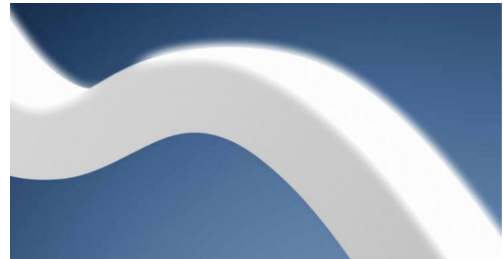


# FLEXLUC Topview 17,5

- fully encapsulated, flexible LED light line with IP 67 protection for straightforward applications
- available in ten standard lengths from 520 mm to 5,020 mm (in intervals of 500 mm), incl. 1 m cable with free wire ends
- cable feed from bottom/side, which allows shadow-free alignment of several modules to a homogeneous light line without light interruption
- bright illumination over the entire light emission surface in wave form (i.e. when light is emitted upwards, the strip can be bent upwards and downwards)
- clean lines and light emission surfaces allow flush mounting in ceilings, walls and furniture
- constant current and high copper content in FPC ensure long operating lifetime
- good color rendering: typ. CRI Ra > 90
- small bending radius of 200 mm (only one axis)



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

## PHOTOMETRIC DATA



	20210527	20211027	20211527	20212027	20212527	20213027	20213527	20214027	20214527	20215027
<b>Length</b>	520 mm	1020 mm	1520 mm	2020 mm	2520 mm	3020 mm	3520 mm	4020 mm	4520 mm	5020 mm
<b>Encapsulation</b>	Full encapsulation opal soft									
<b>Typ. color temperature</b>	2900 K									
<b>Light color</b>	warm white									
<b>Typ. total luminous flux per metre</b>	900 lm/m									
<b>Efficiency</b>	56 lm/W									
<b>Typ. color rendering index</b>	90									
<b>Total number of LEDs</b>	300									
<b>Beam angle</b>	120 °									
<b>Dimming</b>	dimmable									
<b>L70 bei Ta &lt; 45°C</b>	>60000 h									

	20210539	20211039	20211539	20212039	20212539	20213039	20213539	20214039	20214539	20215039
<b>Length</b>	520 mm	1020 mm	1520 mm	2020 mm	2520 mm	3020 mm	3520 mm	4020 mm	4520 mm	5020 mm
<b>Encapsulation</b>	Full encapsulation opal soft									
<b>Typ. color temperature</b>	4300 K									
<b>Light color</b>	neutral white									
<b>Typ. total luminous flux per metre</b>	1071 lm/m									
<b>Efficiency</b>	67 lm/W									
<b>Typ. color rendering index</b>	90									
<b>Total number of LEDs</b>	300									
<b>Beam angle</b>	120 °									
<b>Dimming</b>	dimmable									
<b>L70 bei Ta &lt; 45°C</b>	>60000 h									

PHOTOMETRIC DATA TOLERANCES IN THE AQUALUC FAMILY: The stated photometric data of the AQUALUC products are typical values which in practice are influenced by the binning of the LED's as well as the individual production steps in the encapsulation process. Factors such as layer thickness, type of encapsulation and the light color of the uncoated LED's have an influence on the resulting color temperature of the finished AQUALUC product. As each

of these factors are subject to process and production related tolerances the resulting photometric data of the AQUALUC products can deviate from the stated typical values.

## ELECTRICAL DATA

	20210527
Operating voltage	24 V DC
Power per meter	16 W/m

Note: These specifications apply to all variants.

## MECHANICAL DATA

	20210527	20211027	20211527	20212027	20212527	20213027	20213527	20214027	20214527	20215027
Length	520 mm	1020 mm	1520 mm	2020 mm	2520 mm	3020 mm	3520 mm	4020 mm	4520 mm	5020 mm
Width	17,5 mm									
Height	17,5 mm									
Bending radius	200 mm									
Type of protection	IP 67									

	20210539	20211039	20211539	20212039	20212539	20213039	20213539	20214039	20214539	20215039
Length	520 mm	1020 mm	1520 mm	2020 mm	2520 mm	3020 mm	3520 mm	4020 mm	4520 mm	5020 mm
Width	17,5 mm									
Height	17,5 mm									
Bending radius	200 mm									
Type of protection	IP 67									

Aqualuc products have a length tolerance +/- 5 mm at < 1 m and +/- 0.2 % at > 1 m

## GENERAL DATA

	20210527
Ambient temperature Ta	45 °C
Max. temperature Tc	80 °C
Max. operable length	5000 mm
Max. buildable length with 1 m cable	5000 mm
Connector cable	1m cable with free wire ends

Note: These specifications apply to all variants.

## ACCESSORIES

	30033015	30033019	63500024	63500033
Description	double-sided adhesive tape, heat resistant, with excellent adhesive properties, 33 m x 5 mm, for 8mm tile	heat resistant double-sided tape, with excellent adhesive properties	Technical Vaseline, high purity, chemically neutral, 80 g tube, suitable for all mounting profiles	Silicone adhesive and sealant, one-component, transparent, cartridge 290 ml
Material	Acryl			
Length	33000 mm			
Width	5 mm	9 mm		
Height	0,4 mm			
Remarks	33 m x 5 mm	33 m x 9 mm	For the assembly of the AQUALUC absolutely recommended	not suitable for PC-plastic profiles

	40500102	40500103	40500112	40500113
Description	U-system mounting profile		H-system mounting profile	
Material	Aluminium 6063			
Finish	anodised			
Length	2000 mm	3000 mm	2000 mm	3000 mm
Width	49,7 mm		21,1 mm	
Height	21,1 mm		49,7 mm	



## NOTES

During the production of encapsulated luminaires, air bubbles may be enclosed in the material. These bubbles are production-related and do not constitute a defect. If the bubbles are within the beam path of an LED, this can constitute a defect.

The AQUALUC encapsulation materials have successfully passed various test series in which resistance to salt, water, UV radiation, abrasion, dust and chemicals were tested. Each AQUALUC light line is ideally suited for indoor and outdoor illumination. For example on facades and bridges, in wellness oases and swimming pools, from maritime areas to industrial applications and vehicle technology - AQUALUC is already being used successfully everywhere. Despite the use of high quality materials and a robust design, there are chemical-related limitations in the areas of application. Please refer to the following link:

<https://www.barthelme.de/shared/download/katalog/AQUALUC-Chemische-Mittel-Chemical-Agents.pdf>

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.