

AQUALUC W:AVE Tunable White

- mit wärmeleitender Polyurethan-Keramik-Verbindung vollvergossene, flexible LED-Lichtlinie mit der Schutzart IP 67*
- LED-Lichtlinie mit regelbarer Farbtemperatur von 2500 K bis 3500 K
- beständig gegen Wasser, UV-Strahlung, Abrieb und Chemikalien
- geringer Biegeradius von 200 mm (nur eine Achse)
- klare Linien und Lichtaustrittsflächen ermöglichen ein bündiges Verbauen in Decken, Wänden und Möbeln
- speziell entwickeltes Einspeisesystem: Kabelführungen von unten/seitlich, was ein schattenfreies Aneinanderreihen von mehreren Modulen zu einer homogenen Lichtlinie ohne Lichtunterbrechung ermöglicht



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

When ordering, please note the article number scheme at the end of the data sheet.

PHOTOMETRIC DATA



	AQUA-4005-2535
Type of color	Tunable White
Typ. color temperature	2500 K-3500 K
Light color	warm white-cold white
Typ. total luminous flux per metre	1174 lm/m
Typ. luminous flux per metre channel 1	532 lm/m
Typ. luminous flux per metre channel 2	642 lm/m
Efficiency	62 lm/W
Energy efficiency class	A
Typ. color rendering index	85
Beam angle	120 °
Dimming	dimmable
LED strip used	LEDlight flex 10 8 Tunable White
L80 bei Ta < 40°C	>60.000 h

Note: The stated Energy Efficiency Class (EEK) refers to a product length of 1m. The EEK may differ for other lengths. Length tolerance +/- 5 mm at < 1 m and +/- 0.2 % at > 1 m

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

	AQUA-4005-2535
Operating voltage	24 V DC
Power per meter	19 W/m

MECHANICAL DATA

AQUA-4005-2535	
Width	17,5 mm
Height	17,5 mm
Bending radius	200 mm
Type of protection	IP 67

GENERAL DATA

AQUA-4005-2535	
Ambient temperature Ta	-20 ° C ~ +40 ° C
Max. temperature Tc	66 ° C
Max. buildable length with 1 m cable	5662 mm
Remarks	Connection/forwarding cable: optionally 1 - 6 m with free wire ends or 0.35 m with M8 plug

ACCESSORIES

	40500023	40500024	40500027	40500028	40500061	40500062
Description	AQUALUC W:AVE (17,5 x 17,5 mm) aluminium mounting profile, anodised	AQUALUC W:AVE (17,5 x 17,5 mm) aluminium mounting profile 2.0, anodised	AQUALUC W:AVE (17,5 x 17,5 mm); not gripping mounting profile, aluminium, anodized		AQUALUC W:AVE (17,5 x 17,5 mm) mounting profile, PC plastic, UV resistant	
Material	Aluminium 6063				PC	
Length	1000 mm	2000 mm		3000 mm	1000 mm	2000 mm
Width	22,8 mm		22,1 mm		22,8 mm	
Height	15 mm		23,4 mm		15 mm	
Remarks	also suitable for AQUALUC C:URVE WIDE		also suitable for AQUALUC C:URVE WIDE The Aqualuc is enclosed and can move freely. Strain and compression of the light line are avoided in the event of temperature fluctuations.		also suitable for AQUALUC C:URVE WIDE	

	40500025	40500026
Description	AQUALUC W:AVE (17,5 x 17,5 mm) aluminium bracket set, 10 pieces 5 cm, 10 screws, 10 dowels	AQUALUC W:AVE (17,5 x 17,5 mm) bracket set, 10 pieces stainless steel 316L, 10 screws, 10 dowels
Material	Aluminium	316L stainless steel
Length	50 mm	20 mm
Width	22,8 mm	19,5 mm
Height	15 mm	15,5 mm
Remarks	also for AQUALUC C:URVE WIDE, hole diameter 2.9 mm	also for AQUALUC C:URVE WIDE, hole diameter 6 mm



	30033009	40100111	63500022	63500030
Description	heat resistant double-sided tape, with excellent adhesive properties	dismounting tool, minimizes the mechanical stress on the product when removing	technical Vaseline, high purity, chemically neutral, 80 g bottle, suitable for all mounting profiles	construction one component glue, firm-elastic, white, cartridge 290ml
Material	Acryl	Poly lactide PLA		1K-Hybrid-Polymer
Length	33000 mm	210 mm		
Width	9 mm	8 mm		
Height	0,4 mm	62 mm		
Remarks	33 m x 9 mm		For mounting AQUALUC strictly recommended	see separate data sheet

	66313503	66313510	66313530
Description	M8 connection cable, 316L stainless steel, 2 pole, screwable, molded on cable with cross section 2x 0.5 mm ²		
Indoor/Outdoor	Outdoor		
Halogen-free	Yes		
Color of cable	white		
Wire cross-section	1x0,5 mm ² + 4x0,34 mm ²		
Length	350 mm	10000 mm	3000 mm



ARTICLE NUMBER SCHEME

AQUA	XXXX	XXXX	XXXX	XX	XXX	XXX
	1	2	3	4	5	6
	TYP TYPE	LICHTFARBE LIGHT COLOUR	WUNSCHLÄNGE IN MM WISH LENGTH IN MM	KABEL-ZUFÜHRUNG CABLE FEED	ZULEITUNG CABLE IN-FEED	WEITERLEITUNG CABLE OUT-FEED
	4005 - Controlled White	2535 - 2500K; 3500 K		21 - einseitig one-sided 22 - beidseitig double-sided	001 - 1 m-Kabel cable 002 - 2 m-Kabel cable 003 - 3 m-Kabel cable 004 - 4 m-Kabel cable 005 - 5 m-Kabel cable 006 - 6 m-Kabel cable 101 - 0,35-m-Kabel mit M8-Stecker* 0,35 m cable with M8 connector*	000 - keine Weiterleitung no cable out-feed 001 - 1 m-Kabel cable 002 - 2 m-Kabel cable 003 - 3 m-Kabel cable 004 - 4 m-Kabel cable 005 - 5 m-Kabel cable 006 - 6 m-Kabel cable 102 - 0,35-m-Kabel mit M8-Buchse* 0,35 m cable with M8 socket*

* RGBW-Versionen verfügbar ab Februar 2019 | RGBW versions available from February 2019

IN INDIVIDUELLEN LÄNGEN UND MIT BEIDSEITIGER EINSPEISUNG ERHÄLTlich | AVAILABLE IN INDIVIDUAL LENGTHS AND DUAL-SIDED FEED-IN

NOTE

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.

NOTE CHEMICALS

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>