

AQUALUC W:AVE High Brightness

Length 398cm / individual lengths on request

- fully encapsulated flexible LED light line with thermal conductive polyurethane-ceramic compound and IP 67/68* protection
- only one bin per colour according to 3 step MacAdam
- resistant to water, UV radiation, abrasion and chemicals
- small bending radius of only 20 cm (only one axis)
- very bright and absolutely homogeneous illumination over the entire light emitting surface in curve form (i.e. with upward light emittance the W:AVE can be vertically bent up and down in wave form)
- clear lines and light-emitting surface enables a flush installation in ceilings, walls and furniture
- specially designed in-feed system: cable feed from below/side which enables a shadow-free alignment of numerous modules for a homogeneous light line with uninterrupted illumination
- safe and straightforward connection with M8x1 connector, 316L stainless steel, with 35 cm cable
- estimated lifetime L70 at Ta < 45 °C: > 60,000 h



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



LIGHT DATA

	40505229	40505228	40505233	40505234
Typ. color temperature	2800 K	3200 K	4200 K	6500 K
Light color	warm white	white	cold white	daylight
Typ. luminous flux per meter	1252 lm/m	1296 lm/m	1458 lm/m	1414 lm/m
Total luminous flux	4983 lm	5158 lm	5803 lm	5628 lm
Efficiency	80 lm/W	81 lm/W	86 lm/W	83 lm/W
Energy efficiency class	A			
Typ. color rendering index	85			
Total number of LEDs	308			
Beam angle	120 °			

Maximum values at Ta=25°C

POWER DATA

	40505228	40505229	40505233	40505234
Operating voltage	24 V DC			
Typ. operating current	2,86 A			
Typ. power	68,6 W			
Power per meter	17 W/m			
Protection class	3			
Max. operable length	4520 mm			

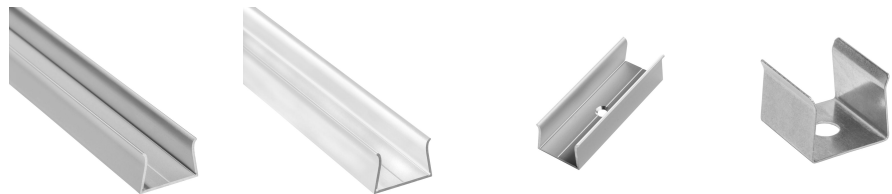
FURTHER DATA

	40505228	40505229	40505233	40505234
Length	3802 mm			
Width	17,5 mm			
Height	17,5 mm			
Type of protection	IP 67;IP 68			
Max. temperature Tc	52 ° C			
Connector cable	0,35m cable with M8 connector			

Maximum values at Ta=25°C

ACCESSORIES

	40500023	40500024	40500025	40500026	40500061	40500062
Description	AQUALUC W:AVE (17,5 x 17,5 mm) aluminium mounting profile 2.0, anodised		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	AQUALUC W:AVE (17,5 x 17,5 mm) mounting profile 2.0, PC plastic, UV resistant	
Material	Aluminium			316L stainless steel	Plastics	
Length	1000 mm	2000 mm	50 mm	20 mm	1000 mm	2000 mm
Width	22,8 mm			19,5 mm	22,8 mm	
Height	15 mm			15,5 mm	15 mm	
Remarks	auch für AQUALUC C:URVE WIDE geeignet		Diameter hole: 2.9 mm	Diameter hole: 6 mm	auch für AQUALUC C:URVE WIDE geeignet	



	30033009	40100111	63500030
Description	heat resistant double-sided tape, with excellent adhesive properties, 33 m x 9 mm, for 10mm tile	dismounting tool, minimizes the mechanical stress on the product when removing	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			see separate data sheet



	66313203	66313230
Description	M8 connection cable, 316L stainless steel, 2 pole, screwable, molded on cable with cross section 2x 0.5 mm ² , 35 cm cable length	M8 connection cable, 316L stainless steel, 2 pole, screwable, molded on cable with cross section 2x 0.5 mm ² , 300 cm cable length
Indoor/Outdoor		Outdoor
Cable sheath material		PUR
Halogen-free		Yes
Color of cable		weiß
Wire cross-section		0,5mm ²
Length	350 mm	3000 mm



*The product has been tested for a maximum of 5 days in continuous underwater use. For longer periods of underwater use we recommend our AQUALUC S:OLID underwater light line. Further information can be found at www.barthelme.de.

Chlorine test: The tests were performed at high temperature (50°C) and high concentration of chlorine (2%). In normal swimming pool the max. concentration is 0,5-1mg/l which corresponds to a 0.0001% chlorine concentration. The test was therefore carried out with a 20.000 times higher concentration than it's usual in swimming pools. Test conditions: 2% chlorine concentration in water at 50°C, duration: 60 hours. Result: No change.