

# AQUALUC W:AVE Bright

Length 758cm and 380cm / individual lengths on request

- fully encapsulated flexible LED light line with thermal conductive polyurethane-ceramic compound and IP 67\* 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

	40505029	40505028	40505033	40505034
Typ. color temperature	2800 K	3200 K	4200 K	6500 K
Light color	warm white	white	cold white	daylight
Typ. luminous flux per meter	624 lm/m	687 lm/m	759 lm/m	740 lm/m
Total luminous flux	5185 lm	5207 lm	5753 lm	5609 lm
Efficiency	86 lm/W		94 lm/W	92 lm/W
Energy efficiency class	A		A+	
Typ. color rendering index	85			
Total number of LEDs	882			
Beam angle	120 °			
	40505129	40505128	40505133	40505134
Typ. color temperature	2800 K	3200 K	4200 K	6500 K
Light color	warm white	white	cold white	daylight
Typ. luminous flux per meter	684 lm/m	687 lm/m	759 lm/m	740 lm/m
Total luminous flux	2599 lm	2611 lm	2884 lm	2812 lm
Efficiency	86 lm/W		94 lm/W	92 lm/W
Energy efficiency class	A		A+	
Typ. color rendering index	85			
Total number of LEDs	441			
Beam angle	120 °			

Maximum values at Ta=25°C

## POWER DATA

	40505028	40505029	40505033	40505034
Operating voltage	24 V DC			
Typ. operating current	2,52 A			
Typ. power	60,5 W			
Power per meter	8 W/m			
	40505128	40505129	40505133	40505134
Operating voltage	24 V DC			
Typ. operating current	1290 mA			
Typ. power	31 W			
Power per meter	8 W/m			

## FURTHER DATA

	40505028	40505029	40505033	40505034
Length	7582 mm			
Width	13,5 mm			
Height	13,5 mm			
Type of protection	IP 67			
Max. temperature Tc	52 °C			
Connector cable	0,35m cable with M8 connector			
	40505128	40505129	40505133	40505134
Length	3802 mm			
Width	13,5 mm			
Height	13,5 mm			
Type of protection	IP 67			
Max. temperature Tc	52 °C			
Connector cable	0,35m cable with M8 connector			

Maximum values at Ta=25°C

## ACCESSORIES

	40500013	40500014	40500015	40500051	40500052	63500033
Description	AQUALUC W:AVE (13,5 x 13,5 mm) aluminium mounting profile, anodised		AQUALUC W:AVE (13,5 x 13,5 mm) aluminium bracket set, 10 pieces 5 cm, 10 screws, 10 dowels	AQUALUC W:AVE (13,5 x 13,5 mm) mounting profile, PC plastic, UV resistant		Silicone adhesive and sealant, one-component, transparent, cartridge 290 ml
Material	Aluminium 6063			Plastics		
Length	1000 mm	2000 mm	50 mm	1000 mm	2000 mm	
Width	19 mm					
Height	13 mm					
Remarks	The AQUALUC must not be mounted over joints. It is therefore recommended that when using the mounting profiles AQUALUC length in cm < holding profile length in one piece.		hole diameter 2.9 mm			not suitable for PC-plastic profiles
	30033019	40100111	40500091	40500092		
Description	heat resistant double-sided tape, with excellent adhesive properties	dismounting tool, minimizes the mechanical stress on the product when removing	AQUALUC W:AVE (13,5 x 13,5 mm) mounting profile with fixing wing, aluminium, anodised			
Material	Acryl	Poly lactide PLA	Aluminium 6063			
Length	33000 mm	210 mm	1000 mm	2000 mm		
Width	9 mm	8 mm	31 mm		13 mm	
Height	0,4 mm	62 mm				
Remarks	33 m x 9 mm					



	66313203	66313230
<b>Description</b>	M8 connector, stainless steel, 2-pole, screwable, moulded on cable with cross section 2x 0.5 mm <sup>2</sup>	
<b>Indoor/Outdoor</b>	Outdoor	
<b>Cable sheath material</b>	PUR	
<b>Halogen-free</b>	Yes	
<b>Color of cable</b>	white	
<b>Wire cross-section</b>	2x 0,5 mm <sup>2</sup>	
<b>Length</b>	350 mm	3000 mm



\*Das Produkt wurde für einen Betrieb von maximal 5 Tagen im kontinuierlichen Unterwassereinsatz getestet. Für längere Zeiträume im Unterwassereinsatz empfehlen wir unsere AQUALUC S:OLID Unterwasser-Lichtlinie. Nähere Informationen auf [www.barthelme.de](http://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 duration: 60 hours. Result: No change to the product .