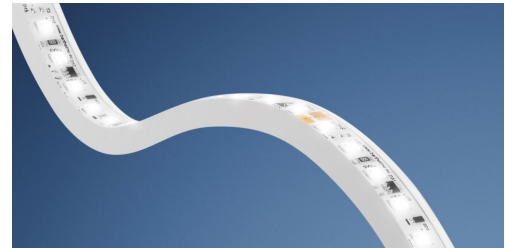


AQUALUC mini Bright clear

Length 758cm / 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
- high efficiency with Barthelme LEDlight flex High Efficiency LED strip of up to 127 lm/W (at light colour 843, clear version)
- resistant to water, UV radiation, abrasion and chemicals
- compact dimensions of only 10,5 x 5 mm; small bending radius of only 5 cm (only one axis)
- available in clear and frosted; frosted reduces the glare effect
- current limiter and high amount of copper in FPC enable a long lifetime
- connection via 3 m cable with free wire ends or 0,35 m cable with M8x1 connector (VIA PowerNet)
- 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

	40018615	40018626	40018627	40018628	40118615	40118626	40118627	40118628
Grouting	clear							
Typ. color temperature	6500 K	4300 K	3200 K	2800 K	6500 K	4300 K	3200 K	2800 K
Light color	daylight	cold white	white	warm white	daylight	cold white	white	warm white
Typ. luminous flux per meter	994 lm/m	1017 lm/m	971 lm/m	967 lm/m	994 lm/m	1017 lm/m	971 lm/m	967 lm/m
Total luminous flux	7535 lm	7709 lm	7360 lm	7330 lm	7535 lm	7709 lm	7360 lm	7330 lm
Efficiency	124 lm/W	127 lm/W	122 lm/W	121 lm/W	124 lm/W	127 lm/W	122 lm/W	121 lm/W
Energy efficiency class	A+							
Typ. color rendering index	85							
Total number of LEDs	882							
Beam angle	120°							
	40058615	40058626	40058627	40058628	40158615	40158626	40158627	40158628
Grouting	clear							
Typ. color temperature	6500 K	4300 K	3200 K	2800 K	6500 K	4300 K	3200 K	2800 K
Light color	daylight	cold white	white	warm white	daylight	cold white	white	warm white
Typ. luminous flux per meter	994 lm/m	1017 lm/m	971 lm/m	967 lm/m	994 lm/m	910 lm/m	869 lm/m	967 lm/m
Total luminous flux	3777 lm	3865 lm	3690 lm	3675 lm	3777 lm	3865 lm	3690 lm	3675 lm
Efficiency	124 lm/W	127 lm/W	122 lm/W	121 lm/W	124 lm/W	127 lm/W	122 lm/W	121 lm/W
Energy efficiency class	A+							
Typ. color rendering index	85							
Total number of LEDs	441							
Beam angle	120°							

Maximum values at Ta=25°C

POWER DATA

	40018615	40018626	40018627	40018628	40118615	40118626	40118627	40118628
Operating voltage	24 V DC							
Typ. operating current	2,52 A							
Typ. power	60,5 W							
Power per meter	8 W/m							
Protection class	3							
Max. operable length	7581 mm							
	40058615	40058626	40058627	40058628	40158615	40158626	40158627	40158628
Operating voltage	24 V DC							
Typ. operating current	1300 mA							
Typ. power	31 W							
Power per meter	8 W/m							
Protection class	3							
Max. operable length	7581 mm							

FURTHER DATA

	40018615	40018626	40018627	40018628	40118615	40118626	40118627	40118628
Length	7581 mm							
Width	10,5 mm							
Height	5 mm							
Type of protection	IP 67;IP 68							
Max. temperature Tc	56 ° C							
Connector cable	3m cable with free wire ends				0,35m cable with M8 connector			
	40058615	40058626	40058627	40058628	40158615	40158626	40158627	40158628
Length	3801 mm							
Width	10,5 mm							
Height	5 mm							
Type of protection	IP 67;IP 68							
Max. temperature Tc	56 ° C							
Connector cable	3m cable with free wire ends				0,35m cable with M8 connector			

Maximum values at Ta=25°C

ACCESSORIES

	30033009	40100107	40100108	40100112	63500030
Description	heat resistant double-sided tape, with excellent adhesive properties, 33 m x 9 mm, for 10mm tile	AQUALUC mini polycarbonate plastic support profile with adhesive tape, UV resistant, 1 m	AQUALUC mini polycarbonate plastic support profile with adhesive tape, UV resistant, 2 m	dismounting tool, minimizes the mechanical stress on the product when removing	construction one component glue, firm-elastic, white, cartridge 290ml
Material	Plastics				
Length	33000 mm	1000 mm	2000 mm	210 mm	
Width	9 mm	13 mm		0,6 mm	
Height	0,4 mm	9,9 mm		62 mm	
Fire protection class	B2 (DIN 4102)				
Ambient temperature	-40 ~ +130 ° C				
Remarks	Material: Polycarbonat				



	40100201	40100310	40100311	40100320	40100330
Description	2k syringe with PU, 2x25ml, safety gloves, 3x static mixer	AQUALUC mini in-feed set (2 pole), to add in-feed cable after cutting the AQUALUC. Content: syringe with PU, mixing nozzle attachment, protective gloves, 3 m AQUALUC fl at ribbon cable*	AQUALUC mini in-feed set (4 pole), to add in-feed cable after cutting the AQUALUC. Content: syringe with PU, mixing nozzle attachment, protective gloves, 3 m AQUALUC fl at ribbon cable*	AQUALUC mini extension set, for connecting two AQUALUC mini. Content: moulding form, syringe with PU, mixing nozzle attachment, protective gloves, 3 m AQUALUC flat ribbon cable*	AQUALUC mini end section set, for seamless encapsulation. Content: moulding form, syringe with PU, mixing nozzle attachment, protective gloves*



	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.