

AQUALUC mini High Brightness 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 123 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

	40037715	40037726	40037727	40037728	40137715	40137726	40137727	40137728
Connector cable	3m cable with free wire ends				0,35m cable with M8 connector			
Typ. colour temperature	6500 K	4300 K	3200 K	2800 K	6500 K	4300 K	3200 K	2800 K
Light colour	daylight	cold white	white	warm white	daylight	cold white	white	warm white
Typ. luminous flux per meter	2078 lm/m	2136 lm/m	2025 lm/m	2002 lm/m	2078 lm/m	2136 lm/m	2025 lm/m	2002 lm/m
Total luminous flux	8270 lm	8501 lm	8060 lm	7968 lm	8270 lm	8501 lm	8060 lm	7968 lm
Efficiency	120 lm/W	123 lm/W	117 lm/W	115 lm/W	120 lm/W	123 lm/W	117 lm/W	115 lm/W
Energy efficiency class	A+							
Typ. colour rendering index	85							
Total number of LEDs	308							
Beam angle	120 °							

POWER DATA

	40037715	40037726	40037727	40037728	40137715	40137726	40137727	40137728
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

	40037715	40037726	40037727	40037728	40137715	40137726	40137727	40137728
Length	3980 mm							
Width	10,5 mm							
Height	5 mm							
IP protection class	IP 67;IP 68							
Max. temperature Tc	56 °C							

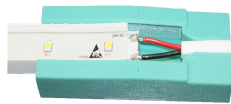
Maximum values at Ta=25°C

ACCESSORIES

	30033009	40100107	40100108	40100112	63500030
Description	heat resistant double-sided tape, with excellent adhesive properties, 33 m x 9 mm	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-Kupplung, V4A-Edelstahl, 2-polig, schraubbar, angespritzt an Kabel, oval, 2x 0,5 mm ² , 35 cm Leitungslänge	M8-Kupplung, V4A-Edelstahl, 2-polig, schraubbar, angespritzt an Kabel, oval, 2x 0,5 mm ² , 300 cm Leitungslänge
Indoor/Outdoor	Outdoor	
Cable sheath material	PUR	
Halogen-free	Yes	
Colour of cable	weiß	
Wire cross-section	0,5mm ²	
Length	350 mm	3000 mm



*Tested by TÜV Rheinland on 06.2013 - Test specification: EN60529: 1991 + A1: 2000 - Test conditions: water depth 5m/testing time 60 min. - When planned to use AQUALUC with continuous immersion, ambient conditions must be previously defined between manufacturers and users.

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 0,5-1 mg/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.