

AQUALUC mini Standard frosted

Length 758cm / 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
- high efficiency with Barthelme LEDlight flex High Efficiency LED strip of up to 129 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

	41027628	41127628	41027627	41127627	41027626	41127626	41027615	41127615
Encapsulation	frosted							
Typ. color temperature	2700 K		3100 K		4200 K		6000 K	
Light color	warm white		white		cold white		daylight	
Typ. luminous flux per meter	520 lm/m		525 lm/m		562 lm/m		551 lm/m	
Total luminous flux	3942 lm		3980 lm		4260 lm		4177 lm	
Efficiency	98 lm/W		99 lm/W		106 lm/W		104 lm/W	
Energy efficiency class	A+							
Typ. color rendering index	85							
Total number of LEDs	588							
Beam angle	120 °							

POWER DATA

	41027615	41027626	41027627	41027628	41127615	41127626	41127627	41127628
Operating voltage	24 V DC							
Typ. operating current	1,68 A							
Typ. power	40,3 W							
Power per meter	5,3 W/m							
ESD protection	5000 V							

FURTHER DATA

	41027615	41027626	41027627	41027628	41127615	41127626	41127627	41127628
Length	7581 mm							
Width	10,5 mm							
Height	5 mm							
Bending radius	50							
Type of protection	IP 67							

	41027615	41027626	41027627	41027628	41127615	41127626	41127627	41127628
Max. temperature Tc	56 °C							
Connector cable	3m cable with free wire ends				0,35m cable with M8 connector			
Lifetime L70 @Ta <45°C	>60000 h							

Maximum values at Ta=25°C

ACCESSORIES

	30033019	40100107	40100108	40100112	63500033
Description	heat resistant double-sided tape, with excellent adhesive properties	AQUALUC mini polycarbonate plastic support profile with adhesive tape, UV resistant		dismounting tool, minimizes the mechanical stress on the product when removing	Silicone adhesive and sealant, one-component, transparent, cartridge 290 ml
Material	Acryl	Plastics			
Length	33000 mm	1000 mm	2000 mm	210 mm	
Width	9 mm	13 mm		6 mm	
Height	0,4 mm	9,9 mm		62 mm	
Fire protection class		B2 (DIN 4102)			
Ambient temperature		-40 ~ +130 °C			
Remarks	33 m x 9 mm	Material: Polycarbonat			not suitable for PC-plastic profiles



	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 connector, stainless steel, 2-pole, screwable, moulded on cable with cross section 2x 0.5 mm ²	
Indoor/Outdoor	Outdoor	
Cable sheath material	PUR	
Halogen-free	Yes	
Color of cable	white	
Wire cross-section	2x 0,5 mm ²	
Length	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.

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 .