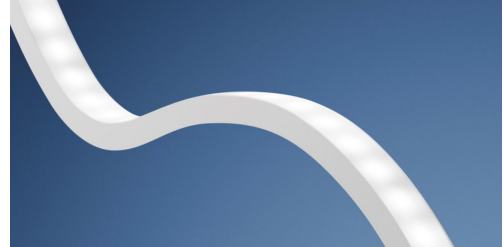


# AQUALUC mini Bright frosted

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 105 lm/W (at light colour 842, 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)
- reduced 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

	41018628	41118628	41018627	41118627	41018626	41118626	41018615	41118615				
<b>Encapsulation</b>	frosted											
<b>Typ. color temperature</b>	2700 K		3100 K		4200 K		6000 K					
<b>Light color</b>	warm white		white		cold white		daylight					
<b>Typ. luminous flux per meter</b>	780 lm/m		789 lm/m		844 lm/m		827 lm/m					
<b>Total luminous flux</b>	5912 lm		5981 lm		6398 lm		6269 lm					
<b>Efficiency</b>	97 lm/W		98 lm/W		105 lm/W		104 lm/W					
<b>Energy efficiency class</b>	A+											
<b>Typ. color rendering index</b>	85											
<b>Total number of LEDs</b>	882											
<b>Beam angle</b>	120 °											
	41058611	41058613	41058614	41058622	41058628	41158628	41058627	41158627	41058626	41158626	41058615	41158615
<b>Encapsulation</b>	frosted											
<b>Typ. color temperature</b>					2700 K		3100 K		4200 K		6000 K	
<b>Light color</b>	red	green	blue	amber	warm white		white		cold white		daylight	
<b>Typ. luminous flux per meter</b>	209 lm/m	410 lm/m	91 lm/m	223 lm/m	780 lm/m		789 lm/m		844 lm/m		827 lm/m	
<b>Total luminous flux</b>	790 lm	1550 lm	344 lm	843 lm	2964 lm		2998 lm		3207 lm		3143 lm	
<b>Efficiency</b>	25 lm/W	50 lm/W	11 lm/W	27 lm/W	97 lm/W		98 lm/W		105 lm/W		104 lm/W	
<b>Energy efficiency class</b>	A+											
<b>Typ. color rendering index</b>	85											
<b>Total number of LEDs</b>	441											
<b>Beam angle</b>	120 °											
<b>Farbortoleranz</b>	3											

Maximum values at Ta=25°C

## POWER DATA

	41018615	41018626	41018627	41018628	41118615	41118626	41118627	41118628				
Operating voltage	24 V DC											
Typ. operating current	2,52 A											
Typ. power	60,5 W											
Power per meter	8 W/m											
	41058611	41058613	41058614	41058615	41058622	41058626	41058627	41058628	41158615	41158626	41158627	41158628
Operating voltage	24 V DC											
Typ. operating current	1300 mA											
Typ. power	31 W											
Power per meter	8 W/m											

## FURTHER DATA

	41018615	41018626	41018627	41018628	41118615	41118626	41118627	41118628				
Length	7581 mm											
Width	10,5 mm											
Height	5 mm											
Type of protection	IP 67											
Max. temperature Tc	56 ° C											
Connector cable	3m cable with free wire ends				0,35m cable with M8 connector							
	41058611	41058613	41058614	41058615	41058622	41058626	41058627	41058628	41158615	41158626	41158627	41158628
Length	3801 mm											
Width	10,5 mm											
Height	5 mm											
Bending radius	50											
Type of protection	IP 67											
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

	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
<b>Description</b>	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
<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 .