

AQUALUC C:URVE High Brightness

Length 398cm / 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 15 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 C:URVE mini can be horizontally bent left and right in a curve)
- 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

	40502229	40502228	40502233	40502234
Typ. color temperature	2700 K	3000 K	4000 K	6200 K
Light color	warm white	white	cold white	daylight
Typ. luminous flux per meter	777 lm/m		899 lm/m	872 lm/m
Total luminous flux	3092 lm		3578 lm	3471 lm
Efficiency	45 lm/W	46 lm/W	53 lm/W	51 lm/W
Energy efficiency class	B			
Typ. color rendering index	85			
Total number of LEDs	308			
Beam angle	120 °			

Maximum values at Ta=25°C

POWER DATA

	40502228	40502229	40502233	40502234
Operating voltage	24 V DC			
Typ. operating current	2,86 A			
Typ. power	68,6 W			
Power per meter	17 W/m			

FURTHER DATA

	40502228	40502229	40502233	40502234
Length			3981 mm	
Width			10 mm	
Height			18,5 mm	
Bending radius			150	
Type of protection			IP 67	
Max. temperature Tc			70 ° C	
Connector cable			0,35m cable with M8 connector	

Note: due to manufacturing tolerances width W can be between 10.0 and 11.0mm !

ACCESSORIES

	30033019	40100111	40500033	40500034	40500071	40500072
Description	heat resistant double-sided tape, with excellent adhesive properties	dismounting tool, minimizes the mechanical stress on the product when removing	AQUALUC C:URVE (10 x 18,5 mm) aluminium mounting profile, anodised		AQUALUC C:URVE (10 x 18.5 mm) mounting profile, PC plastic, UV resistant	
Material	Acryl	Poly lactide PLA	Aluminium 6063		Plastics	
Length	33000 mm	210 mm	1000 mm	2000 mm	1000 mm	2000 mm
Width	9 mm	8 mm	15,3 mm			
Height	0,4 mm	62 mm	16,3 mm			
Remarks	33 m x 9 mm					
	40500035		40500036		63500033	
Description	AQUALUC C:URVE (10 x 18,5 mm) aluminium bracket set, 10 pieces 5 cm, 10 screws, 10 dowels		AQUALUC C:URVE (10 x 18,5 mm) bracket set, 10 pieces stainless steel 316L, 10 screws, 10 dowels		Silicone adhesive and sealant, one-component, transparent, cartridge 290 ml	
Material	Aluminium 6063		316L stainless steel			
Length	50 mm		20 mm			
Width	15,3 mm		11,5 mm			
Height	16,3 mm		16,5 mm			
Remarks	Diameter hole: 2.9 mm		Diameter hole: 6 mm		not suitable for PC-plastic profiles	



	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 .