

# AQUALUC C:URVE Bright

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
- 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

	40502129		40502128		40502133		40502134	
Typ. color temperature	2700 K		3000 K		4000 K		6200 K	
Light color	warm white		white		cold white		daylight	
Typ. luminous flux per meter	429 lm/m		430 lm/m		484 lm/m		477 lm/m	
Total luminous flux	3252 lm		3259 lm		3669 lm		3616 lm	
Efficiency	54 lm/W				60 lm/W			
Energy efficiency class	B							
Typ. color rendering index	85							
Total number of LEDs	882							
Beam angle	120 °							
	40502611	40502613	40502614	40502622	40502629	40502628	40502633	40502634
Encapsulation	frosted							
Typ. color temperature					2700 K	3000 K	4000 K	6200 K
Light color	red	green	blue	amber	warm white	white	cold white	daylight
Typ. luminous flux per meter	115 lm/m	226 lm/m	50 lm/m	122 lm/m	429 lm/m	430 lm/m	484 lm/m	477 lm/m
Total luminous flux	435 lm	854 lm	189 lm	461 lm	1630 lm	1634 lm	1839 lm	1813 lm
Efficiency	14 lm/W	28 lm/W	6 lm/W	15 lm/W	54 lm/W		60 lm/W	
Energy efficiency class	C	B	E	C	B			
Typ. color rendering index	85							
Total number of LEDs	441							
Beam angle	120 °							
Farbortoleranz								3

Maximum values at Ta=25°C

## POWER DATA

	40502128	40502129	40502133	40502134				
Operating voltage	24 V DC							
Typ. operating current	2,52 A							
Typ. power	60,5 W							
Power per meter	8 W/m							
	40502611	40502613	40502614	40502622	40502628	40502629	40502633	40502634
Operating voltage	24 V DC							
Typ. operating current	1290 mA							
Typ. power	31 W							
Power per meter	8 W/m							

## FURTHER DATA

	40502128	40502129	40502133	40502134				
Length	7581 mm							
Width	10 mm							
Height	18,5 mm							
Bending radius	150							
Type of protection	IP 67							
Max. temperature Tc	57 ° C							
Connector cable	0,35m cable with M8 connector							
	40502611	40502613	40502614	40502622	40502628	40502629	40502633	40502634
Length	3801 mm							
Width	10 mm							
Height	18,5 mm							
Bending radius	150							
Type of protection	IP 67							
Max. temperature Tc	57 ° 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
<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 .