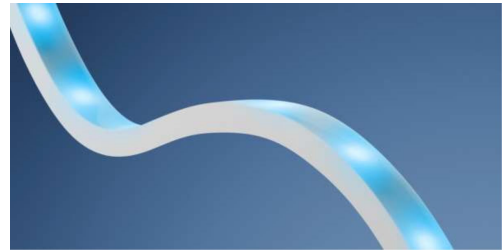


AQUALUC mini RGB frosted

- fully encapsulated flexible LED light line with thermal conductive polyurethane-ceramic compound and IP 67* protection
- resistant to water, UV radiation, abrasion and chemicals
- rich color tones for impressive accent lighting
- small bending radius of 50 mm (only one axis)
- current limiter/high amount of copper in FPC enable a long lifetime
- reduced glare effect due to encapsulation in frosted



Please observe the installation and safety instructions at <https://www.barthelme.de/content/en/manuals.aspx> !

When ordering, please note the article number scheme at the end of the data sheet.

PHOTOMETRIC DATA

24 VDC	9,6 W/m	40 lm/W	PITCH 25	120°	IP67	
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	AQUA-2008-ORGB
Type of color	RGB
Encapsulation	frosted
Typ. total luminous flux per metre	384 lm/m
Typ. luminous flux per metre red	128 lm/m
Typ. luminous flux per metre green	213 lm/m
Typ. luminous flux per metre blue	43 lm/m
Efficiency	40 lm/W
Beam angle	120 °
LED strip used	LEDlight flex 25 8p RGB
L70 bei Ta < 35°C	>30000 h

PHOTOMETRIC DATA TOLERANCES IN THE AQUALUC FAMILY: The stated photometric data of the AQUALUC products are typical values which in practice are influenced by the binning of the LED's as well as the individual production steps in the encapsulation process. Factors such as layer thickness, type of encapsulation and the light color of the uncoated LED's have an influence on the resulting color temperature of the finished AQUALUC product. As each of these factors are subject to process and production related tolerances the resulting photometric data of the AQUALUC products can deviate from the stated typical values.

ELECTRICAL DATA

	AQUA-2008-ORGB
Operating voltage	24 V DC
Power per meter	9,6 W/m

MECHANICAL DATA

	AQUA-2008-ORGB
Width	10,5 mm
Height	5 mm
Bending radius	50 mm
Type of protection	IP 67

Aqualuc products have a length tolerance +/- 5 mm at < 1 m and +/- 0.2 % at > 1 m

GENERAL DATA

	AQUA-2008-ORGB
Ambient temperature Ta	-20 ° C ~ +35 ° C
Max. temperature Tc	77 ° C
Max. operable length	8271 mm
Max. buildable length with 1 m cable	8121 mm
Remarks	Connection/forwarding cable: optionally 1 - 6 m with free wire ends or 0.35 m with M8 plug

ACCESSORIES

	40100107	40100108
Description	AQUALUC mini polycarbonate plastic support profile with adhesive tape, UV resistant	
Material	plastics	
Length	1000 mm	2000 mm
Width	13 mm	
Height	9,9 mm	
Fire protection class	B2 (DIN 4102)	
Ambient temperature	-40 ~ +130 ° C	
Remarks	Material: Polycarbonat	

	30033019	63500033
Description	heat resistant double-sided tape, with excellent adhesive properties	Silicone adhesive and sealant, one-component, transparent, cartridge 290 ml
Material	Acryl	various
Length	33000 mm	
Width	9 mm	
Height	0,4 mm	
Remarks	33 m x 9 mm	not suitable for PC-plastic profiles

	66313403	66313410	66313430
Description	M8 connector, stainless steel, 4-pole, screwable, moulded on cable oval 1x 0,5 mm ² + 3x 0,34 mm ²		
Indoor/Outdoor	Outdoor		
Cable sheath material	PUR		
Halogen-free	Yes		
Color of cable	white		
Wire cross-section	1 x 0,5 mm ² + 3 x 0,34 mm ²		
Length	350 mm	10000 mm	3000 mm



ARTICLE NUMBER SCHEME

AQUA	XXXX	XXXX	XXXX	XX	XXX	XXX
	1	2	3	4	5	6
	TYP TYPE	LICHTFARBE LIGHT COLOUR	WUNSCHLÄNGE IN MM WISH LENGTH IN MM	KABEL-ZUFÜHRUNG CABLE FEED	ZULEITUNG CABLE IN-FEED	WEITERLEITUNG CABLE OUT-FEED
	2007 – RGB clear 2008 – RGB frosted	0RGB – RGB		21 – einseitig one-sided 22 – beidseitig double-sided	001 – 1 m-Kabel cable 002 – 2 m-Kabel cable 003 – 3 m-Kabel cable 004 – 4 m-Kabel cable 005 – 5 m-Kabel cable 006 – 6 m-Kabel cable 101 - 0,35-m-Kabel mit M8-Stecker 0,35 m cable with M8 connector	000 – keine Weiterleitung no cable out-feed 001 – 1 m-Kabel cable 002 – 2 m-Kabel cable 003 – 3 m-Kabel cable 004 – 4 m-Kabel cable 005 – 5 m-Kabel cable 006 – 6 m-Kabel cable 102 - 0,35-m-Kabel mit M8-Buchse 0,35 m cable with M8 socket

IN INDIVIDUELLEN LÄNGEN, MIT BEIDSEITIGER UND RÜCKSEITIGER EINSPEISUNG ERHÄLTlich | AVAILABLE IN INDIVIDUAL LENGTHS, WITH OPTIONAL IN-FEED ON BOTH SIDES AND REAR SIDE

NOTE

During the production of encapsulated luminaires, air bubbles may be enclosed in the material. These bubbles are production-related and do not constitute a defect. If the bubbles are within the beam path of an LED, this can constitute a defect.

NOTE CHEMICALS

The AQUALUC encapsulation materials have successfully passed various test series in which resistance to salt, water, UV radiation, abrasion, dust and chemicals were tested. Each AQUALUC light line is ideally suited for indoor and outdoor illumination. For example on facades and bridges, in wellness oases and swimming pools, from maritime areas to industrial applications and vehicle technology - AQUALUC is already being used successfully everywhere. Despite the use of high quality materials and a robust design, there are chemical-related limitations in the areas of application. Please refer to the following link:

<https://www.barthelme.de/shared/download/katalog/AQUALUC-Chemische-Mittel-Chemical-Agents.pdf>

The guarantee period for the product is 5 years and begins on the day of shipment. Reference is the date of the delivery bill. The guarantee period may differ for accessories.