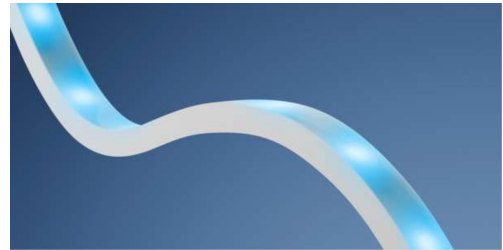


# AQUALUC mini RGB clear

- 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 and high amount of copper in FPC enable a long lifetime



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



AQUA-2007-ORGB	
Type of color	RGB
Encapsulation	clear
Light color	RGB
Typ. total luminous flux per metre	368 lm/m
Typ. luminous flux per metre red	124 lm/m
Typ. luminous flux per metre green	203 lm/m
Typ. luminous flux per metre blue	41 lm/m
Efficiency	38 lm/W
Beam angle	120 °
Dimming	dimmable
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-2007-ORGB	
Operating voltage	24 V DC
Power per meter	9,6 W/m

## MECHANICAL DATA

AQUA-2007-ORGB	
Width	10,5 mm
Height	5 mm
Bending radius	50
Type of protection	IP 67

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

## GENERAL DATA

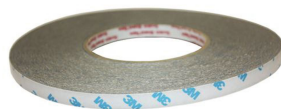
	<b>AQUA-2007-ORGB</b>
<b>Ambient temperature Ta</b>	-20 °C ~ +35 °C
<b>Max. temperature Tc</b>	77 °C
<b>Max. operable length</b>	8271 mm
<b>Max. buildable length with 1 m cable</b>	8121 mm
<b>Remarks</b>	Connection/forwarding cable: optionally 1 - 6 m with free wire ends or 0.35 m with M8 plug

## ACCESSORIES

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

	<b>30033019</b>	<b>63500033</b>
<b>Description</b>	heat resistant double-sided tape, with excellent adhesive properties	Silicone adhesive and sealant, one-component, transparent, cartridge 310 ml
<b>Material</b>	Acryl	various
<b>Length</b>	33000 mm	
<b>Width</b>	9 mm	
<b>Height</b>	0,4 mm	
<b>Remarks</b>	33 m x 9 mm	not suitable for PC-plastic profiles

	<b>66313403</b>	<b>66313410</b>	<b>66313430</b>
<b>Description</b>	M8 connector, stainless steel, 4-pole, screwable, moulded on cable oval 1x 0,5 mm <sup>2</sup> + 3x 0,34 mm <sup>2</sup>		
<b>Indoor/Outdoor</b>	Outdoor		
<b>IP protection class</b>	IP 67		
<b>Cable sheath material</b>	PUR		
<b>Halogen-free</b>	Yes		
<b>Color of cable</b>	white		
<b>Wire cross-section</b>	1 x 0,5 mm <sup>2</sup> + 3 x 0,34 mm <sup>2</sup>		
<b>Length</b>	350 mm	10000 mm	3000 mm
<b>Remarks</b>	the specified IP protection class applies to the screwed state		



## 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.