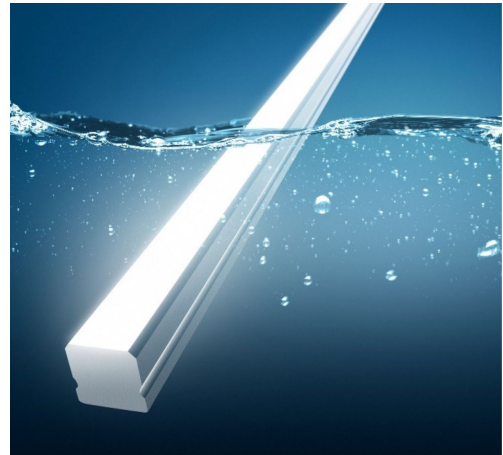


AQUALUC S:OLID RGB

Length 200cm / individual lengths up to max. 2.73 m on request

- fully encapsulated rigid LED light line with thermal conductive polyurethane-ceramic compound and IP 68* protection
- for underwater installations up to a depth of 1.2 m
- resistant to water, UV radiation, abrasion and chemicals
- uniform, absolute homogeneous illumination over the entire light emitting surface
- as opposed to metal, no occurrence of oxidation (rust) as completely made of plastic
- current limiter and high amount of copper in FPC enable a long lifetime
- connection via 2 m cable with free wire ends
- Impact resistance IK10
- estimated lifetime L70 at Ta < 35 °C: > 30,000 h



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



LIGHT DATA

	40160031
Light color	RGB
Typ. luminous flux per meter	299 lm/m
Total luminous flux	598 lm
Efficiency	18 lm/W
Energy efficiency class	A
Total number of LEDs	132
Beam angle	60 °

Maximum values at Ta=25°C

POWER DATA

	40160031
Operating voltage	24 V DC
Typ. operating current	1420 mA
Typ. power	34 W
Power per meter	17 W/m
Protection class	3
Max. operable length	2730 mm

FURTHER DATA

	40160031
Length	2002 mm
Width	17,5 mm
Height	17,5 mm
Type of protection	IP 68
Max. Umgebungstemperatur	35 ° C
Max. temperature Tc	63 ° C
Connector cable	2m cable with free wire ends
Remarks	Impact resistance IK10

Maximum values at Ta=25°C

ACCESSORIES

	40100141	40100142
Description	AQUALUC S:OLID support profile, PC plastic, UV resistant, 1 m	AQUALUC S:OLID support profile, PC plastic, UV resistant, 2 m
Material	PC	
Length	1000 mm	2000 mm
Width	21,6 mm	
Height	13,5 mm	



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 conditions: 2% chlorine concentration in water at 50°C, duration: 60 hours. Result: No change.

The AQUALUC S:OLID light line is walkable - however, it must be ensured that no plastic support profile is used, as the plastic support profile cannot be walked on.

A flat installation of the light line with the floor is possible. However, to protect the light-emitting surface, a downward offset installation of approx. 1-2mm is recommended.