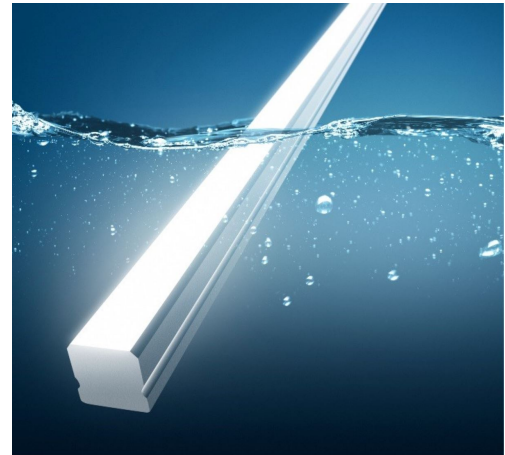


# AQUALUC S:OLID

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
- only one bin per colour according to 3 step MacAdam
- 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 L80 at Ta < 35 °C: > 60,000 h



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



## LIGHT DATA

	40160028	40160033	40160034	40160015
Typ. color temperature	2800 K	3100 K	4000 K	5700 K
Light color	warm white	white	cold white	daylight
Typ. luminous flux per meter	1173 lm/m	1224 lm/m	1343 lm/m	1360 lm/m
Total luminous flux	2346 lm	2448 lm	2686 lm	2720 lm
Efficiency	69 lm/W	72 lm/W	79 lm/W	80 lm/W
Energy efficiency class	A			
Typ. color rendering index	85			
Total number of LEDs	156			
Beam angle	60 °			

Maximum values at Ta=25°C

## POWER DATA

	40160015	40160028	40160033	40160034
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

	40160015	40160028	40160033	40160034
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.