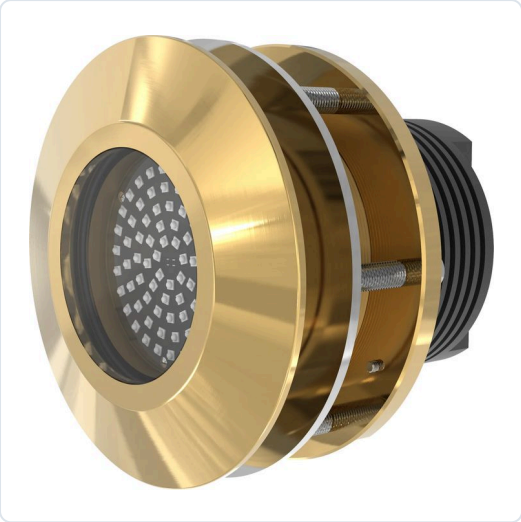
AKER LIGHTING

TECHNICAL DATA SHEET

AL UWL303 TH

THRU-HULL UNDERWATER YACHT LIGHTING



Marine · Yacht Lighting › Aluminium Bronze Thru-Hull Lighting

The AL UWL303 TH is the largest Thru-Hull underwater yacht light of the series, intended for boats of 15-100 mt. / 50-330 ft. It combines a saltwater-resistant aluminium bronze body with a reinforced aluminium replaceable inner core and 12 mm shockproof tempered glass. It is equipped with 64×4W white or royal blue 3535 high-power LEDs, or 60×4W RGBW LEDs; the LEDs are changed from inside the boat while the body stays fixed, and an optional AHD 2MP 1080P camera can be fitted.

PROTECTION RATING	OPERATING VOLTAGE	POWER
IP68	9-31 VDC · 12 VDC	240–256 W

BEAM ANGLE	ELECTRICAL CLASS	WARRANTY
110°	Class III	2-year warranty

LED COLOUR	White · Royal blue · RGBW
POWER	240 W · 256 W
OPERATING VOLTAGE	9-31 VDC · 12 VDC

Important Do not use in waterless environment.

CERTIFICATES AND PROPERTIES

- IP68 waterproof
- Class III
- UV resistant
- Recyclable
- CE
- RGBW full colour
- 2 year warranty
- Max. 10 m depth
- Suitable for direct mounting on normally flammable surfaces
- Dust-tight
- Protected against water jets
- Dual colour (white + blue)

FEATURES

- BOAT SIZE : 15-100 mt. / 50-330 ft.
- Saltwater resistant thanks to the aluminium bronze body
- Reinforced Aluminium replaceable inner core housing
- High-tech power LEDs, 4 W each
- Each LED: 140 lumen per watt
- RGBW full colour LED
- 12 mm Shockproof Tempered Glass
- 2×1.5 mm² neoprene RNF cable.
- No need to dismantle the entire product when changing LEDs
- Easy to replace by loosening the aluminium lighting capsule from inside the boat. The Aluminium Bronze body remains fixed on the boat.
- An optional AHD 2MP 1080P camera can be fitted in the same housing.
- White + Royal Blue in one light, both working at the same time
- 64 LEDs: 32 White + 32 Royal Blue

TECHNICAL DATA

LIGHT

Single Colour LED	White 64×4W & Royal Blue 64×4W 3535 High Power LED / LED Degree 110°
RGBW Led	RGBW 60×4W 3535 High Power LED / LED Degree 110°
Single Colour / Lumen	White 36000 lumen, Royal Blue 13440 lumen
RGBW Colour / Lumen	R: 3000 lumen, G: 7200 lumen, B: 1800 lumen, W: 9000 lumen, RGBW: 21000 lumen
Underwater Camera	Can be applied by modifying the core
Dual Colour / Lumen	White 18000 lumen, Royal Blue 6720 lumen (32 White + 32 Royal Blue LEDs)

ELECTRICAL

Volt	Single & Dual Colour: 9-31 VDC · RGBW: 12 VDC
Current 24 V / 12 V	11.0A - 22.0A
Watt	Single Colour 256W. - RGBW 240W.
Driver	External LED driver in an aluminium heat-sink box

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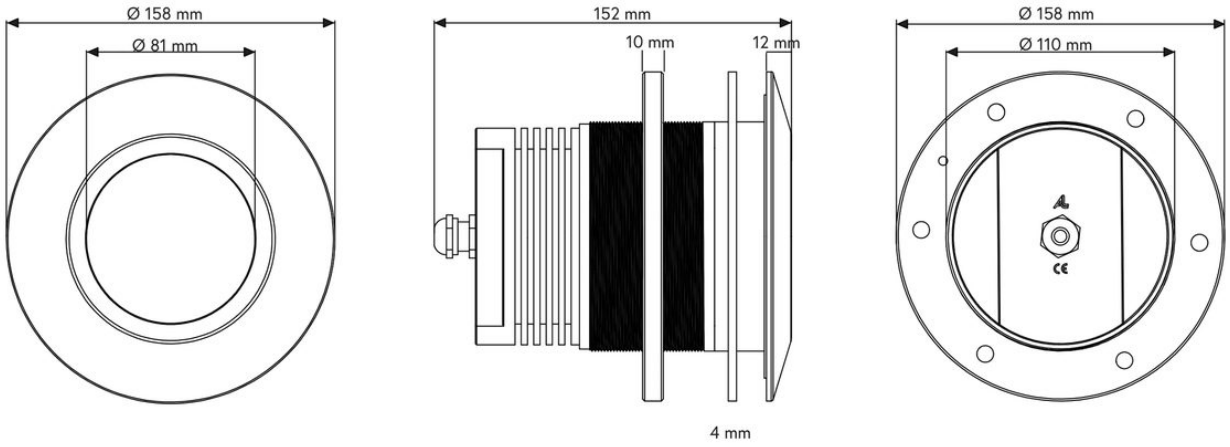
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AL UWL303 TH

THRU-HULL UNDERWATER YACHT LIGHTING

BODY AND MOUNTING	
Boat Dimensions mt./ft.	**15mt. - 100mt. / 50ft. - 330ft.**
IP Code	**IP68 CLASS III**
Body Material	**Marine Aluminum Bronze Body, Marine Aluminum Led Core**
Glass	**12 mm. Special Tempered Glass**
Product Cable	**Single Colour 2 mt. 2×1.5 RNF Marine Cable, RGBW 2 mt. 5×0.75 RNF Marine Cable**
Product Sizes	**Light Head Diameter: 158mm. , Head Height: 8mm. , Full Length: 152mm. , Glass Diameter: 81mm.**
Hole Diameter	**110 mm.**
Weight	**5,800 gr.**

DIMENSION DRAWINGS



Dimensions in millimetres (catalogue 2027).

PRODUCT CODES

Code	LED colour	Power	Luminous flux
AL UWL303 TH (WH/RBL)	White, Royal blue	256 W	—
AL UWL303 TH (RGBW)	RGBW	240 W	—
AL UWL303 TH CORE (WH/RBL)	White, Royal blue	256 W	36000 / 13440 lm
AL UWL303 TH CORE (RGBW)	RGBW	240 W	21000 lm

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