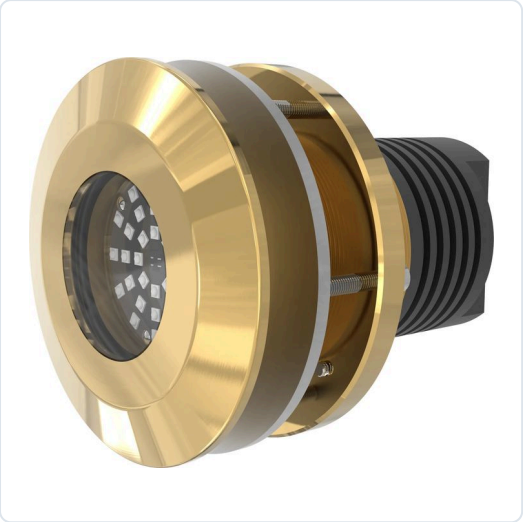
AKER LIGHTING

TECHNICAL DATA SHEET

AL UWL302 TH

THRU-HULL UNDERWATER YACHT LIGHTING



Marine · Yacht Lighting › Aluminium Bronze Thru-Hull Lighting

The AL UWL302 TH is a Thru-Hull underwater yacht light for boats of 7-50 mt. / 25-165 ft., built with a saltwater-resistant aluminium bronze body and a reinforced aluminium replaceable inner core. It carries 32×4W white or royal blue 3535 high-power LEDs, or 30×4W RGBW full-colour LEDs, behind 8 mm shockproof tempered glass, and is IP68 rated. LEDs are replaced from inside the boat without removing the bronze body, and an optional AHD 2MP 1080P camera can be fitted in the same housing.

PROTECTION RATING **IP68**	OPERATING VOLTAGE **9-31 VDC · 12 VDC**	POWER **120–128 W**
BEAM ANGLE **110°**	ELECTRICAL CLASS **Class III**	WARRANTY **2-year warranty**

LED COLOUR	White · Royal blue · RGBW	
POWER	120 W	128 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 : 7-50 mt. / 25-165 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
- 8 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
- 32 LEDs: 16 White + 16 Royal Blue

TECHNICAL DATA

LIGHT

Single Colour LED	**White 32×4W & Royal Blue 32×4W 3535 High Power LED / LED Degree 110°**
RGBW Led	**RGBW 30×4W 3535 High Power LED / LED Degree 110°**
Single Colour / Lumen	**White 18000 lumen, Royal Blue 6720 lumen**
RGBW Colour / Lumen	**R: 1500 lumen, G: 3600 lumen, B: 900 lumen, W: 4500 lumen, RGBW: 10500 lumen**
Underwater Camera	**Can be applied by modifying the core**
Dual Colour / Lumen	**White 9000 lumen, Royal Blue 3360 lumen (16 White + 16 Royal Blue LEDs)**

ELECTRICAL

Volt	**Single & Dual Colour: 9-31 VDC · RGBW: 12 VDC**
Current 24 V / 12 V	**5.4A / 10.8A**
Watt	**Single Colour 128W. - RGBW 120W.**
Driver	**External LED driver in an aluminium heat-sink box**

AK BORU ELK. MALZ. LTD. ŞTİ. · **AKER LIGHTING**
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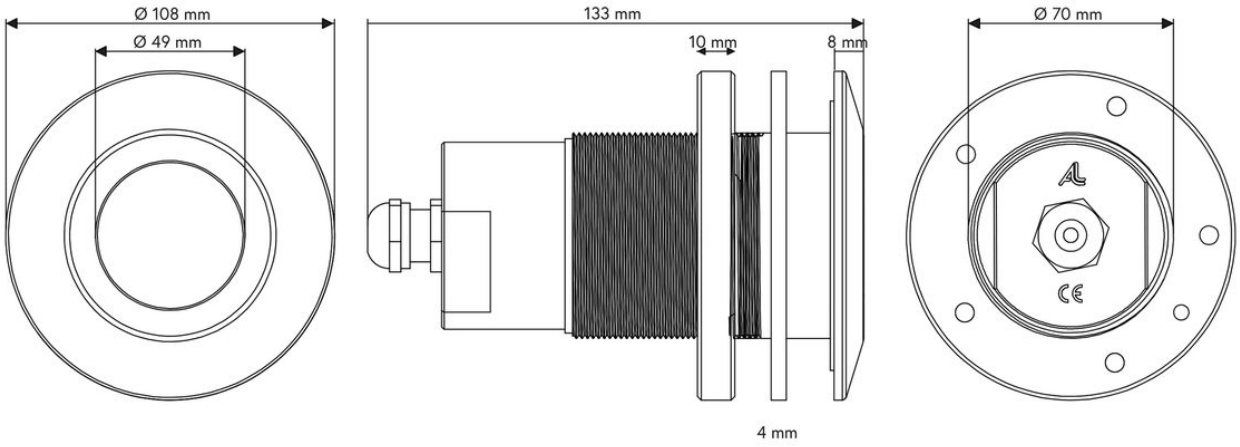
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AL UWL302 TH

THRU-HULL UNDERWATER YACHT LIGHTING

BODY AND MOUNTING	
Boat Dimensions mt./ft.	7mt. - 50mt. / 25ft. - 165ft.
IP Code	IP68 CLASS III
Body Material	Marine Aluminum Bronze Body, Marine Aluminum Led Core
Glass	8 mm. Special Tempered Glass
Product Cable	Single Colour 2 mt. 2×1.5 RNF Marine Cable, RGBW 2 mt. 5×0.50 RNF Marine Cable
Product Sizes	Light Head Diameter: 108mm. , Head height: 8mm. , Full Length: 132.8mm. , Glass Diameter: 49mm.
Hole Diameter	70mm.
Weight	2,350 gr.

DIMENSION DRAWINGS



Dimensions in millimetres (catalogue 2027).

PRODUCT CODES

Code	LED colour	Power	Luminous flux
AL UWL302 TH (WH/RBL)	White, Royal blue	128 W	—
AL UWL302 TH (RGBW)	RGBW	120 W	—
AL UWL302 TH CORE (WH/RBL)	White, Royal blue	128 W	18000 / 6720 lm
AL UWL302 TH CORE (RGBW)	RGBW	120 W	10500 lm

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