AKER LIGHTING

TECHNICAL DATA SHEET

AL UWL301 TH

THRU-HULL UNDERWATER YACHT LIGHTING



Marine · Yacht Lighting › Aluminium Bronze Thru-Hull Lighting

The AL UWL301 TH is a Thru-Hull underwater yacht light for boats of 7-25 mt. / 25-80 ft., with a saltwater-resistant aluminium bronze body and a reinforced aluminium replaceable inner core. The LEDs can be changed from inside the boat by loosening the aluminium lighting capsule, while the bronze body remains fixed on the hull. It uses 16×4W white or royal blue 3535 high-power LEDs, or 15×4W RGBW LEDs, behind 8 mm shockproof tempered glass; an optional AHD 2MP 1080P camera can be fitted in the same housing.

PROTECTION RATING **IP68**	OPERATING VOLTAGE **9-31 VDC · 12 VDC**	POWER **60–64 W**
BEAM ANGLE **110°**	ELECTRICAL CLASS **Class III**	WARRANTY **2-year warranty**

LED COLOUR	White · Royal blue · RGBW
POWER	60 W · 64 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 : 7-25 mt. / 25-80 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
- 16 LEDs: 8 White + 8 Royal Blue

TECHNICAL DATA

LIGHT

Single Colour LED	**White 16×4W & Royal Blue 16×4W 3535 High Power LED / LED Degree 110°**
RGBW Led	**RGBW 15×4W 3535 High Power LED / LED Degree 110°**
Single Colour / Lumen	**White 9000 lumen, Royal Blue 3360 lumen**
RGBW Colour / Lumen	**R: 750 lumen, G: 1800 lumen, B: 450 lumen, W: 2250 lumen, RGBW: 5250 lumen**
Underwater Camera	**Can be applied by modifying the core**
Dual Colour / Lumen	**White 4500 lumen, Royal Blue 1680 lumen (8 White + 8 Royal Blue LEDs)**

ELECTRICAL

Volt	**Single & Dual Colour: 9-31 VDC · RGBW: 12 VDC**
Current 24 V / 12 V	**3.0A / 6.0A**
Watt	**Single Colour 64W. - RGBW 60W.**
Driver	**External LED driver in an aluminium heat-sink box**

AK BORU ELK. MALZ. LTD. ŞTİ. · **AKER LIGHTING**
Office: Perpa Ticaret Merkezi A Blok Kat 8 No:702, 34384 Okmeydanı – Şişli / İstanbul
Tel: +90 212 210 25 26

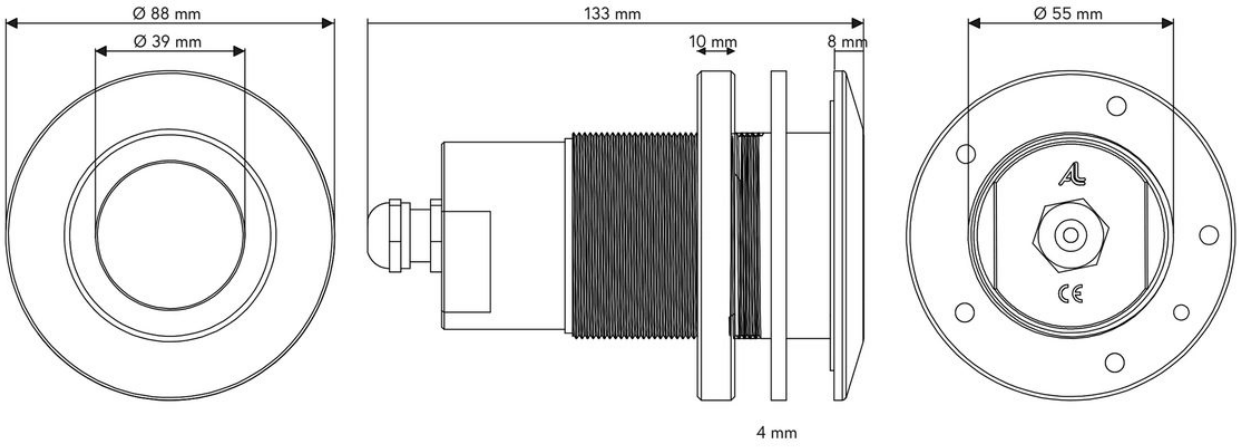
AKBORU
www.akboru.com
info@akboru.com

AL UWL301 TH

THRU-HULL UNDERWATER YACHT LIGHTING

BODY AND MOUNTING	
Boat Dimensions mt./ft.	7mt. - 25mt. / 25ft. - 80ft.
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: 88mm. , Head height: 8mm. , Full Length: 133mm. , Glass diameter: 39mm.
Hole Diameter	55mm.
Weight	1,625 gr.

DIMENSION DRAWINGS



Dimensions in millimetres (catalogue 2027).

PRODUCT CODES

Code	LED colour	Power	Luminous flux
AL UWL301 TH (WH/RBL)	White, Royal blue	64 W	—
AL UWL301 TH (RGBW)	RGBW	60 W	—
AL UWL301 TH CORE (WH/RBL)	White, Royal blue	64 W	9000 / 3360 lm
AL UWL301 TH CORE (RGBW)	RGBW	60 W	5250 lm

AK BORU ELK. MALZ. LTD. ŞTİ. · **AKER LIGHTING**
Office: Perpa Ticaret Merkezi A Blok Kat 8 No:702, 34384 Okmeydanı – Şişli / İstanbul
Tel: +90 212 210 25 26

AKBORU
www.akboru.com
info@akboru.com