

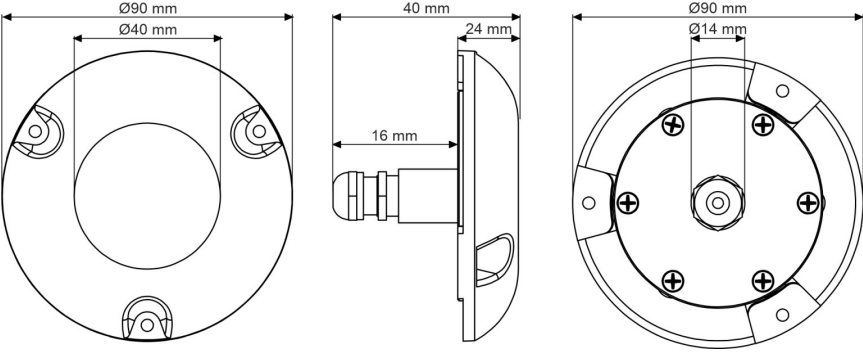
## AL UWL401 SM Surface-Mount Bronze Underwater Boat Light (Ø90 mm)

For boats and yachts of 7-25 m (25-80 ft)

PRODUCT IMAGE



TECHNICAL DRAWING





IP68

PROTECTION



Class III

ELECTRICAL CLASS



Aluminium bronze

BODY



Max. 5 m

DEPTH



Saltwater safe

USE



12-24V

VOLTAGE



RGBW

LIGHT COLOUR



2 m

CABLE



Constant current

DRIVER



UV resistant

DURABILITY



CE

CONFORMITY



Made in Türkiye

ORIGIN



2 years

WARRANTY

### TECHNICAL DATA

| ELECTRICAL    |                                                                                                               | MECHANICAL           |                                                                                                            |
|---------------|---------------------------------------------------------------------------------------------------------------|----------------------|------------------------------------------------------------------------------------------------------------|
| Power         | Single colour 64W<br>RGBW 60W                                                                                 | Body                 | Marine-grade aluminium bronze                                                                              |
| Voltage       | 10-30V DC                                                                                                     | Glass                | Impact-resistant special glass                                                                             |
| Driver        | External constant-current LED driver (in a box with an aluminium heat sink)                                   | Dimensions           | Head diameter Ø90 mm<br>glass diameter Ø40 mm<br>head height 24 mm<br>overall length 40 mm<br>weight 590 g |
| Cable         | Single colour: 2 m 2x1.5 mm² RNF marine cable<br>RGBW: 2 m 5x0.75 mm² RNF marine cable                        | Protection Rating    | IP68<br>Class III                                                                                          |
| OPTICAL       |                                                                                                               | INSTALLATION AND USE |                                                                                                            |
| LED           | Single colour: 16 x 4W 3535 Power LED<br>RGBW: 15 x 4W 3535 Power LED                                         | Mounting / Cut-out   | Surface-mount<br>Ø14 mm cable hole                                                                         |
| LED Colours   | White (6000K), Blue (Royal Blue), RGBW                                                                        | Max. Depth           | 5 m                                                                                                        |
| Luminous Flux | White 9,000 lm<br>Blue 3,360 lm<br>RGBW: Red 750 / Green 1,800 / Blue 450 /<br>White 2,250 lm, total 5,250 lm | Application          | Salt water / sea<br>boats and yachts of 7-25 m (25-80 ft)                                                  |
| Current       | 3.0A (24V) / 6.0A (12V)                                                                                       | GENERAL              |                                                                                                            |
| Beam Angle    | 110°                                                                                                          | Product Code         | AL UWL401 SM                                                                                               |
|               |                                                                                                               | Warranty             | 2 years                                                                                                    |

### OPTIONS AND LUMINOUS FLUX

| LED Colour \ Power                    | 60W    | 64W      |
|---------------------------------------|--------|----------|
| <input type="radio"/> White (6000K)   | –      | 9,000 lm |
| <input checked="" type="radio"/> Blue | –      | 3,360 lm |
| <input checked="" type="radio"/> RGBW | ✓      | –        |
| Voltage                               | 10-30V |          |

Values: total luminous flux (lm). ✓ option available, – not available.

### PRODUCT FEATURES

- ✓

Marine-grade aluminium bronze body — resistant to salt water
- ✓

High-power 3535 LEDs of 4W each; approx. 140 lumens per watt in white
- ✓

Full-colour RGBW LED option
- ✓

Impact-resistant special glass
- ✓

Durable RNF marine cable (single colour 2x1.5 mm², RGBW 5x0.75 mm²)
- ✓

External constant-current LED driver in a box with an aluminium heat sink
- ✓

Surface mounting: only a Ø14 mm cable hole is drilled in the hull — the smallest mounting hole in the series



Installation and Usage Warnings

–

Do not operate out of water.

–

RGBW models are operated with the AL TC02-RGBW controller; one AL TC02-RGBW carries a maximum load of 120W. Up to 2 units of the 60W model can be connected to a single controller. If the total RGBW power exceeds 120W, a dedicated transformer or the AL RGBW/RGB POWER UNIT must be used.