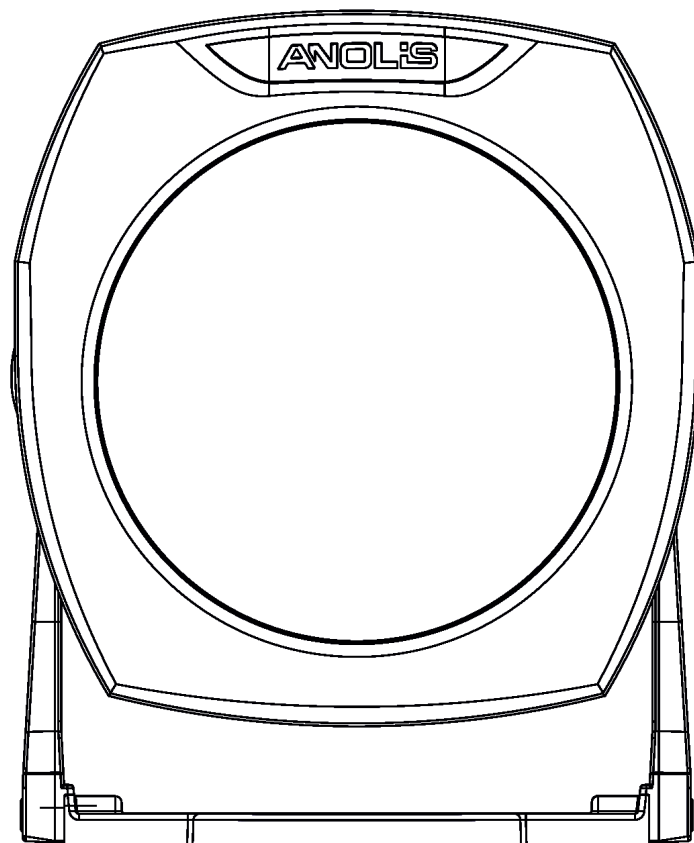




ArcSource Submersible II



Version 1.2

USER MANUAL

ArcSource Submersible II

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1. Introduction

The ArcSource Submersible II has a housing crafted from the highest quality marine grade bronze meaning its is capable to withstand the very harshest environmental conditions. The ArcSource Submersible II can easily operate constantly submersed up to 10 m and offers more than 10 different beam options for positioning freedom.

2. Safety information

The unit must be installed by a qualified electrician in accordance with all national and local electrical and construction codes and regulations.
The persons who are in charge of installation should have the required qualifications for this type of work

Avoid using the unit in locations subject to possible impacts.

The unit is intended only for permanent underwater installation up to depth of 10 m.

Do not let the unit in frozen water.

All service works have to be done in a dry environment (e.g. in a workshop).

Avoid looking directly into the LED light beam at close range.

Immunity of the equipment is designed for electromagnetic environments E1, E2, E3 according to the standard EN55103-2 ed.2 Electromagnetic compatibility. Product family standard for audio, video, audiovisual and entertainment lighting control apparatus for professional use. Part 2: Immunity.

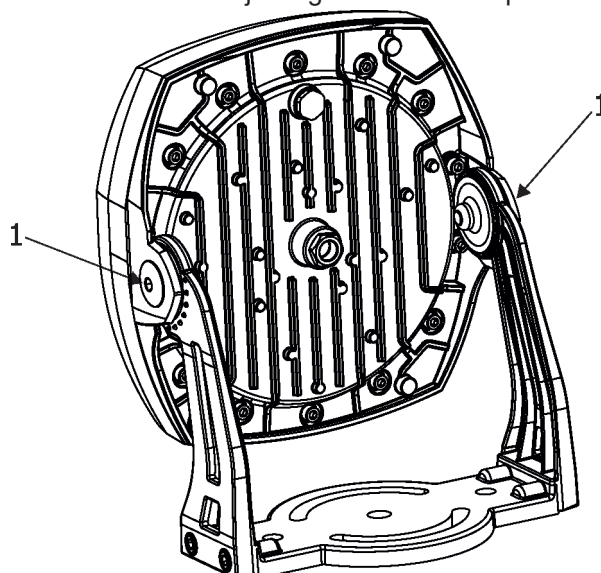
The product (covers and cables) must not be exposed to a high frequency electromagnetic field higher than 3V/m.

The installation company should check levels of possible interferences above the tested levels E1,E2,E3 given by this standard (e.g. transmitters in surrounding area) before installing the equipment.

Emission of the equipment complies with the standard EN55032 Electromagnetic compatibility of multimedia equipment – Emission Requirements according to class B.

3. Mounting

The ArcSource Submersible II can be arranged in any position orientation. The LED module body is mounted on a bronze bracket for tilt adjustment . Use the Allen key no.6 to adjust desired tilt position of the LED module by means of two tilt locks (1). For fastening the ArcSource Submersible II to the flat surface use either three holes or two semicircle slots which allows fine adjusting the fixture in a pan direction.



Wiring of the ArcSource Submersible II:

Wire	Red wire	Blue wire	Orange wire
Function	+24V	Ground	Communication

4. ArcSource Submersible II connection with a control unit

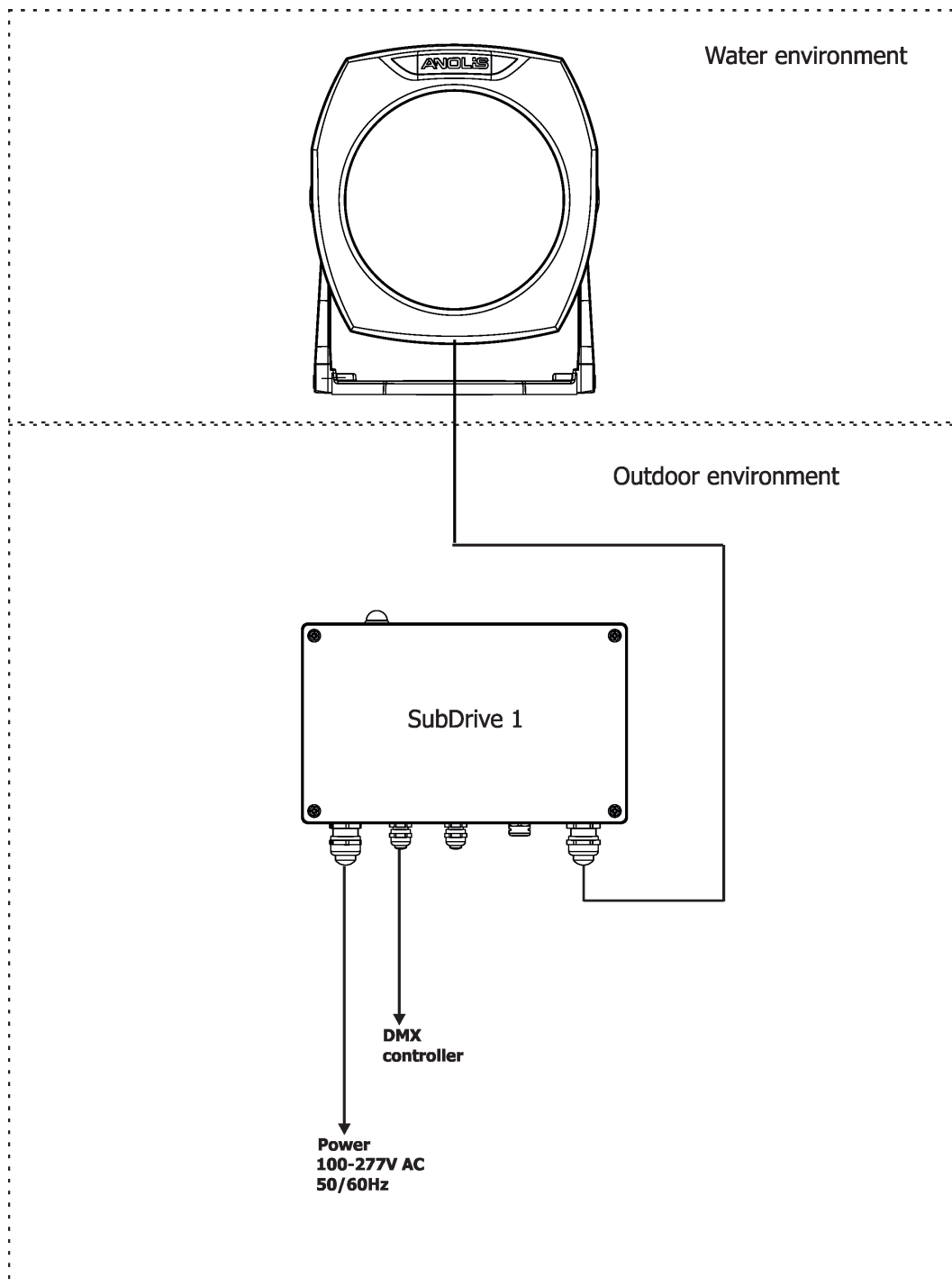
Maximum cable length between the ArcSource Submersible II and the SubDrive 1 (Subdrive 4) depends on the operating mode:

Minimum mode: 100 m

Medium mode: 50 m

Maximum mode: 25 m

Example of connection:



5. Technical specifications

ELECTRICAL

Input voltage :24 V DC

Typical Power Consumption: 35 W (@ 350 mA), 75 W (@ 700 mA), 100 W (@ 1000 mA)

Max. Input Current: 1000 mA (max. per channel)

OPTICAL

Light Source: 6 x 15 W Multichip LED

Colour Variants: RGBW (W - 6500 K), RGBA, PW (W - 3000 K)

Beam Angle:

Symmetrical: 7°, 13°, 20°, 30°, 40°, 60°, 90°

Bi-symmetrical: 7° x 30°, 30° x 7°, 7° x 60°, 60° x 7°, 35° x 70°, 70° x 35°, 10° x 90°, 90° x 10°

Projected Lumen Maintenance: 60.000 hrs (L70 @ 25 °C / 77 °F)

CONTROL

Compatible drivers: SubDrive 1, SubDrive 4

PHYSICAL

Weight: 9.5 kg / 20.9 lbs

Housing: Marine Bronze, Tempered Glass

Connection: Cable Submersible PBS-USE 3x1.5 mm² (CE), Cable Submersible L0390 (US)

Mounting Method: Yoke, Floor Stand (optional)

Adjustability: +35°/ -90°

Protection factor: IP68 10m rating (CE), maximum depth of 10 m (US)

IK Rating: IK10

Cooling System: Convection

Operating Ambient Temperature: +1 °C / +45 °C (34 °F / +113 °F)

Operating Temperature: +55 °C @ Ambient +45 °C (+131 °F @ Ambient +113 °F)

OPTIONAL ACCESSORIES

SubDrive 1

SubDrive 4

Installation Sleeve (P/N 10980285)

Floor Stand ArcSource 24 MC Submersible 5mm (P/N10980315)

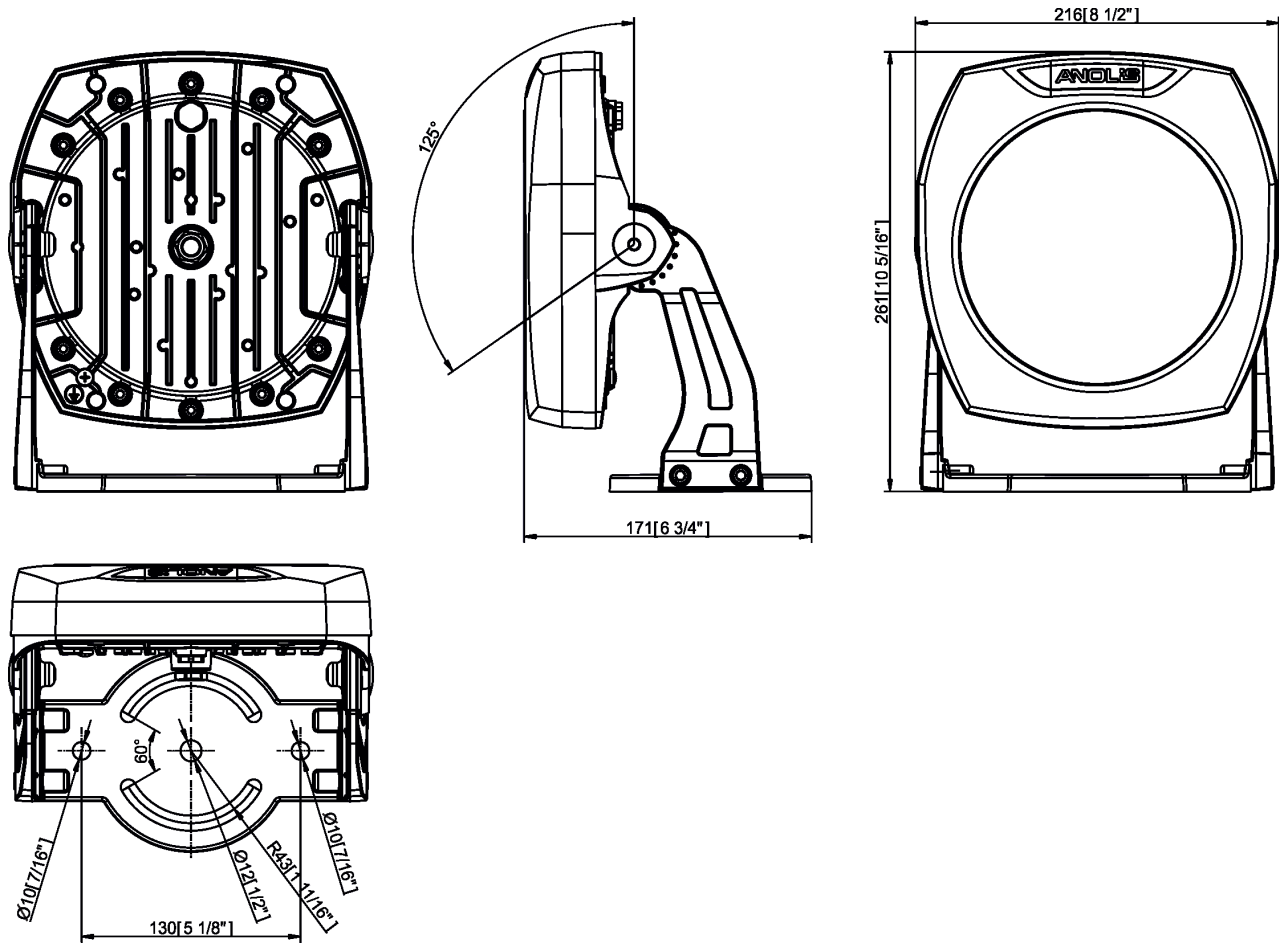
INCLUDED ITEMS

ArcSource Submersible II

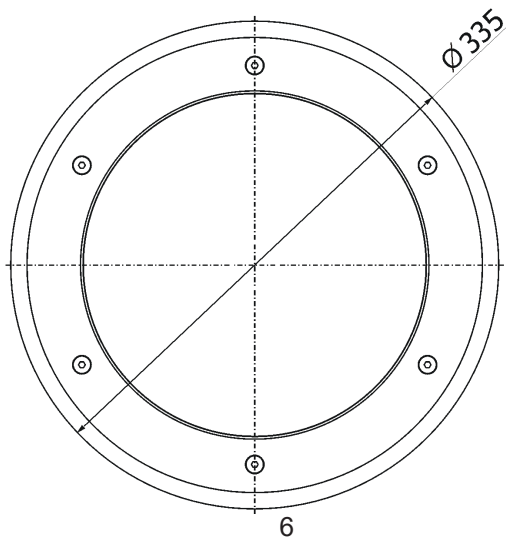
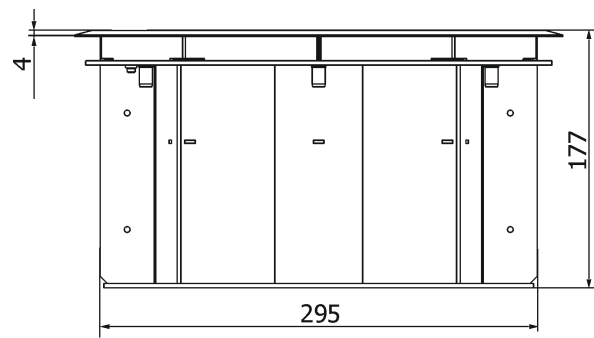
User manual

DIMENSIONS
mm [inch]

ArcSource Submersible II

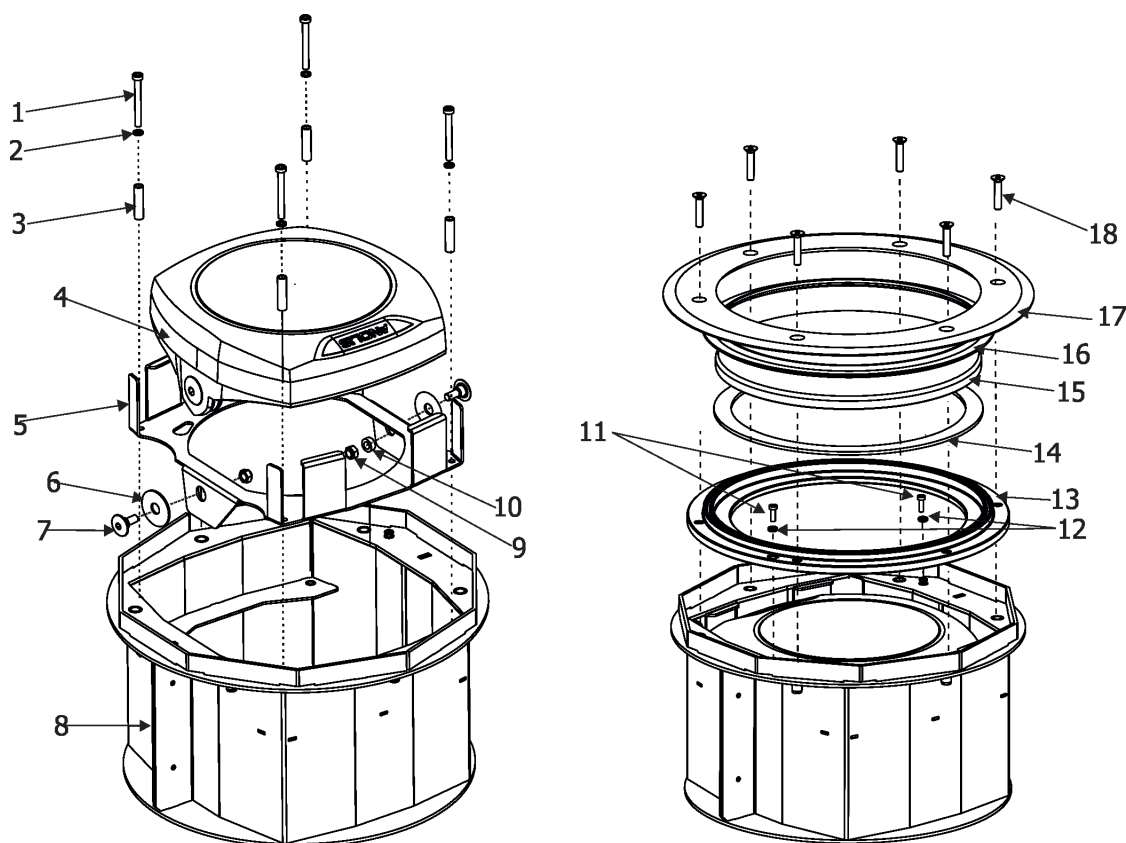


Installation sleeve



6. Mounting the ArcSource Submersible II into the installation sleeve

1. Unscrew the bracket from the ArcSource Submersible II.
2. Insert the ArcSource Submersible II (4) into chassis (5) and fasten it on both sides it by means of two bolts (7) with rubber washers (6), 6 mm long spacers (10) and nuts M8 (9). These parts (6,7,9,10) are components of the installation sleeve (8).
3. Insert Allen bolts M5x45 (1) with spring washers (2) to the 30mm spacers (3) and used them to screw the chassis (5) to the installation sleeve (8) (before inserting chassis, pull the ArcSource Submersible II's cable through the aperture in the installation sleeve).
4. Screw the metal collar (13) to the chassis (5) with two Allen keys M4x12 (11) and washers (12).
5. Insert the flat rubber gasket (14) into metal collar (13).
6. Put the glass (15) on the rubber gasket (14).
7. Put the shaped rubber gasket (16) on the glass (15).
8. Screw the top metal flange (17) by means of the six flat head screws M6x30 (18) to the installing sleeve.
9. Connect the ArcSource Submersible II to the SubDrive 1 (SubDrive 4).



7. Cleaning and maintenance

Disconnect from the mains before starting any maintenance work

Maintenance and service operations are only to be carried out by a qualified person.
Should you need any spare parts, please use genuine parts.

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All Specifications subject to change without notice

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