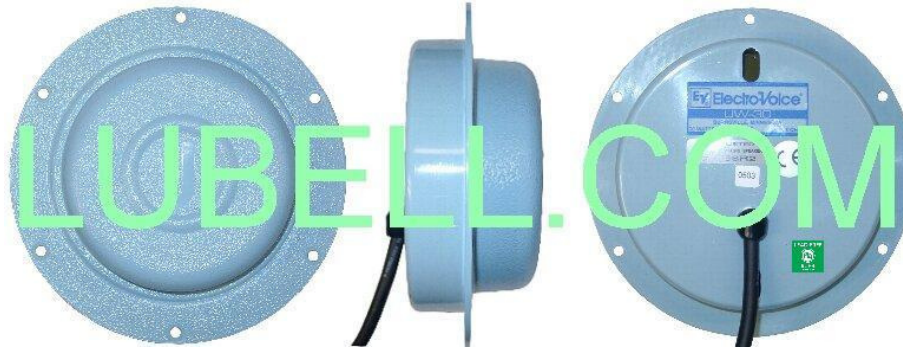


Lubell Labs Presents: EV UW30 Underwater Speaker



The University Sound UW30 underwater speaker is an economical moving-coil underwater speaker manufactured by [Electrovoice](#), a division of [Bosch Security and Safety Systems](#). The UW30 provides a remarkably uniform (± 4 dB) response between 80 Hz - 1300 Hz, with a TVR of 125 dB ref 1 μ Pa/V @ 1 m. The UW30 is suitable for activities including: synchronized swimming in small home pools, marine biology & environmental impact studies in aquariums and tanks, and relaxation during Watsu (aquatic massage) and flotation tank sessions. The UW30 is not recommended for lap swimming in home or commercial pools, or for synchronized swimming in Olympic pools, as the sound levels produced by this technology are not adequate for these activities. *(For these applications, we highly recommend using the piezoelectric Tonpitz technology pioneered and patented by Lubell Labs, who's portable LL916C/H and permanent 9484 underwater loudspeakers produce up to 8 times the sound level of the UW30 due to higher efficiencies and power handling.)* The UW30 underwater loudspeaker may be used in tropical to arctic climates in freshwater or saltwater by virtue of its high-impact ABS outer case and flexible thermoplastic cable.

To insure the safety of personnel and swimmers at aquatic facilities, the UW30 shall be mounted in a corrosion-resistant metal forming shell, the front of which is enclosed by a captive corrosion-resistant metal speaker grille, which is bonded to and secured to the forming shell, insuring a low-resistance contact. This mounting requirement is called out in the 2005 NFPA 70: National Electrical Code (NEC) Handbook Section [680.27](#), as well as in the 2003 International Residential Code (IRC) Paragraph [E4106.9.1](#). In addition, the UW30 underwater speaker must be connected to a UL or ETL approved 30-40 watt commercial-sound amplifier's 8 ohm and Common transformer-isolated speaker terminals labeled "Class 2 Wiring Acceptable"; Amplifier must be installed in dry, air conditioned area, and its three-prong grounding power cord must be connected to a GFCI protected AC outlet which shall be tested per manufacturer's instructions.

UW30 DESCRIPTION

- **Model:** University Sound UW30 ([data sheet](#))
- **Construction:** Moving-coil with 12.7 ounce ceramic magnet, pool-blue ABS casing
- **Rated Frequency Response:** 100 Hz - 10 kHz ([TVR](#) plot)
- **Maximum Output Level:** 153 dB at 150 Hz ([SPL](#) plot)
- **Rated Power Handling:** 30 watts (15.49 Vrms) 500-5000 Hz pink noise
- **Rated Impedance:** 8 ohms nominal ([Z](#) plot)
- **Directivity:** Omnidirectional (50 Hz-3 kHz)
- **Operating Depth:** 4 foot (1.22 m) optimum, 10 foot (3.05 m) maximum
- **Cable:** 50 feet (15.24 m) 18 AWG 3 conductor TPE SJEOOW, bare termination
- **Certifications:** [UL](#), [CE](#)
- **Warranty:** 3 year limited [warranty](#). (Warranty support may be reached at (866) 782-8346 #5, or via email at audiosupport@us.bosch.com)
- **Net Weight / Dimensions:** 6.0 pounds (2.72 kg) / 7.2 inch (18.3 cm) diameter x 2.7 inch (6.86 cm) axial length
- **Shipping Weight / Dimensions:** 6.5 pounds (2.95 kg) / 8" x 8" x 6.5" (20.32 cm x 20.32 cm x 16.51 cm)
- **Electrical Code References:** National Electric Code [680.27](#); International Residential Code [E4106.9](#)
- **UW30 PRICE:** Call Lubell Labs Inc. at (614) 725-2701, or email sales@lubell.com for request for quotation. *We Will Not Be Undersold!*

PARAGON SMALL SPEAKER WET-NICHE* & LUBELL SPEAKER GRILLE (FOR NEW GUNITE POOL CONSTRUCTION ONLY)

- **Small Wet-Niche (Paragon):** Model [68102](#) bronze wet-niche, 3/4 inch IPS rear conduit hub, non-UL, for new [gunite](#) pool construction only - **\$414 Contractor** (*Important note: Only the UW30 fits this niche - no upgrade possible!)
- **Small Speaker Grille (Lubell):** Model [UW30G](#) stainless grille (substitute for Paragon 68103SS) fits Paragon 68102 listed above only - **\$129 Contractor** (see note above!)

HAYWARD LARGE WET-NICHE & LUBELL ADAPTER/GRILLE (FOR NEW GUNITE POOL CONSTRUCTION ONLY)

- **Large Wet-Niche (Hayward):** Model [A9000](#) stainless steel wet-niche, 3/4 IPS side conduit hub, for new [gunite](#) pool construction only - **\$96 Contractor**
- **Large Speaker Grille (Lubell):** Model [A9022](#) stainless steel grille fits [A9000](#) stainless steel wet-niche listed above - **\$120 Contractor**
- **Speaker Adapter Kit (Lubell):** Model [UW30AR](#) stainless steel ring & hardware adapts the [UW30](#) underwater speaker to the [A9000](#) large wet-niche - **\$105 Contractor**

MARINE BIOLOGY PACKAGE INCLUDING SPEAKER, AMPLIFIER, AND PATCH CORD (North America only)

- Includes one [UW30 underwater speaker](#) fitted with 1/4" male phone plug, one [Bogen CC4021](#) mixer-amplifier with 1/4" female phone jack dongle, and one [CMR-203](#) patch cord for connection to computer or mp3 player - **\$650 Researcher**

Lubell Labs Inc.

Excellence in Underwater Sound Since 1969

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