



Lubell LL9642T Underwater Acoustic Projector Underwater Acoustic Transducer Underwater Speaker

For EU military and homeland security applications
requiring Navy diver recall and interrogation of
suspicious divers at 500+ meter range

- **Frequency Range:** 250Hz - 20kHz
- **SPL:** 183dB/uPa/m @ 1 kHz,
193dB/uPa/m @ 10 kHz
- **Maximum Voltage:** 100 Vrms
- **Maximum Current:** 2.5A 100%
D.C.
- **Impedance:** 36 ohms min with
required 33 ohms cable round-trip
resistance (or cable + ext resistor)
- **Operating Depth:** 1.83m - 15.24m
- **Size (HWD):** 27.31cm x 27.31cm x
19.68cm, 7.26kg (w/o cable)
- **Finish:** 30 mil **BLUE PVC**
- **Bulkhead Connector:** Impulse
IERD2F-BC: Pin 2 hot, Pin 1 return
- **Cable:** IE2M-7/16 U/W pluggable
connector on 22.86m 0,785 mm²
SJOOW rubber (CPE) cable
- **Warranty:** 2 year limited
- **Options:** Custom cable, HP150
filter (\$20), 18-136-33AR 300 watt
33 ohm variable resistor (\$40),
[IPA300T](#) power amplifier, 300W/33
ohm, 240V/50Hz, CE/RoHS (\$589)
- **Price:** \$1779

Download pdf [brochure](#) and [manual/data](#)
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The Lubell LL9642T Underwater Acoustic Transducer is designed for general purpose military and scientific applications. The LL9642T may also be used as an underwater loudspeaker when high power is required.

The LL9642T has a useful frequency range of 250Hz-20kHz, a minimum impedance of 36 ohms, and an SPL of 183dB/uPa/m @ 1 kHz and 193dB/uPa/m @ 10kHz with 100 Vrms applied. The LL9642T requires 33 ohms (round-trip) of 2-conductor stranded cable: 4.19 km of 3,191mm² (12AWG), 1.94 km of 2,013mm² (14AWG), 1.20 km of 1,276mm² (16AWG), 0.75 km of 0,785mm² (18AWG) or a combination of cable resistance plus series resistance (18-136-33AR) equal to 33 ohms.

The LL-9642T withstands extreme conditions by virtue of its rugged stainless steel, PVC, and EPDM construction. Unique cage design allows stud mounting to pier, or multiple speaker array producing sound levels in excess of 200dB.

Speaker, cable, and amp RoHS & CE marked
for export to EU.

