

## FR 10 WP 4 OHM (white)

**Art. No. 2110**

**Saltwater resistant 10 cm (4") full-range driver** with moulded plastic cone, plastic basket and grille. Absolutely corrosion-resistant and waterproof due to encased magnet and silicon-coated leads. Clear-cut high-range output. White colour.

**Typical applications:**

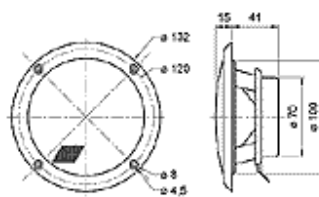
- Outdoor PA systems
- Loudspeaker for solariums and damp locations
- Boats, ships and open vehicles

**Properties:**

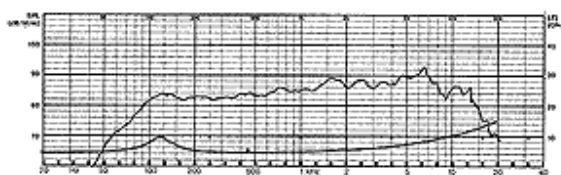
- suitable for outdoor applications
- seawater proof
- functionally at low temperature according to EN 60068-2-1 (-40 °C; 96 h)
- up to the standards of the Germanischer Lloyd (requirements for electrical equipment / low temperature)
- Plastic: ASA (UL 94: HB; UV-/weather-proof)
- ball-resistant

**Used in / Accessories:**

[Gasket for FR 10 WP](#)

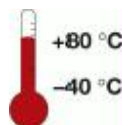


sketch



frequency- and impedance response

**IP 65**



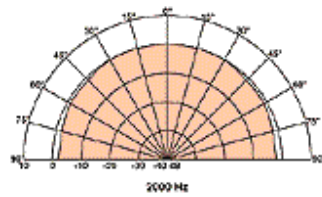
**Technical Data:**

Rated power	20 W
Maximum power	30 W
Nominal impedance Z	4 Ohm
Frequency response	80–16000 Hz
Mean sound pressure level	85 dB (1 W/1 m)
Resonance frequency fs	120 Hz
Magnetic induction	0,85 T
Magnetic flux	290 μWb
Height of front pole-plate	4 mm
Voice coil diameter	20 mm
Cutout diameter	101 mm
Net weight	0,275 kg
D.C. resistance Rdc	3,8 Ohm
Mechanical Q factor Qms	3,13
Electrical Q factor Qes	2,14
Total Q factor Qts	1,27
Equivalent volume Vas	2,1 l
Effective piston area Sd	50 cm²

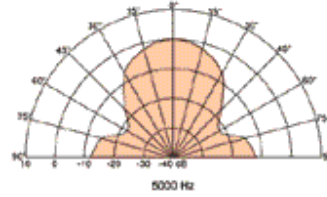
Dynamically moved mass Mms	5 g
Force factor Bxl	2,75 T m
Inductance of the voice coil L	0,3 mH
Protective system	IP 65
Heat resistance	-40 ... 80 °C
Colour	weiß / white

**Similar Products**

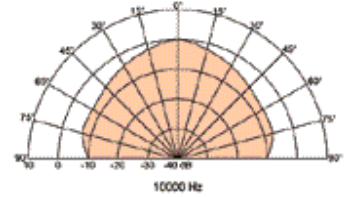
<a href="#">FR 10 4 OHM</a>	<a href="#">FR 10 8 OHM</a>
<a href="#">FR 10 F 4 OHM</a>	<a href="#">FR 10 HM 4 OHM</a>
<a href="#">FR 10 HM 8 OHM</a>	<a href="#">FR 10 WP 4 OHM (black)</a>
<a href="#">FRS 10 WP 4 OHM (black)</a>	<a href="#">FRS 10 WP 4 OHM (white)</a>
<a href="#">FRS 10 WP 8 OHM (black)</a>	<a href="#">FRS 10 WP 8 OHM (white)</a>
<a href="#">R 10 S 4 OHM</a>	<a href="#">R 10 S 8 OHM</a>
<a href="#">R 10 SC 4 OHM</a>	<a href="#">R 10 SC 8 OHM</a>



[radiation pattern 2000 Hz](#)



[radiation pattern 5000 Hz](#)



[radiation pattern 10000 Hz](#)