

# 100 OD8

## Product Data Sheet

The 100 OD8 loudspeakers have reaped the rewards of Focal's expertise and deliver high quality sound playback in outdoor environments. Just like the other models in the 100 Series range, they contain Focal technologies with an Aluminum inverted dome tweeter and a Polyglass treated bass/mid-range speaker driver at the source of their acoustic performance. These loudspeakers have been designed for extreme weather conditions and have received IP66 certification, meaning they are highly resistant to bad weather. They have been manufactured around a high density polypropylene cabinet, with an Aluminum grille, and have a reinforced Aluminum bracket so it can be fixed securely either vertically or horizontally. Available in a ready-to-paint black or white finish, they have also had a UV protection treatment.



### Key points

- Technical design, IP66 certified (water and dust)
- Ready-to-paint grille and cabinet
- 8 ohms impedance, possibility to connect 2 loudspeakers to the same amplifier output

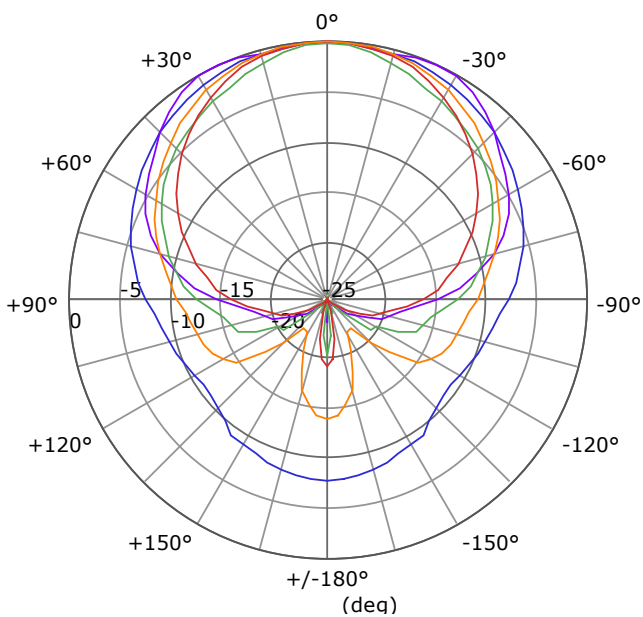
### Finishes



Type	Outdoor loudspeaker
Speakers	Aluminum inverted dome tweeter 8" (210mm) waterproof woofer with Polyglass treatment
Sensitivity (2,83V/1m)	88dB
Frequency response (+/-3dB)	60Hz-23kHz
Low frequency point (-6dB)	45Hz
Nominal impedance	8Ω
Minimal impedance	6.7Ω
Recommended amp power	20-150W
Filtering frequencies	2,800Hz
Dimensions (L x P x H) with brackets	10.2 x 11 x 15.4" (258 x 280 x 390mm)
Net weight with brackets	12.6lbs (5.8kg)

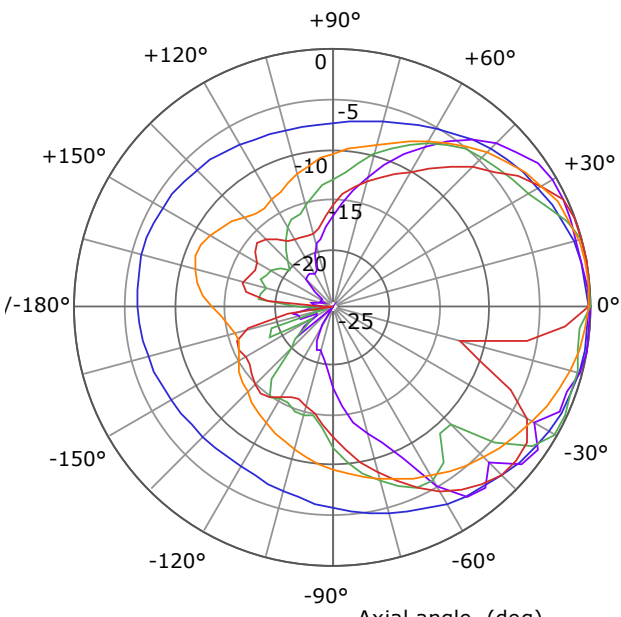
## Measurements Directivity

Horizontal



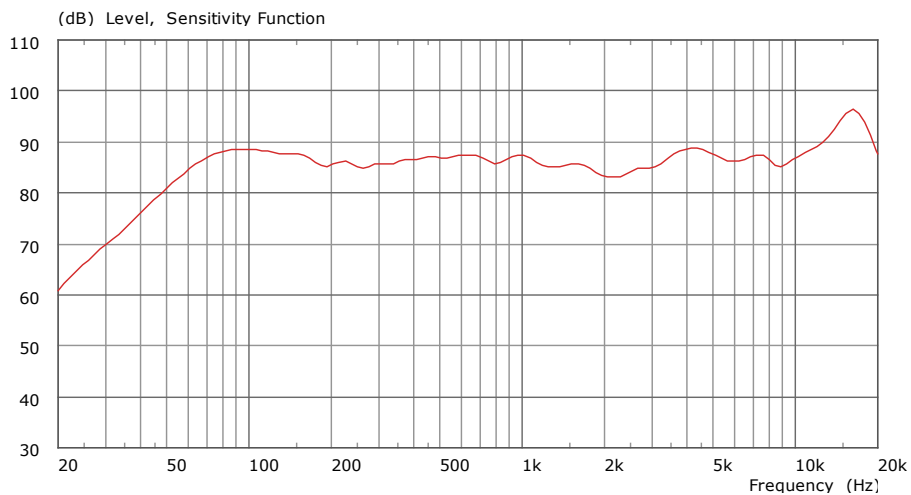
- Curve at: 500 Hz
- Curve at: 1 kHz
- Curve at: 2 kHz
- Curve at: 4 kHz
- Curve at: 8 kHz

Vertical



- Curve at: 493.5 Hz
- Curve at: 1 kHz
- Curve at: 2 kHz
- Curve at: 4 kHz
- Curve at: 8 kHz

## Frequency Response



## 100 OD8 Speaker level Calculation Table

<b>Nominal sensitivity</b>	87dB						
<b>Power/Distance</b>	<b>1m</b>	<b>2m</b>	<b>5m</b>				
1 W (2.83V)	88dB	82dB	74dB				
10 W (8.94V)	98dB	92dB	84dB				
20 W (12.6V)	101dB	95dB	87dB				
30 W (15.5V)	103dB	97dB	89dB				
<b>Summary</b>	<b>125Hz</b>	<b>250Hz</b>	<b>500Hz</b>	<b>1kHz</b>	<b>2kHz</b>	<b>4kHz</b>	<b>8kHz</b>
<b>NPA (2.83V/1m)</b>	88dB	85dB	87dB	87dB	84dB	89dB	87dB
<b>Opening Angle at -6dB</b>	360°	360°	160°	120°	100°	110°	130°