



# CIRA8

## QuickFit™ 2-way 8" ceiling speaker with TwistFix™ grill

### Highlights:

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- TwistFix™ borderless grill design
- Excellent off axis performance
- Flat frequency response
- Consistent sound profile throughout complete family
- Exceptional intelligibility and musical performance
- Lifetime stability and toolfree installation with unique Quickfit™ innovation

### Product information:

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Designed to offer the best value for money ratio. The CIRA series are coaxial 2-way ceiling speakers featuring exceptional intelligibility and musical performance. The TwistFix™ borderless grill design offers easy but solid assembly and a completely seamless transition from grill to ceiling. This results in a perfect blend in to its environment. The QuickFit™ installation system combined with FastCon™ connector offers lifetime stability and great installers convenience.

The CIRA8 features a 8" driver using polypropylene cone material, combined with a 1" Mylar tweeter fitted with a phase plug for excellent off axis performance. The selected materials guarantee a low distortion performance with smooth and flat frequency response. A continuous power handling of 40 Watt (RMS) and maximum power handling of 80 watt is achieved, while fitted with a multi-tapping 100V line transformer with tapings for 24W, 12W, 6W and an 8 Ohm & 16 Ohm bypass connection.

### Applications:

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- Corporate
- Retail
- Bars & Restaurants



### Impedance:

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$\Omega$  8 Ohm  $\Omega$  16 Ohm

### Voltage:

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 100 Volt

## System specifications:

Peak power handling		160 W
Program power handling		80 W
RMS/AES power handling		40 W
Sound Pressure (Max. W/1m)	@ 100 V	105 dB
Sensitivity (1W/1m)		89 dB
Frequency	Response ( $\pm 3$ dB)	40 Hz - 20 kHz
Speaker type		2-way coaxial
Impedance		8 $\Omega$ (CIRA824) 16 $\Omega$ (CIRA840D)
Frequency	Range (-10 dB)	33 Hz - 20 kHz
Dispersion	Conical	140°
Connectors		Multi-tap Fast-con™ connections
Drivers	HF	1"
	LF	8"
Line Transformer Tappings	1	24 W - 417 $\Omega$ (CIRA824)
	2	12 W - 833 $\Omega$ (CIRA824)
	3	6 W - 1667 $\Omega$ (CIRA824)

## Product Features:

Cut-out measurement	243 mm ( $\emptyset$ )
Dimensions	270 x 82 mm ( $\emptyset$ x D)
Weight	1.65 kg (CIRA840D) 1.75 kg (CIRA824)
Operating temperature	-20 °C ~ 60 °C
Construction	ABS
Front finish	Twist-Fix™ borderless finely perforated steel grill
Built-in depth	82 mm
Mounting	QuickFit™ mounting system
Colours	White (RAL9003) (CIRA824/W & CIRA840D/W)

## Variants:

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- CIRA840DI/W - White version, 16  $\Omega$  (RAL9016)
- CIRA824I/W - White version, 8 $\Omega$  & 24 Watt @ 100V (RAL9016)
- CIRA840D/W - White version, 16  $\Omega$

## Shipping & Ordering:

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Packaging

Cardboard box

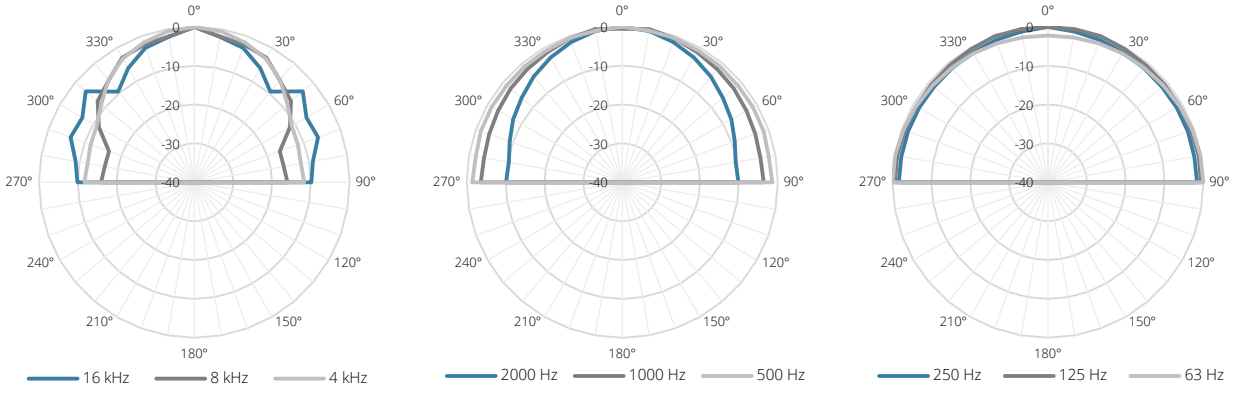
## Architects' and Engineers' Specifications:

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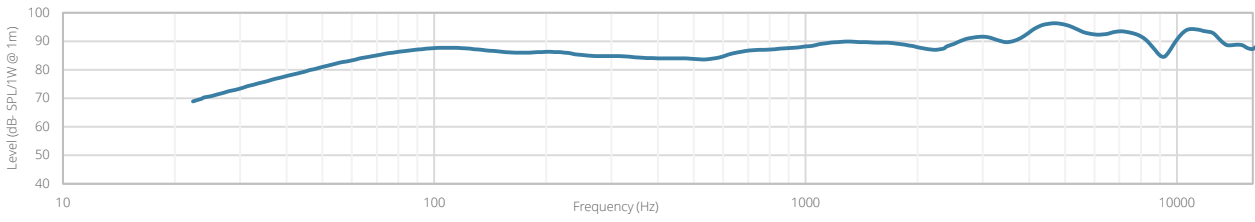
CIRA824 The ceiling mount loudspeaker shall be a 2-way coaxial type equipped with a 8" low frequency driver combined with an 1" mylar tweeter and fitted with a line transformer allowing it to be used on 100 Volt distributed line systems. It shall have an RMS power handling of 40 Watt with a maximum power handling of 80 Watt and the frequency response ( $\pm 3$  dB) shall range from 40 Hz to 20 kHz. The sensitivity shall be 89 dB when measuring with an input signal of 1 Watt at a distance of 1 meter, while the maximum continuous sound pressure level shall be 105 dB. The nominal dispersion shall be a 140° conical coverage pattern at -6dB (average 100 Hz - 10 kHz). The loudspeaker shall fitted with a multi-tapping line transformer with tapings for 24 Watt, 6 Watt and 6 Watt including an 8 Ohm bypass. Fast and smooth connection of the system shall be possible using a Fast-con™ multi-tapping connector. The speakers frame shall be constructed in high quality ABS material and the front shall be finished through a borderless and finely perforated steel grill. A TwistFix™ borderless grill shall be provided, offering fast and stable assembly while guaranteeing seamless transition from grill to ceiling. It shall come available in both white (RAL9003) and black (RAL9005) colours and custom painting shall make it blend-in with any environment. Mounting of the speaker into the ceiling shall be possible using a 3-screw QuickFit™ installation system, a fixture point for an optional safety cable shall also be provided. The speaker shall have a diameter of 270 mm, a depth of 86 mm and the weight shall not exceed 1.71 kg. The speaker shall fit in a mounting hole with a cutout diameter of 243 mm and a build-in depth of 82 mm.

# Acoustical data graphs:

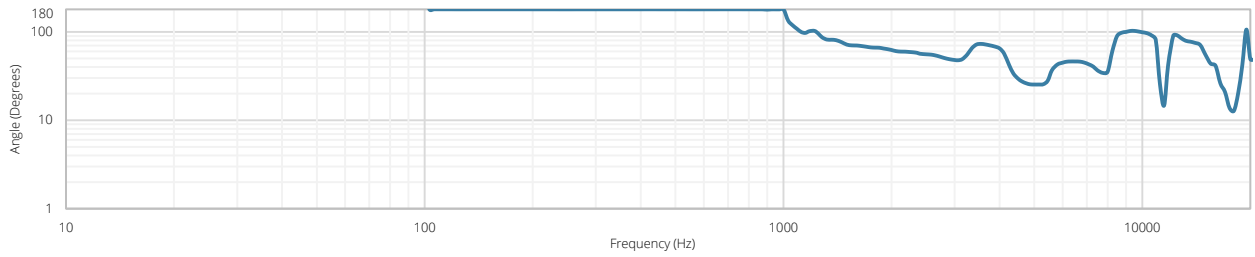
Polars:



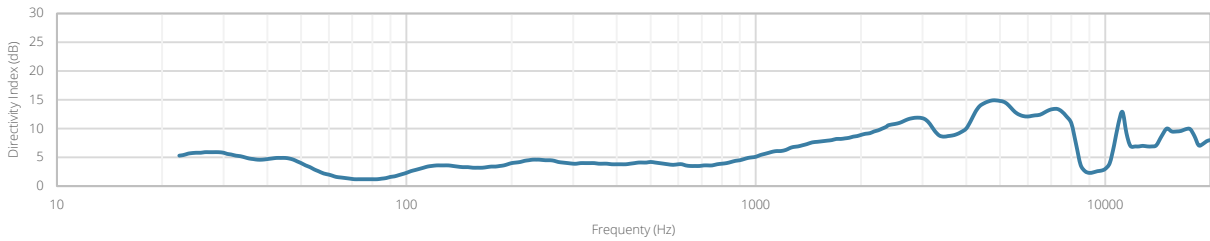
Sensitivity:

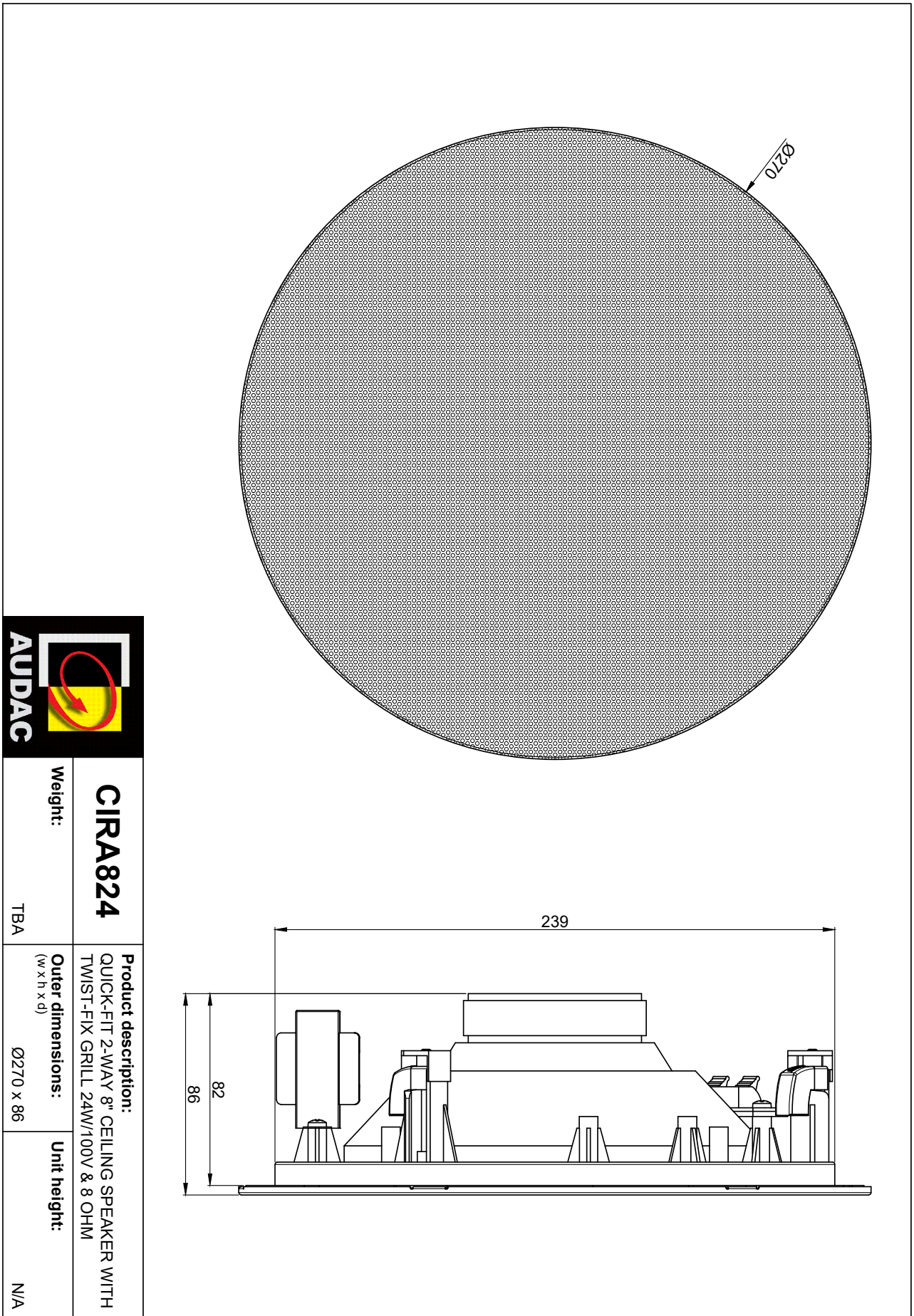


Beamwidth (-3dB):

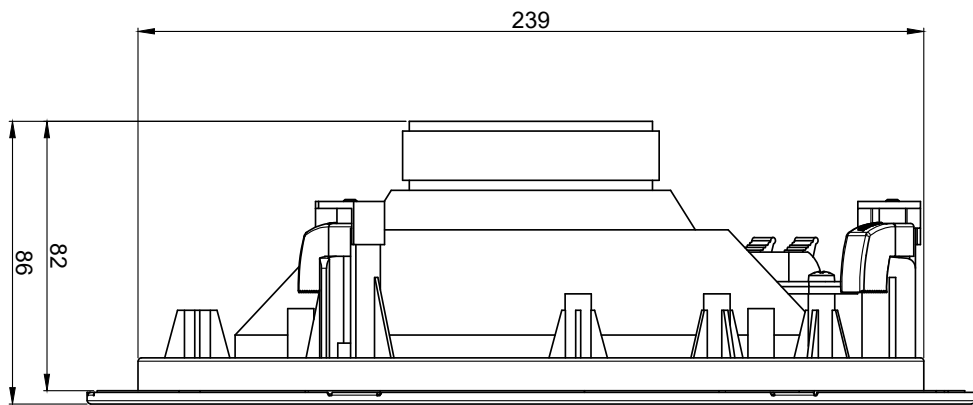
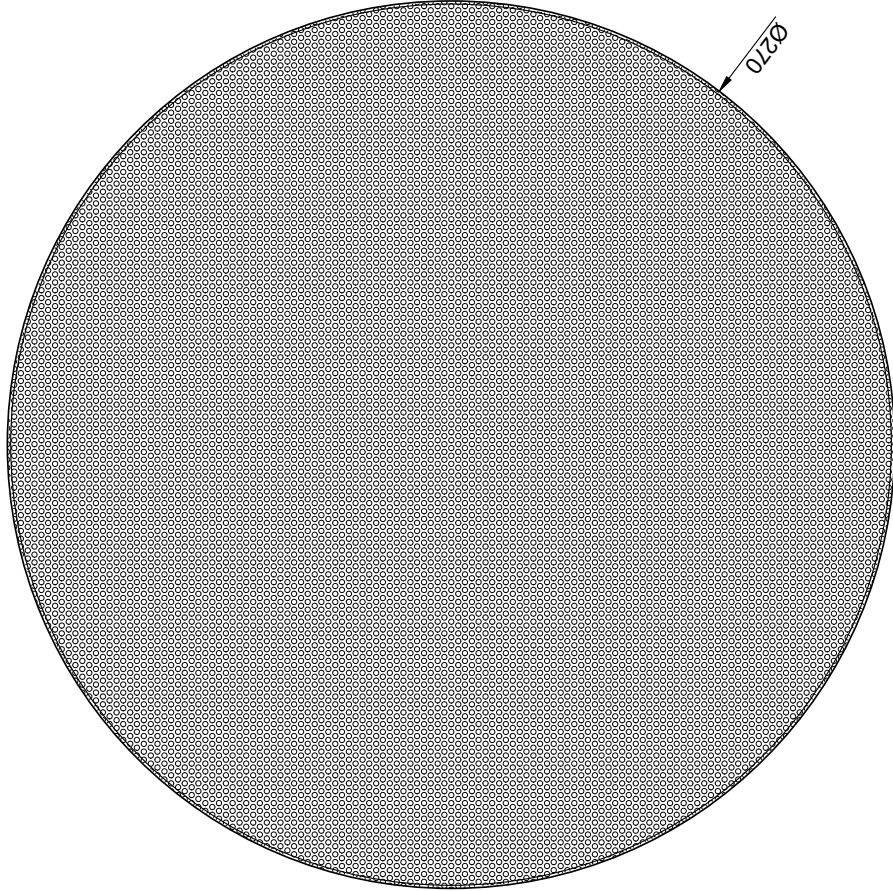


Directivity index:





<b>Weight:</b> TBA	<b>CIRA824</b>
<b>Outer dimensions:</b> (w x h x d) Ø270 x 86	<b>Product description:</b> QUICK-FIT 2-WAY 8" CEILING SPEAKER WITH TWIST-FIX GRILL 24W/100V & 8 OHM
<b>Unit height:</b> N/A	



<b>CIRA840D</b>	<b>Product description:</b> QUICK-FIT 2-WAY 8" CEILING SPEAKER WITH TWIST-FIX GRILL 40W/16 OHM	<b>Unit height:</b> N/A
<b>Weight:</b> TBA	<b>Outer dimensions:</b> <small>(w x h x d)</small> Ø270 x 86	<b>Unit height:</b> N/A