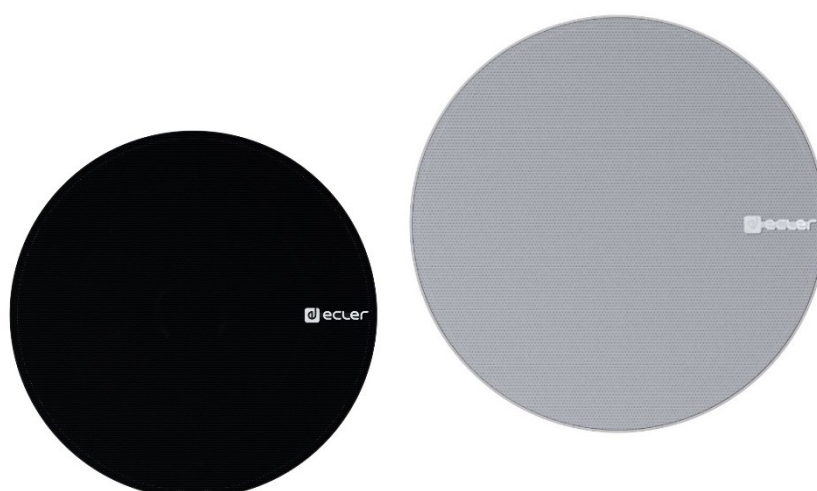


# IC6i / IC8i

## LOUDSPEAKERS

*In-ceiling / In-wall Loudspeaker*



## USER MANUAL



PRECAUTIONS
WARRANTY & ENVIRONMENT
PACKAGE CONTENTS
DESCRIPTION & FEATURES
CONNECTORS
LOCATION & ASSEMBLY
PAINTING
TECHNICAL DATA

# TABLE OF CONTENTS

<b>1. PRECAUTIONS.....</b>	<b>3</b>
1.1 Important Notice.....	3
1.2 Key Safety Directions.....	4
1.3 Cleaning Directions.....	4
<b>2. WARRANTY &amp; ENVIRONMENT .....</b>	<b>5</b>
<b>3. PACKAGE CONTENTS.....</b>	<b>5</b>
<b>4. DESCRIPTION &amp; FEATURES .....</b>	<b>6</b>
4.1 Main Features.....	6
4.1.1 IC6i.....	6
4.1.2 IC8i.....	6
<b>5. CONNECTIONS .....</b>	<b>7</b>
<b>6. LOCATION &amp; ASSEMBLY.....</b>	<b>8</b>
<b>7. PAINTING .....</b>	<b>9</b>
<b>8. TECHNICAL DATA .....</b>	<b>10</b>
8.1 Technical Specifications.....	10
8.1.1 IC6i.....	10
8.1.2 IC8i.....	11
8.2 Mechanical Diagram.....	12
8.2.1 IC6i.....	12
8.2.2 IC8i.....	13

	
PRECAUTIONS	
WARRANTY & ENVIRONMENT	
PACKAGE CONTENTS	
DESCRIPTION & FEATURES	
CONNECTIONS	
LOCATION & ASSEMBLY	
PAINTING	
TECHNICAL DATA	

## 1. PRECAUTIONS

### 1.1 Important Notice



**WARNING: SHOCK HAZARD - DO NOT OPEN**


**AVIS: RISQUE DE CHOC ÉLECTRIQUE - NE PAS OUVRIR**



The flashing light with an arrowhead symbol inside an equilateral triangle on it is intended to alert the user of the presence of non-insulated “dangerous voltage” within the enclosure, which might be of sufficient magnitude to pose a risk of electric shock to users.



The exclamation mark within an equilateral triangle is intended to alert the user of the requirement for important operating and maintenance (servicing), for which instructions may be found in the literature accompanying the appliance.

**WARNING (If applicable):** Terminals marked with symbol “” may be of sufficient magnitude to pose a risk of electric shock. The external wiring connected to terminals requires installation by a technician, or the use of ready-made leads or cords.

**WARNING:** To prevent fire or shock hazard, do not expose this equipment to rain or humidity.

**WARNING:** A device with Class I manufacturing ought to be connected to a mains socket outlet with a protective earthing connection.



**WARNING:** Ecler products have a long lifetime of more than 10 years. This product must never be discarded as unsorted urban waste, but must be taken to the nearest electrical and electronic waste treatment centre.

## 1.2 Key Safety Directions

1. Read the following directions.
2. Keep the following directions.
3. Observe all warnings.
4. Follow all instructions.
5. Do not use this device in proximity to water.
6. Clean only with a dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other devices (including amplifiers) that may release heat.
9. Do not defeat the safety purpose of the polarized or grounding type plug. A polarized plug has two blades, with one being wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, contact a qualified electrician for a replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched, particularly at the plugs, convenience receptacles, and at the point of exit from the device.
11. Only use attachments/accessories specified by the manufacturer.
12. Unplug the device during lightning storms or when unused for long periods.
13. Refer all servicing to qualified personnel. Servicing is required when the device has been damaged in any way, such as power supply cord or plug damage, liquid spillage or objects onto the device, the device has been exposed to rain or humidity, does not operate normally, or has been dropped.
14. Disconnecting from mains: When switching off the POWER switch, all the functions and light indicators of the unit will be stopped, but fully disconnecting the device from mains is done by unplugging the power cable from the mains input socket, therefore, it should always remain easily accessible
15. Equipment is connected to a socket-outlet with an earthing connection by means of a power cord.
16. The marking information is located at the top/rear of the unit.
17. The device shall not be exposed to dripping or splashing liquids, and no liquid-filled objects, such as a filled up glass, shall be placed on top of the device.

## 1.3 Cleaning Directions



**Clean the unit with a soft, dry clean cloth** or slightly wet with water and neutral liquid soap only, then dry it with a clean cloth. Be careful that water never gets into the unit through any hole. Never use alcohol, benzine, solvents or abrasive substances to clean this unit.

**NEEC AUDIO BARCELONA, S.L.** accepts no liability for any damage that may be caused to people, animal, or objects due to failure to comply with the warnings above.



PRECAUTIONS

WARRANTY  
&  
ENVIRONMENT

PACKAGE  
CONTENTS

DESCRIPTION  
&  
FEATURES

CONNECTIONS

LOCATION  
&  
ASSEMBLY

PAINTING

TECHNICAL  
DATA

## 2. WARRANTY & ENVIRONMENT

Thank you for choosing our Ecler IC6i / IC8i!

We greatly value your trust.

It is **VERY IMPORTANT** to carefully read this manual and to fully understand its contents before any connecting takes place in order to make the best use of this equipment, as well as to get the best performance from it.

To ensure optimal operation of this device, **we strongly recommend that its maintenance be carried out by our authorised Technical Services.**

**All ECLER products are covered by warranty**, please refer to [www.ecler.com](http://www.ecler.com) or the warranty card included with this product for the period of validity and conditions.



Ecler is truly committed with the environment and planet sustainability, energy saving and CO<sub>2</sub> emission reduction. Recycling materials and using non-contaminant components are also top priorities in our green crusade.

Ecler has deeply evaluated and analyzed the environmental impacts of all the processes involved in the production of this product, including packaging, and has alleviated, reduced and/or compensated for them.

## 3. PACKAGE CONTENTS

- IC6i:

- |                        |                      |
|------------------------|----------------------|
| ○ 1x IC6i unit.        | ○ First Steps Guide. |
| ○ 1x cutting template. | ○ Warranty card.     |

- IC8i:

- |                        |                      |
|------------------------|----------------------|
| ○ 1x IC8i unit.        | ○ First Steps Guide. |
| ○ 1x cutting template. | ○ Warranty card.     |



PRECAUTIONS

WARRANTY  
&  
ENVIRONMENT

PACKAGE  
CONTENTS

DESCRIPTION  
&  
FEATURES

CONNECTIONS

LOCATION  
&  
ASSEMBLY

PAINTING

TECHNICAL  
DATA

## 4. DESCRIPTION & FEATURES

IC6i & IC8i speakers for false ceilings incorporates carefully selected components in an easy-to-use design that is quick to install. They also provide excellent sound quality for high and low thanks to our infinite speaker philosophy and to top-performance high frequency transducer.

Because we have included a transformer in the whole series, our units are extremely versatile and are easy to use both in applications with low impedance and in applications running at 100V/70V. All you have to do is shift the position of the built-in selector.

The transducers used to play low and medium frequencies are made of polypropylene, giving them maximum, long-term stability and protecting them from environmental factors like heat and humidity.

The IC6i and IC8i models are fitted with a frameless magnetic protective grille featuring the Ecler logo. To remove the grille, gently pull it away from the speaker. The Ecler logo can also be removed by simply pulling it off the grille.

### 4.1 Main Features

#### 4.1.1 IC6i

- Two-way ABS speaker, 40 WRMS.
- 6.5" woofer / 1" tweeter.
- Built-in audio transformer for 70/100 V use.
- Polypropylene woofer that resists heat and humidity.
- Frameless Magnetic grille.
- Front grille may be removed for painting.
- The Ecler logo is removable.
- Clip-type input terminals and low impedance / high impedance power tap selector.
- Cutting template included.
- Support system with 3 rotating tabs.
- Available in black (RAL9005) or white (RAL9003) finish.
- [EASE files available.](#)

#### 4.1.2 IC8i

- Two-way ABS speaker, 60 WRMS.
- 8" woofer / 1" dome tweeter.
- Built-in audio transformer for 70/100 V use.
- Polypropylene woofer that resists heat and humidity.
- Frameless Magnetic grille.
- Front grille may be removed for painting.
- The Ecler logo is removable.
- Clip-type input terminals and low impedance / high impedance power tap selector.
- Cutting template included.
- Support system with 3 rotating tabs.
- Available in black (RAL9005) or white (RAL9003) finish.
- [EASE files available.](#)



PRECAUTIONS

WARRANTY  
&  
ENVIRONMENT

PACKAGE  
CONTENTS

DESCRIPTION  
&  
FEATURES

CONNECTORS

LOCATION  
&  
ASSEMBLY

PAINTING

TECHNICAL  
DATA

5. CONNECTIONS

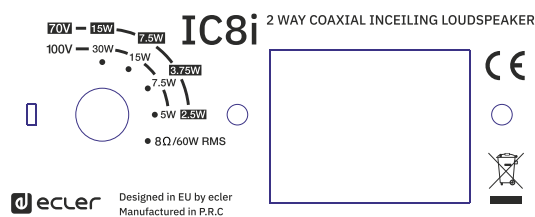
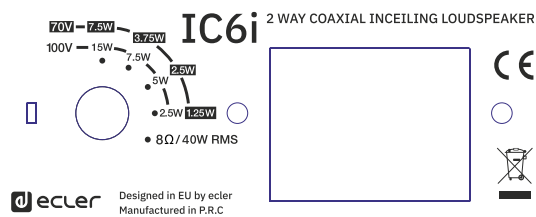
The IC6i and IC8i are shipped from factory with the switch in 100V/70V position. If it is connected to a low-impedance amplifier, the speaker will not be damaged but will operate significantly below its full potential.

**!** If the speaker is accidentally connected to a 100V/70V line in the 8Ω position, it will be severely damaged.

**💡** If the loudspeaker is used in installations at 70V, the corresponding powers for the 100V position will be reduced to half. In the case of installations at 50V, to a quarter.

**!** Always respect the polarity.

The connection terminals for both models IC6i and IC8i are of the pressure clamp type for bare cable. Once connected, just select the mode and working power of the unit with a simple screwdriver.



IC6i / IC8i Connection plate

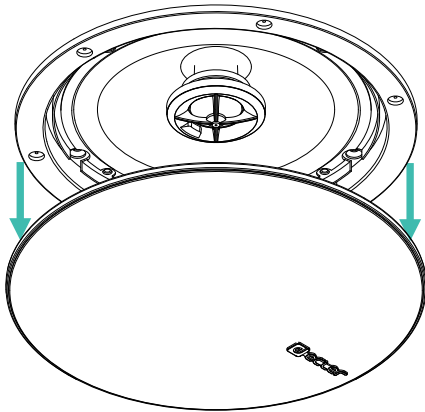
PRECAUTIONS
WARRANTY & ENVIRONMENT
PACKAGE CONTENTS
DESCRIPTION & FEATURES
CONNECTIONS
LOCATION & ASSEMBLY
PAINTING
TECHNICAL DATA

## 6. LOCATION & ASSEMBLY

To install this product correctly, it is necessary to cut circular holes in the false ceiling at the desired speaker locations and ensure the necessary wiring is in place for each unit.

To ensure proper speaker installation, please follow these steps:

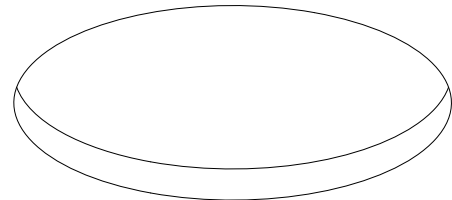
1



Gently pull the frameless magnetic protective grille to remove it from the loudspeaker.

**!** Take care not to damage the loudspeaker when removing the grille.

2

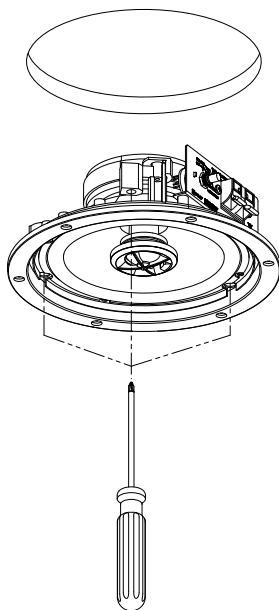


Use the cutting template provided with each unit to mark and cut a circular hole in the false ceiling.

3

Connect the cables to the device, [following the instructions provided in the Connections chapter.](#)

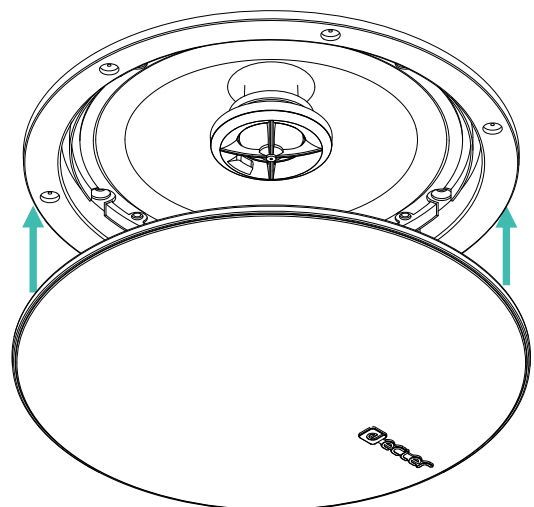
4



Place the speaker in the newly cut hole. Hold it in position with your hand and insert it carefully, ensuring that the three rotating fasteners are retracted.

Tighten each of the three screws that are accessible from the front side of the speaker. The speaker is now fixed in its final position.

5



Reattach the frameless magnetic protective grille.



PRECAUTIONS

WARRANTY  
&  
ENVIRONMENT

PACKAGE  
CONTENTS

DESCRIPTION  
&  
FEATURES

CONNECTORS

LOCATION  
&  
ASSEMBLY

PAINTING

TECHNICAL  
DATA

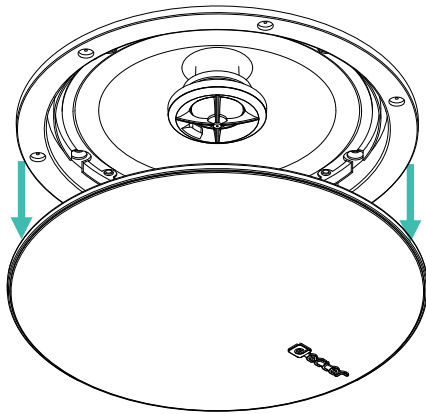


## 7. PAINTING

The IC series is specifically designed to be painted, ensuring perfect visual integration and aesthetic harmony regardless of architectural style or interior design requirements.

To paint the speaker, please proceed as follows:

1

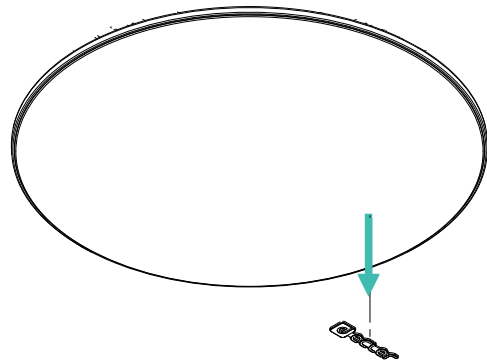


Gently pull the frameless magnetic protective grille to remove it from the loudspeaker.



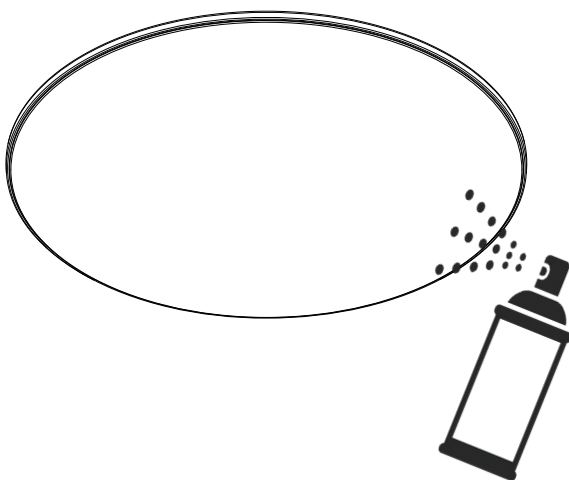
**Take care not to damage the loudspeaker when removing the grille.**

2



The Ecler logo has an adhesive strip that allows it to be easily removed and reattached. Remove the Ecler logo by simply pulling it off the grille.

3

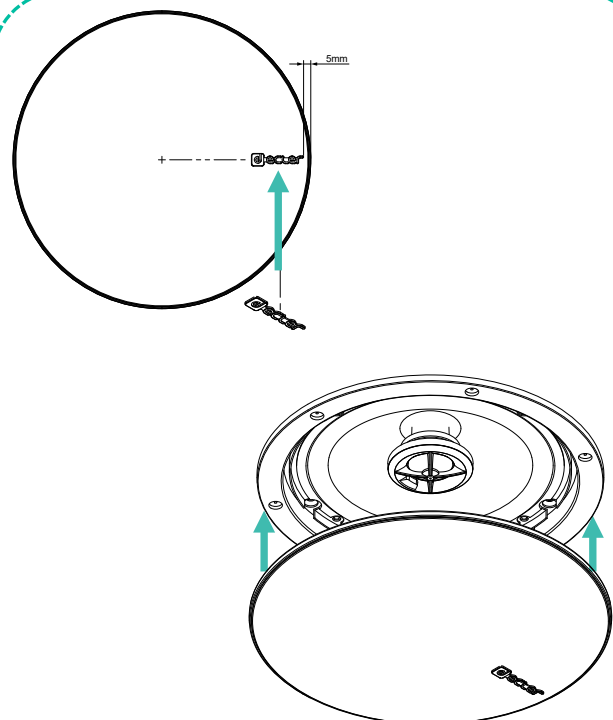


Paint the protective grille



**Make sure that the small holes in the grille are not blocked by paint. Use an appropriate air-dry paint.**

4



Once the paint is dry, reattach the Ecler logo and replace the protective grille on the speaker.



PRECAUTIONS

WARRANTY  
&  
ENVIRONMENT

PACKAGE  
CONTENTS

DESCRIPTION  
&  
FEATURES

CONNECTORS

LOCATION  
&  
ASSEMBLY

PAINTING

TECHNICAL  
DATA

## 8. TECHNICAL DATA

### 8.1 Technical Specifications

#### 8.1.1 IC6i

##### IC6i

SYSTEM		
	Effective Freq. Range <sup>1</sup>	75Hz-20kHz (-10dB)
	Coverage angle <sup>2</sup>	163° conical
	Power handling	40W RMS / 160W Peak
	Sensitivity <sup>3</sup>	90dB (1W/1m)
	Maximum SPL <sup>4</sup>	106dB continuous / 112dB peak
	Power options	100V: 2.5 / 5 / 7.5 / 15W 70V: 1.25 / 2.5 / 3.75 / 7.5W
	Recommended amplifier power	80 W RMS
TRANSDUCERS		
	Ways	2-ways full range
	Low frequency driver	6.5" Woofer
	High frequency driver	1" Tweeter
	Nominal impedance	8Ω
PHYSICAL		
	Connection type	Clip-Type input terminals
	Installation options	In-ceiling / In-wall
	Enclosure material	ABS plastic
	Grille material	Iron
	Grille fixing system	Magnets
	Mounting system	3 rotating tabs
	Operating temperature	Min: -20°C ; -4°F Max: 70°C ; 158°F
	Operating humidity	<85% HR
	Storage temperature	Min: -20°C ; -4°F Max: 70°C ; 158°F
	Storage humidity	<90% HR
	External diameter	213 mm / 8.39 in.
	Internal diameter	205 mm / 8.07 in.
	Recommended cut out diameter	180 mm / 7.09 in.
	Required depth	>73 mm / >2.87 in.
	Included accessories	Cutting template
	Optional Accessories	Ecler IC-TB6
	Finished colour	White (RAL 9003) / Black (RAL 9005)
	Dimensions (WxHxD)	213 x 213 x 72 mm. / 8.39 x 8.39 x 2.83 in.
	Weight	1.6 Kg / 3.53 lb
	Pieces per box	2
	Shipping dimensions (WxHxD)	265x260x255 mm. / 10.43x10.24x10.04 in.
	Shipping weight	4 kg / 8.82 lb

<sup>1</sup> below the sound pressure level at specified sensitivity

<sup>2</sup> 6dB below the sound pressure level than that at the direction of maximum level, Max. angle between 1 kHz and 4 kHz.

<sup>3</sup> Measured on-axis, far field and referenced to 1 meter by inverse square law. Average from 100 Hz to 10 kHz.

<sup>4</sup> Calculated from sensitivity and power handling specifications, exclusive of power compression

## 8.1.2 IC8i

### IC8i









SYSTEM	
Effective Freq. Range <sup>1</sup>	65Hz-20kHz (-10dB)
Coverage angle <sup>2</sup>	152° conical
Power handling	60W RMS / 240W Peak
Sensitivity <sup>3</sup>	92dB (1W/1m)
Maximum SPL <sup>4</sup>	110dB continuous / 116dB peak
Power options	100V: 5 / 7.5 / 15 / 30W 70V: 2.5 / 3.75 / 7.5 / 15W
Recommended amplifier power	120W RMS
TRANSDUCERS	
Ways	2-ways full range
Low frequency driver	8" Woofer
High frequency driver	1" Dome Tweeter
Nominal impedance	8Ω
PHYSICAL	
Connection type	Clip-Type input terminals
Installation options	In-ceiling / In-wall
Enclosure material	ABS plastic
Grille material	Iron
Grille fixing system	Magnets
Mounting system	3 rotating tabs
Operating temperature	Min: -20°C ; -4°F Max: 70°C ; 158°F
Operating humidity	<85% HR
Storage temperature	Min: -20°C ; -4°F Max: 70°C ; 158°F
Storage humidity	<90% HR
External diameter	254 mm / 10 in.
Internal diameter	246 mm / 9.69 in.
Recommended cut out diameter	222 mm / 8.74 in.
Required depth	>94 mm / >3.70 in.
Included accessories	Cutting template
Optional Accessories	Ecler IC-TB8
Finished colour	White (RAL 9003) / Black (RAL 9005)
Dimensions (WxHxD)	254 x 254 x 93 mm. / 10 x 10 x 3.66 in.
Weight	2.35 Kg / 5.18 lb
Pieces per box	2
Shipping dimensions (WxHxD)	305 x 300 x 295 mm. / 12.01 x 11.81 x 11.61 in.
Shipping weight	4.75 kg / 10.47 lb

<sup>1</sup> below the sound pressure level at specified sensitivity

<sup>2</sup> 6dB below the sound pressure level than that at the direction of maximum level, Max. angle between 1 kHz and 4 kHz.

<sup>3</sup> Measured on-axis, far field and referenced to 1 meter by inverse square law. Average from 100 Hz to 10 kHz.

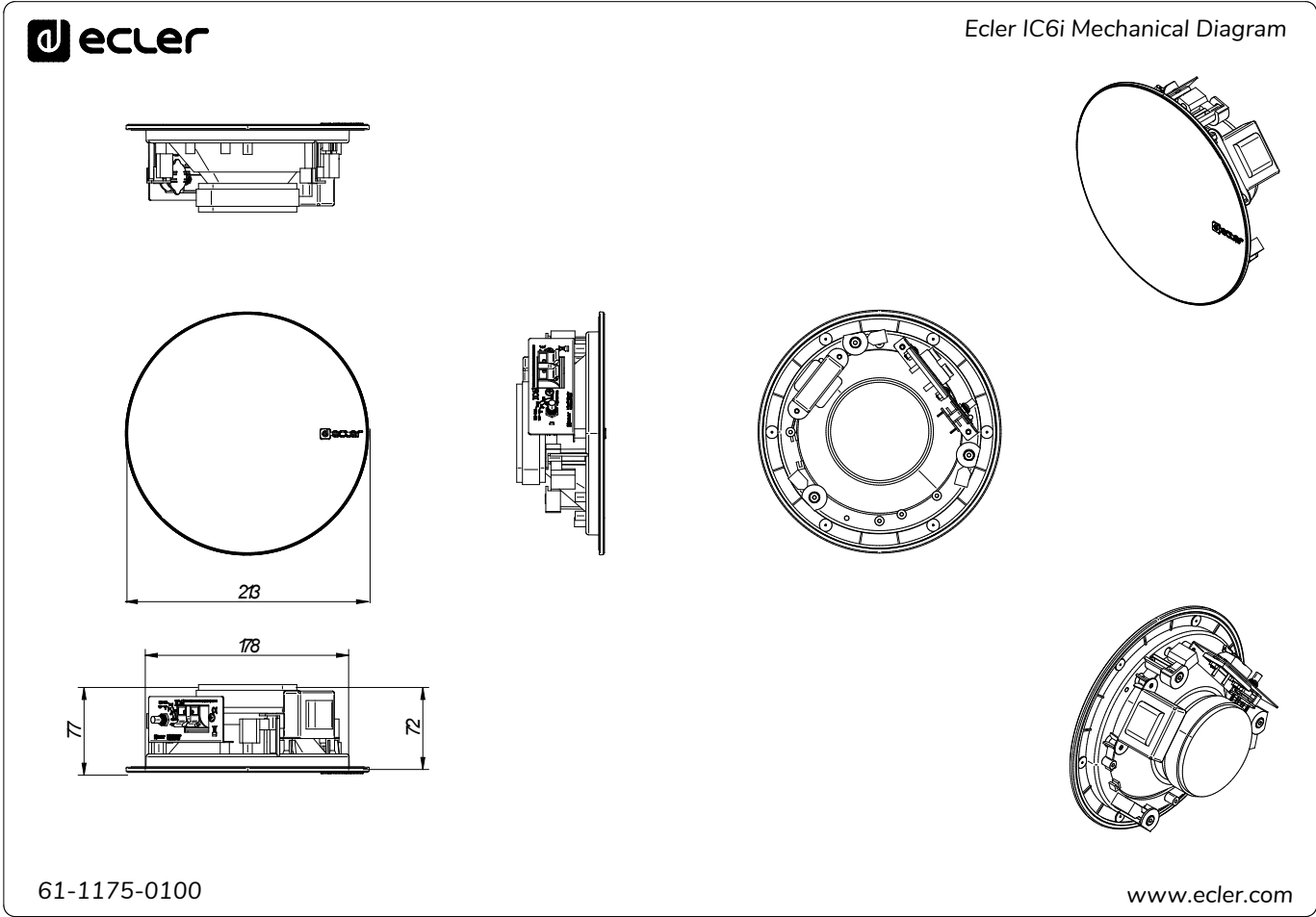
<sup>4</sup> Calculated from sensitivity and power handling specifications, exclusive of power compression

	PRECAUTIONS
	WARRANTY & ENVIRONMENT
	PACKAGE CONTENTS
	DESCRIPTION & FEATURES
	CONNECTIONS
	LOCATION & ASSEMBLY
	PAINTING
	TECHNICAL DATA

8.2 Mechanical Diagram

8.2.1 IC6i

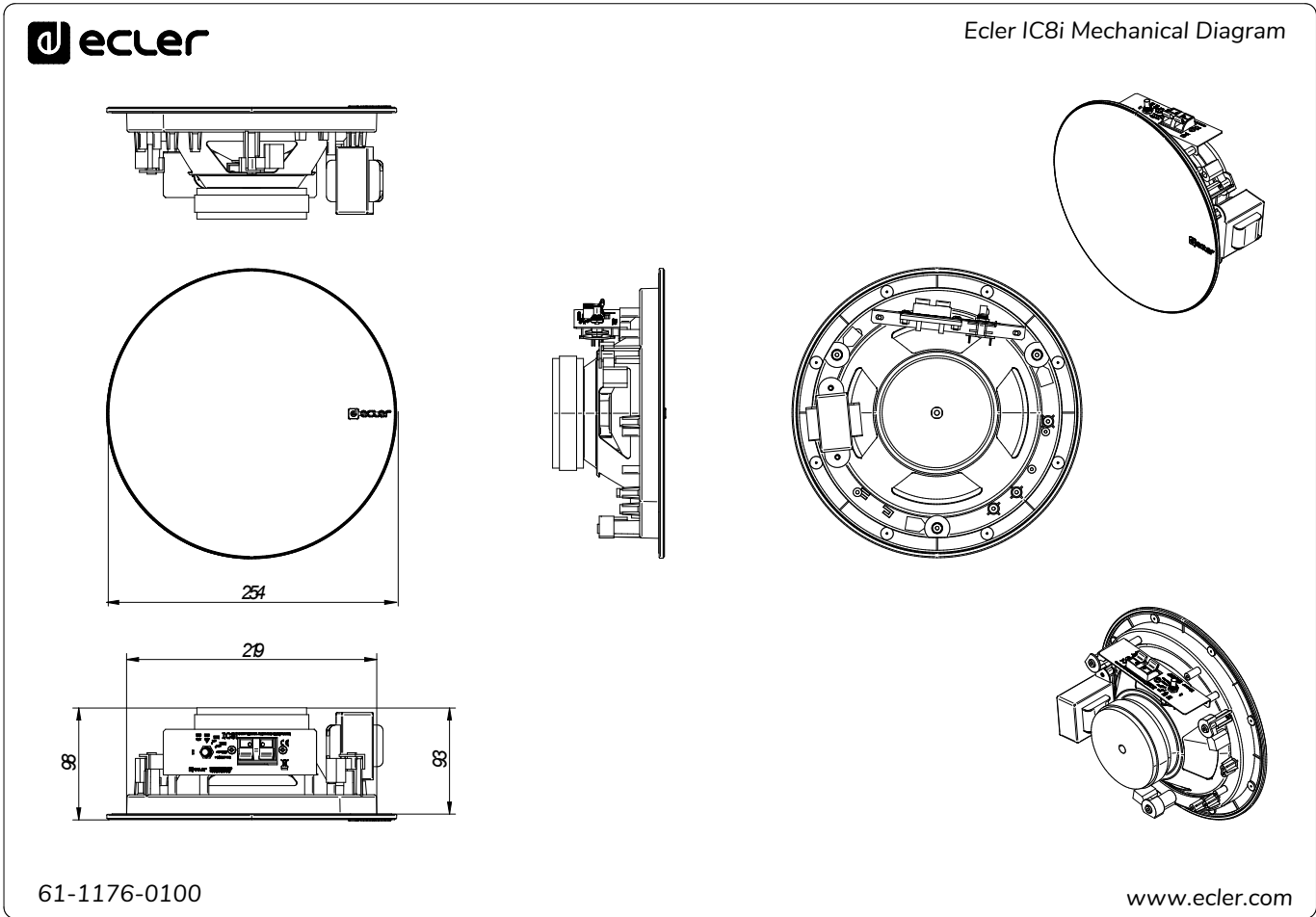
All measurements are in mm.



	PRECAUTIONS
	WARRANTY & ENVIRONMENT
	PACKAGE CONTENTS
	DESCRIPTION & FEATURES
	CONNECTORS
	LOCATION & ASSEMBLY
	PAINTING
	TECHNICAL DATA

8.2.2 IC8i

All measurements are in mm.



All the measurements are in mm

	PRECAUTIONS
	WARRANTY & ENVIRONMENT
	PACKAGE CONTENTS
	DESCRIPTION & FEATURES
	CONNECTORS
	LOCATION & ASSEMBLY
	PAINTING
	TECHNICAL DATA



PRECAUTIONS

WARRANTY  
&  
ENVIRONMENT

PACKAGE  
CONTENTS

DESCRIPTION  
&  
FEATURES

CONNECTORS

LOCATION  
&  
ASSEMBLY

PAINTING

TECHNICAL  
DATA



All product characteristics are subject to variation due to production tolerances. NEEC AUDIO BARCELONA S.L. reserves the right to make changes or improvements in the design or manufacturing that may affect these product specifications.

For technical queries contact your supplier, distributor or complete the contact form on our website, in [Support / Technical requests](#).

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