

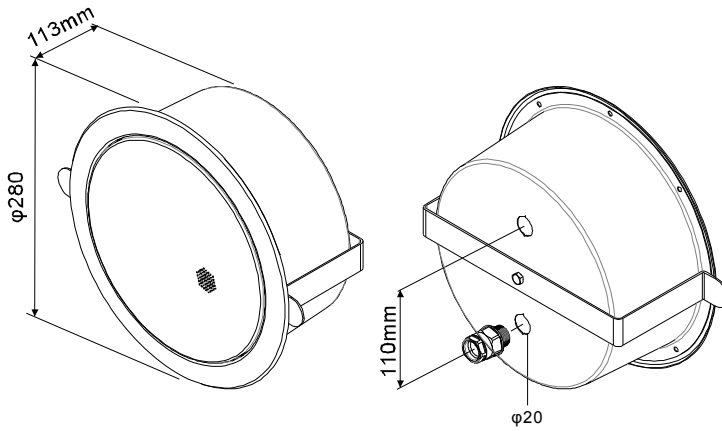


# RCS 8FT/EN SPECIFICATIONS

ATEIS EUROPE B.V. Website: www.ateis-international.com  
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RoHS



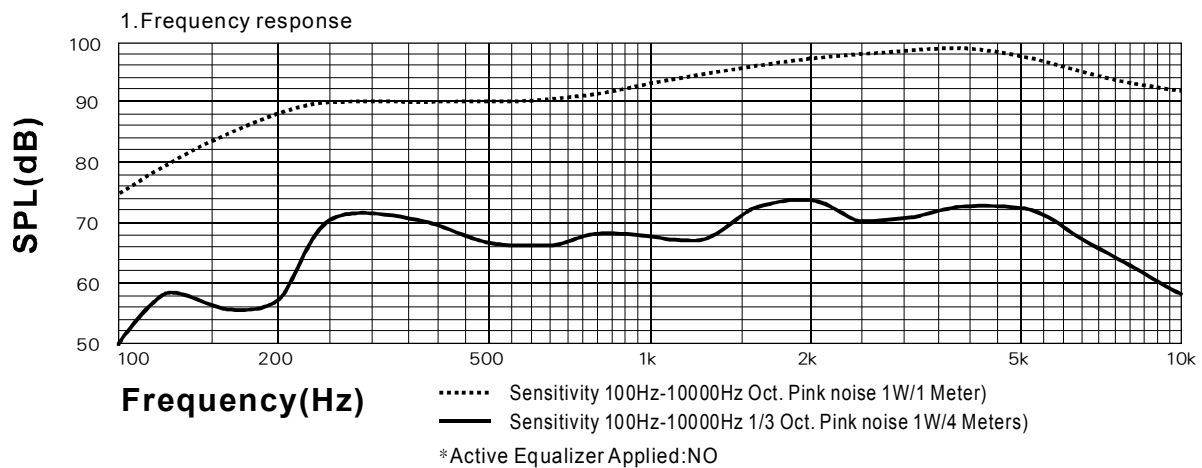
**EN54-24:2008**  
**0359-CPD-0137**  
**TYPE A**

With Transformer:

100V/70V line

	White wire plus tapping				Black
100V	1.25W	2.5W	5W	10W	COM
70V	0.625W	1.25W	2.5W	5W	COM
IMP.(Ω)	8K	4K	2K	1K	

## Technical Specifications



### 2. Horizontal coverage angles = Vertical angles

		Horizontal	Vertical
1 Oct. Pink noise	500 Hz	180°	180°
1 Oct. Pink noise	1K Hz	180°	180°
1 Oct. Pink noise	2K Hz	80°	80°
1 Oct. Pink noise	4K Hz	60°	60°

### 3. Environmental

IP-rating.....21  
 Max/Min amb temp.....55 °C / - 10 °C  
 Relative humidity..... ≤ 95%

### 4. Electrical

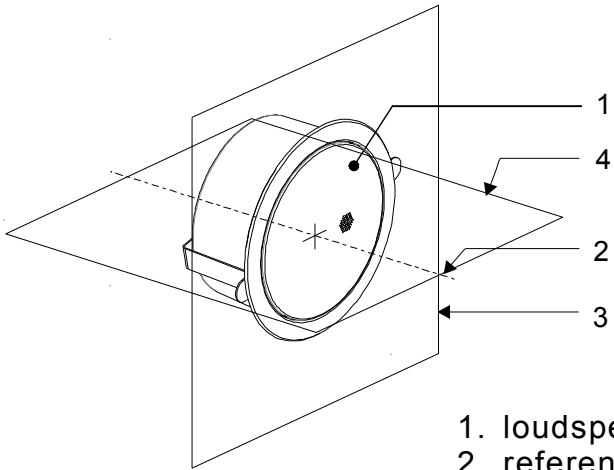
Rated power, Watts 10  
 Tappings 100 volt line, Watts 10/5/2.5/1.25  
 Transformer Impedance , Ohms 100V 1k/2k/4k/8k  
 Tappings 70.7 volt line, Watts 5/2.5/1.25/0.625  
 Driver impedance, Ohms 8  
 Effective Frequency Range, Hz (BSEN60268-5) 150 - 17K  
 S.P.L. @ 4m, 1watt, dB, 1/3 Octave, 1KHz 67  
 S.P.L. @ 1m, 1watt, dB, Octave 1KHz 93  
 S.P.L. @ 4m, Full power, dB, 1/3 Octave 1KHz 77  
 S.P.L. @ 1m, Full power, Octave 1KHz 103

### 5. Mechanical

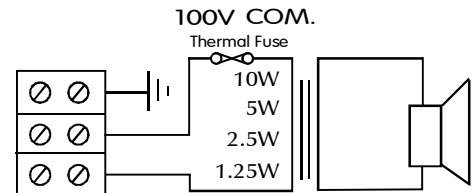
Dimensions φ280mm  
 Net weight, Kgs 2.2  
 Colour (Unless Specified) RAL9016  
 Material Steel  
 Mounting Torsion springs  
 Cut-out, mm φ246

RCS 8FT/EN has been tested in 100 hours max power (10W). The model does not deviate more than ± 3dB from the original test value. The freq. response curve and impedance complies with the original one. All SPL tests are preformed in a anechoic chamber (<70m/3).

**➤ RCS 8FT/EN INSTALLATION GUIDE**

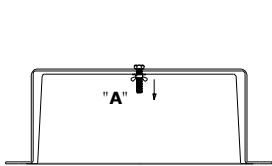


1. loudspeaker enclosure
2. reference axis
3. reference plane
4. horizontal plane

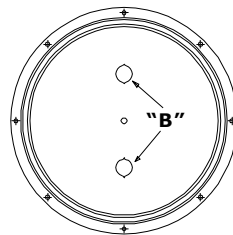
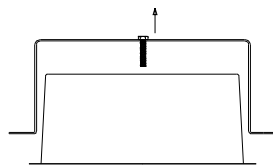


**Circuit Diagram**

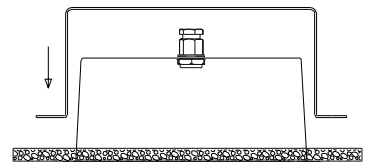
**RCS 8FT/EN**



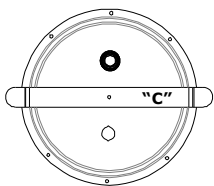
- 1/ Loosen wingnut "A". (You have to remove the wingnut and washer completely.)
- 2/ Lift the screw and bracket, this will disengage.



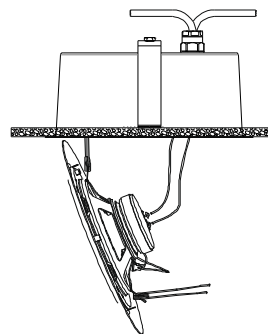
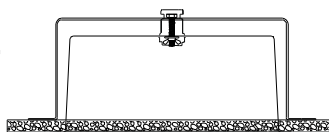
- 3/ Choose one of them @ "B" to punch.
- 4/ Gland assembly in the hole.



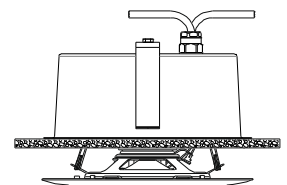
- 5/ Fitting the Dome into a ceiling(246mm).
- 6/ Put the Bracket over the ceiling.



- 7/ Be sure the Bracket between Gland and close hole.
- 8/ Re fit Screw and washer and tighten wingnut @ "C".



- 9/ Fitting the speaker.  
Compress one of "V" spring and fit in to the retaining ear within the dome.  
Connect leads to the speaker transformer.



- 10/ Fit second "V" spring in to second retaining ear and gently push the speaker up into the dome.  
(do not push the central perforate grille area)  
the speaker will self-locate into the dome.