

# ROUND METAL CEILING LOUDSPEAKERS

## ➤ RCS8FT/EN ➤ RCS8FT/ENC

EN54-24



### TECHNICAL SPECIFICATIONS

EN54-24:2008

Certificate No: 0359-CPD-0120 TYPE A

#### 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 (BS EN60268-5)	150 - 17Khz
S.P.L. @ 4m, 1 watt, dB, 1/3 Octave, 1kHz	66
S.P.L. @ 1m, 1 watt, dB, Test Signal Bandwidth 100Hz-10kHz	93
S.P.L. @ 4m, Full power, dB, 1/3 Octave 1kHz	76
S.P.L. @ 1m, Full power, Test Signal Bandwidth 100Hz-10kHz	103
Dispersion at 1k/2k Hz, Degrees	159/81

#### ENVIRONMENTAL

IP Rating	21
Max/Min Ambient Temp	55°/-10°C
Relative Humidity	≤95%

#### MECHANICAL

Dimensions, mm	Height 126, Ø280
Net Weight, Kgs	2.2
Colour (Unless Specified)	White RAL9016
Material	Steel
Mounting	Torsion Springs
Cut-out, mm	Ø246

- RCS8FT/ENC is supplied with capacitor for DC line monitoring
- RCS8FT/EN & C are BS5839 Part 8 Compliant
- Recommended for internal use only

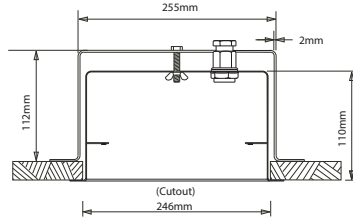
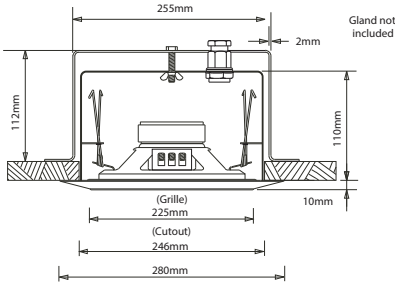
Manufacturer reserves the right to alter specifications without notice

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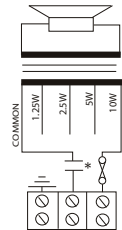
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RCS8FT/EN  
RCS8FT/ENC  
\*with capacitor



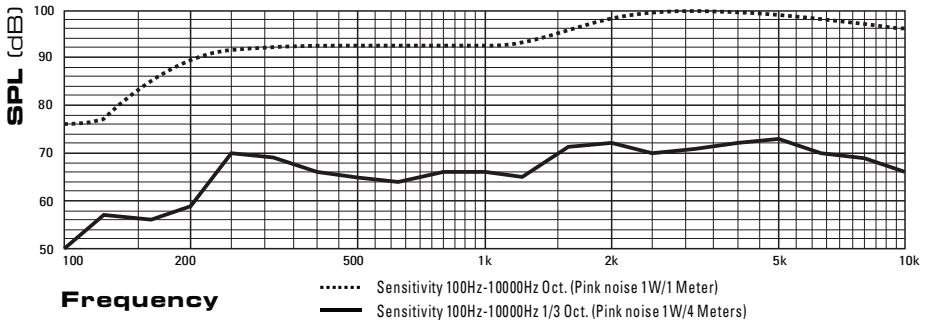
### WITH TRANSFORMER: 100V/70V LINE

	WHITE WIRE PLUS TAPPING				BLACK
100V	1.25W	2.5W	6W	10W	COM
70V	0.625W	1.25W	2.5W	5W	COM
IMP(Ω)	8K	4K	2K	1K	

### DISPERSION ANGLES

		HORIZONTAL	VERTICAL
<b>1 OCT. PINK NOISE</b>	500 Hz	182°	182°
<b>1 OCT. PINK NOISE</b>	1K Hz	159°	159°
<b>1 OCT. PINK NOISE</b>	2K Hz	79°	81°
<b>1 OCT. PINK NOISE</b>	4K Hz	59°	58°

### FREQUENCY RESPONSE



The RCS8FT/EN & RCS8FT/ENC have been tested in 100 hours max power (10W). The models do not deviate by more than  $\pm 3$ dB from the original test value. The frequency response curve and impedance complies with the original one. All SPL tests are performed in an anechoic chamber (<70m<sup>3</sup>)



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