

ROUND METAL CEILING LOUDSPEAKERS

- **RCS8FTCX/EN**
- **RCS8FTCX/ENC**

EN54-24



TECHNICAL SPECIFICATIONS

EN54-24:2008

Certificate No: 0359-CPD-0120 TYPE A

ELECTRICAL

Rated power, Watts	20
Tappings 100 volt line, Watts	20/10/5/2.5
Transformer Impedance, Ohms 100V	0.5k/1k/2k/4k
Tappings 70.7 volt line, Watts	10/5/2.5/1.25
Driver impedance, Ohms	8
Effective Frequency Range, Hz (BS EN60268-5)	100 - 20K
S.P.L. @ 4m, 1watt, dB, 1/3 Octave, 1kHz	66
S.P.L. @ 1m, 1watt, dB, Test Signal Bandwidth 100Hz-10kHz	94
S.P.L. @ 4m, Full power, dB, 1/3 Octave 1kHz	79
S.P.L. @ 1m, Full power, Test Signal Bandwidth 100Hz-10kHz	107
Dispersion at 1k/2k Hz, Degrees	180/80

ENVIRONMENTAL

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

MECHANICAL

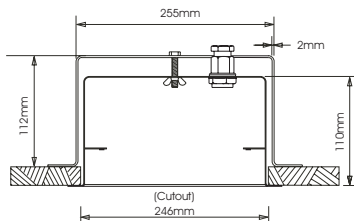
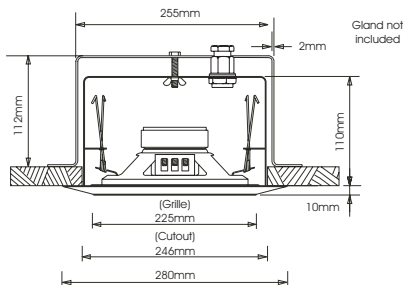
Dimensions, mm	Height 126, Ø280
Net Weight, Kgs	2.93
Colour (Unless Specified)	RAL9016
Material	Steel
Mounting	Torsion Springs
Cut-out, mm	Ø246

- RCS8FTCX/ENC is supplied with capacitor for DC line monitoring

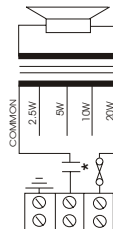
RCS8FTCX/EN

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RCS8FTCX/EN & RCS8FTCX/ENC
* unit fitted with Capacitor



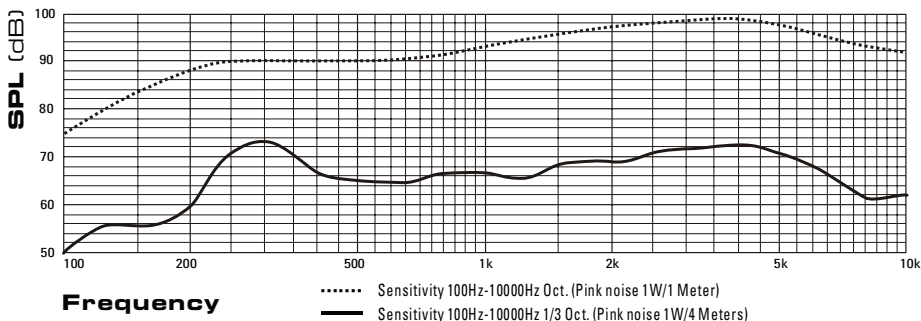
WITH TRANSFORMER: 100V/70V LINE

	WHITE WIRE PLUS TAPPING				BLACK
100V	2.5W	5W	10W	20W	COM
70V	1.25W	2.5W	5W	10W	COM
IMP(Ω)	4K	2K	1K	0.5K	

DISPERSION 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°

FREQUENCY RESPONSE



The RCS8FTCX/EN & ENC have been tested for 100 hours at a maximum power of 20W. Both units did not deviate by more than +3dB. The frequency response and impedance curves remained constant throughout the test period. All results are in full compliance with the requirements of EN54-24.



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