

# ROUND METAL CEILING LOUDSPEAKERS

## ➤ RCS5FTCX/EN ➤ RCS5FTCX/ENC



### 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 (BSEN60268-5)                | 130 - 18.5K      |
| S.P.L. @ 4m, 1watt, dB, 1/3 Octave, 1kHz                   | 63               |
| S.P.L. @ 1m, 1watt, dB, Test Signal Bandwidth 100Hz-10kHz  | 91               |
| S.P.L. @ 4m, Full power, dB, 1/3 Octave 1kHz               | 73               |
| S.P.L. @ 1m, Full power, Test Signal Bandwidth 100Hz-10kHz | 101              |
| Dispersion at 1k/2k Hz, Degrees                            | 180/140          |

#### ENVIRONMENTAL

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

#### MECHANICAL

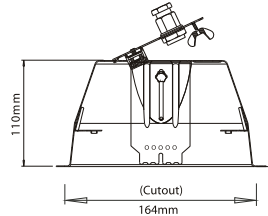
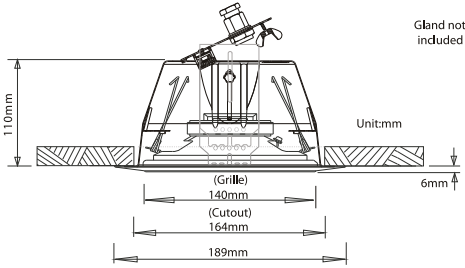
|                           |                  |
|---------------------------|------------------|
| Dimensions, mm            | Height 116, Ø189 |
| Net Weight, Kgs           | 1.5              |
| Colour (Unless Specified) | White RAL9016    |
| Material                  | Steel            |
| Mounting                  | Torsion springs  |
| Cut-out, mm               | Ø164             |

- RCS5FTCX/ENC is supplied with capacitor for DC line monitoring
- RCS5FTCX/EN & C is BS5839 Part 8 Compliant
- Recommended for internal use only unless fitted with CRSC/6 weatherproof cover

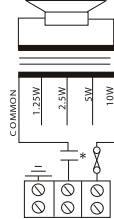
Manufacturer reserves the right to alter specifications without notice

September 2016

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RCS5FTCX/EN & RCS5FTCX/ENC  
\* unit fitted with Capacitor



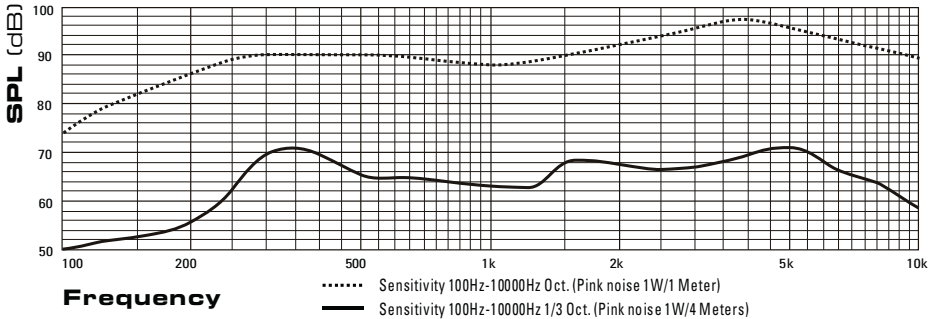
**WITH TRANSFORMER:  
100V/70V LINE**

|         | 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  |       |

**DISPERSION ANGLES**

|                          |        | HORIZONTAL | VERTICAL |
|--------------------------|--------|------------|----------|
| <b>1 OCT. PINK NOISE</b> | 500 Hz | 180°       | 180°     |
| <b>1 OCT. PINK NOISE</b> | 1K Hz  | 180°       | 180°     |
| <b>1 OCT. PINK NOISE</b> | 2K Hz  | 140°       | 140°     |
| <b>1 OCT. PINK NOISE</b> | 4K Hz  | 60°        | 60°      |

**FREQUENCY RESPONSE**



The RCS5FTCX/EN & ENC have been tested for 100 hours at a maximum power of 10W. 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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