ROUND METAL CEILING LOUDSPEAKER MINIATURE

RCS 3/T

The RCS range of ceiling loudspeakers have been carefully designed to blend seamlessly in to any installation. These units are stylish yet unobtrusive.

Made from a pressed steel epoxy coated chassis incorporating a twin cone driver, which offers a wider frequency response than a standard single cone, this gives the RCS range a superior performance. Designed to make installation quick and easy and suitable for use in applications where background music and speech are the primary requirement such as shops, schools, restaurants, hotels, public houses, offices etc.

● Electrical	
Rated power, Watts	6
Tappings 100 volt line, Watts	6/4/2
Transformer Impedance, Ohms 100V	1.67k/2.5k/5k
Tappings 70.7 volt line, Watts	3/2/1
Driver impedance, Ohms	8
Effective Frequency Range, Hz (BSEN60268-5)	100-20.000
S.P.L. @ 1m, 1 watt, dB, Test Signal Bandwidth 100Hz-10 kHz	87
S.P.L. @ Full power Octave Bandwidth, dB	94
Acoustic Power (dB-PWL@1 watt) 1 k/2kHz, dB	83/85
Dispersion at 1k/2kHz, Degrees	180/180
Directivity Axial Q factor, 1 k/2kHz	2.0/2.4
● Environmental	
IP Rating	21
Min/Max amb temp	-25°C to 70°C
Relative Humidity	≤60%
● Mechanical	
Dimensions, diameter, mm	Ø104.5
Net weight, kg	0.49
Colour/Finish	White RAL9016
Material	Steel
Mounting	Twin Spring
Cut-out, mm	Ø85

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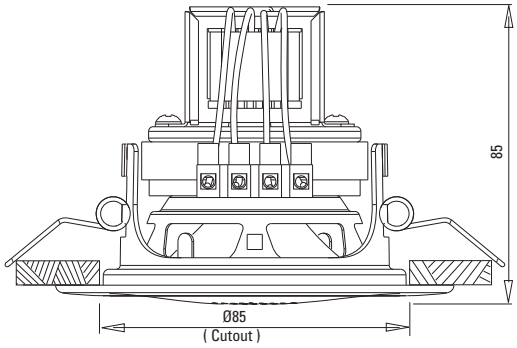
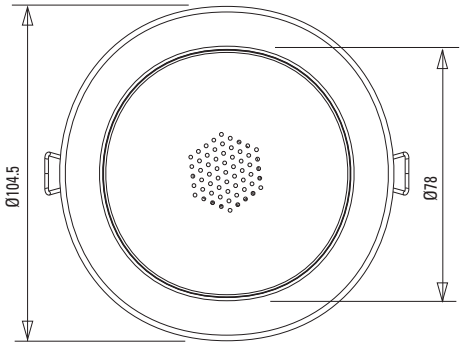
INSTALLATION GUIDE
RCS 3/T

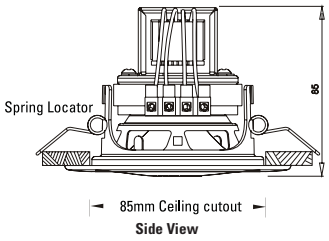
Side view
(unit: mm)



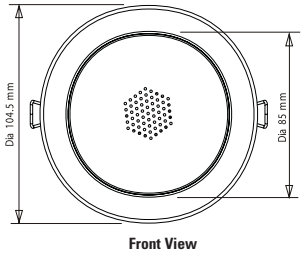
Front view
(unit: mm)

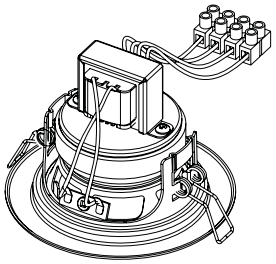


Side view
(unit: mm)



Front view
(unit: mm)



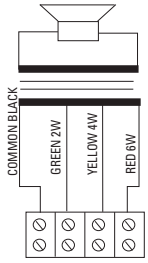


1) Cut an 85 mm diameter hole in the ceiling.

2) Selecting the required power tap (watts) by connecting the field cable into the Terminal block as described in section 4.

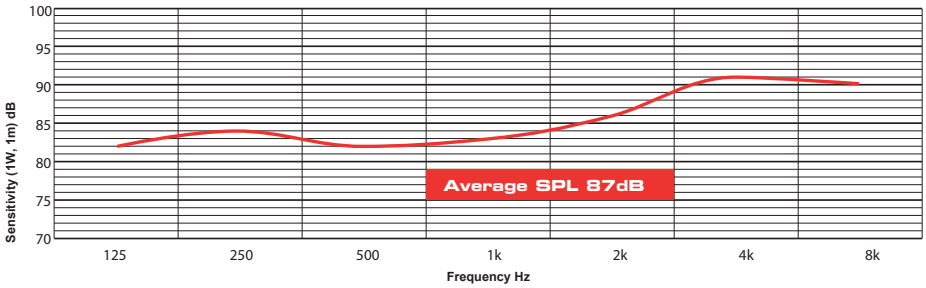
3) Fit the speaker into the ceiling cutout by holding the mounting springs in an upwards position. Guide them through the cutout and release. The speaker will then locate automatically.

4) You will find on the top of the ceiling loudspeaker a 100 volt line transformer complete with flying leads and terminal Block, this is were you connect your 100v line speaker cable. Connect the negative speaker cable to the black wire (common) to one of the other free terminals, selecting your chosen tapping as per the circuit diagram detailed below.



Circuit Diagram

Frequency response



Effective Frequency Range 100Hz - 20KHz

Disclaimer: We reserve the right of changes and errors.

RoHS CE 17 0359

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