

Round Ceiling Loudspeakers

EN54-24 Approved

Data Sheet

Round 5" Ceiling Loudspeaker



Round 6.5" Ceiling Loudspeaker



Introduction

Notifier by Honeywell's EN54 part 24 approved ceiling speakers deliver even sound distribution in any type of building and their flush mounted design makes them ideal for suspended ceilings.

Description

All Notifier loudspeakers have built in protection to ensure that any damage to the loudspeakers does not result in a failure of the loudspeaker circuit, so the integrity of the system is maintained for alert or instruction messages to still be delivered

from loudspeakers on the same circuit in other areas. This ensures full compliance to BS5839 part 8.

The loudspeakers are easily installed using the mounting spring on the unit, and the fire dome then slides into place. The unique flying lead wiring arrangement in our loudspeakers makes their installation very easy. The loudspeakers are equipped with ceramic terminal blocks, a thermal fuse and heat resistant, high temperature wiring to comply with EN54 part 24.

Round 5" Ceiling Loudspeaker

Specification	5" ceiling speaker with capacitors
Part Number	LSC-506'
Rated Power	6W
Power Tap @ 100V	6W/3W/1.5W/0.75W
Power Tap @ 70V	3W/1.5W/0.75W/0.375W
Sound Pressure Level (1W/1m 100Hz-10kHz pink noise as per EN54-24)	91 dB
Sound Pressure Level (1W/4m, 100Hz-10kHz pink noise as per EN54-24)	79 dB
Sound Pressure Level (6W/4m, 100Hz-10kHz pink noise as per EN54-24)	88 dB
Frequency response	180Hz-20 k Hz
Rated Input Voltage	100V/70V
Rated Impedance	1.7K Ω /3.3K Ω /6.7K Ω /13K Ω
Driver Impedance	8 Ω
Connection	Ceramic Terminal
Speaker Diameter	127mm (5")
Hole cut out size	155mm
Weight	1.29kg
Dimensions	181mm (w)/129mm(h)
Front Grill Colour	White (RAL9003)
Fire Dome Colour	Red (RAL3000)
IP Rating	IP21
Thermal Fuse	150°
DC Blocking Capacitor	No

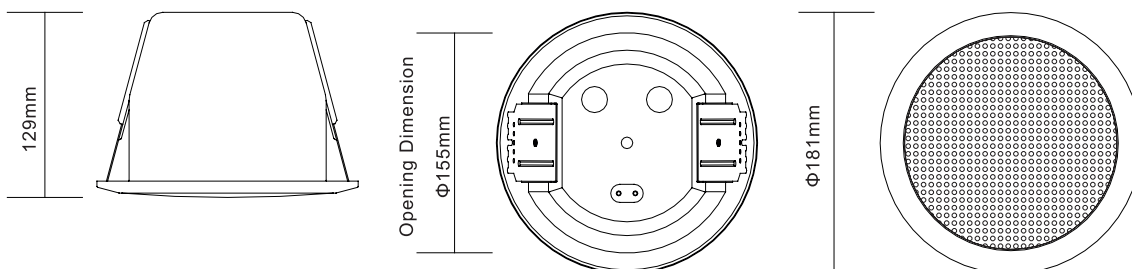
Environmental

Specification	5" ceiling speaker with capacitors
Operating Temperature	-25°C to +55°C
Storage Temperature	-40°C to +70°C
Relative Humidity	<95%

Dispersion Angles

		Horizontal	Vertical
1 oct. pink noise	500Hz	187°	174°
1 oct. pink noise	1k Hz	173°	174°
1 oct. pink noise	2k Hz	151°	152°
1 oct. pink noise	4k Hz	59°	58°

Dimensions



Round 6.5" Ceiling Loudspeaker

Specification	6.5" ceiling speaker with capacitors
Part Number	LSC-606/DC
Rated Power	6W
Power Tap @ 100V	6W/3W/1.5W/0.75W
Power Tap @ 70V	3W/1.5W/0.75W/0.375W
Sound Pressure Level (1W/1m, 100Hz-10kHz pink noise as per EN54-24)	91 dB
Sound Pressure Level (1W/4m, 100Hz-10kHz pink noise as per EN54-24)	79 dB
Sound Pressure Level (6W/4m, 100Hz-10kHz pink noise as per EN54-24)	87 dB
Frequency response	170Hz-20 k Hz
Rated Input Voltage	100V/70V
Rated Impedance	1.7K Ω /3.3K Ω /6.7K Ω /13K Ω
Connection	Ceramic Terminal
Driver Impedance	8 Ω
Speaker Diameter	165mm(6.5")
Hole cut out size	200mm
Weight	1.29kg
Dimensions	222mm (w)/129mm(h)
Front Grill Colour	White (RAL9003)
Fire Dome Colour	Red (RAL3000)
IP Rating	IP21
Thermal Fuse	150°
DC Blocking Capacitor	Yes (2.2uF)

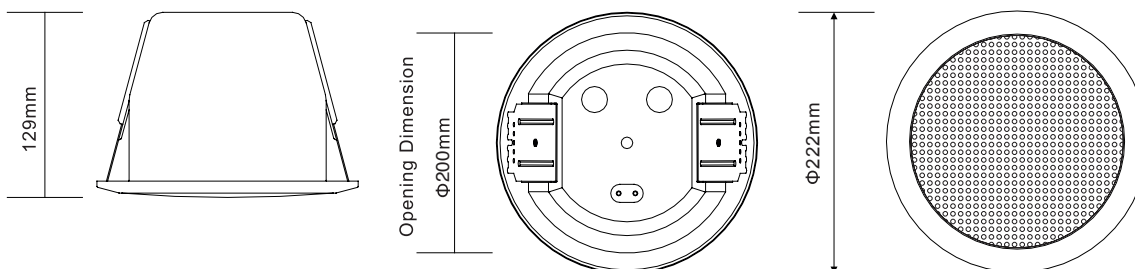
Environmental

Specification	6.5" ceiling speaker with capacitors
Operating Temperature	-25°C to +55°C
Storage Temperature	-40°C to +70°C
Relative Humidity	<95%










Dispersion Angles

		Horizontal	Vertical
1 oct. pink noise	500Hz	180°	184°
1 oct. pink noise	1k Hz	170°	171°
1 oct. pink noise	2k Hz	95°	98°
1 oct. pink noise	4k Hz	61°	59°

Dimensions



Loud Speaker Range – All EN54-24 Approved

Loud speaker type	5" Round Ceiling Loud Speaker	6.5" Round Ceiling Loud Speaker	Wall Mounted Cabinet Loudspeaker (rectangle)	Wall mounted Cabinet Loudspeaker (round)	10W Horn Loudspeaker	15W Horn Loud Speaker	30W Horn Loud Speaker	10W Sound Projector	20W Sound Projector
Part Number	LSC-506	LSC-606/DC	582421	582423	582430	582431	582432	582440	582441
Speaker Image									
Power (W)	6W	6W	6W	10W	10W	15W	30W	10W	20W
Power Tap @ 100V	6/3/1.5/0.75W	6/3/1.5/0.75W	6/3/1.5 W	10/6/3/1.5 W	10/5/2.5/1.25 (20) W	15/7.5/3.75/ 1.87 (20) W	30/20/10/5 (20) W	10/6/3/1.5 W	20/15/10/5 W
Frequency Range	180Hz-20kHz	170Hz-20kHz	200-17.400 Hz	291-18.126 Hz	400-10.000 Hz	300-12.500 Hz	300-6.000 Hz	200-16.000 Hz	180-16.000 Hz
SPL 1W/1m	91 dB	91dB	95.6 dB	98.8 dB	102.4 dB	107.3 dB	110.1 dB	94.1 dB	98.1 dB
Dimensions	181x129 mm	222x129 mm	257x192x80 mm	170x75 mm	142x210 mm	208.5x271.5 mm	238x302 mm	167x163 mm	167x163 mm
Operating Temperature Range	-25°C to +55°C	-25°C to +55°C	-20°C to +150°C	-20°C to +150°C	-20°C to +150°C	-20°C to +150°C	-20°C to +150°C	-20°C to +150°C	-20°C to +150°C
Dispersion angle 1kHz	173 (H) / 174 (V)	170 (H) / 171 (V)	180° (H) / 180° (V)	180° (H) / 180° (V)	140° (H) / 140° (V)	140° (H) / 140° (V)	130° (H) / 130° (V)	360°	360°
Weight	1.29kg	1.29kg	2.45 kg	1.3 kg	1.42 kg	1.92 kg	2.62 kg	3.10 kg	3.15 kg
IP Rating	IP21	IP21	IP54	IP54	IP66	IP66	IP66	IP65	IP65
Installation Instructions	Flush with metal dome	Flush with metal dome	Surface mount to wall	Surface mount to wall	Wall-mounting bracket	Wall-mounting bracket	Wall-mounting bracket	Wall-mounting bracket	Wall-mounting bracket
Connector	Ceramic Terminal	Ceramic Terminal	Connecting Terminals	Connecting Terminals	Connecting Cable	Connecting Cable	Connecting Cable	Connecting Cable	Connecting Cable
Colour	RAL 9003 (Dome: AL3000)	RAL 9003 (Dome: AL3000)	RAL 9010	RAL 9010	RAL 7035	RAL 7035	RAL 7035	RAL 9010	RAL 9010

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