

Quality Features

- Factory assemblies are easy to order & easy to install.
- Assemblies include a dual cone 8" speaker with a wired 25/70V transformer, grille, and optional volume control.
- Attractive grille is available with optional volume control in knob-adjust or screw-adjust style for on-site level adjustment.
- Ships wired and ready for efficient installation.
- Companion backboxes and mounting accessories are itemized below with details on page 2 for easy selection.

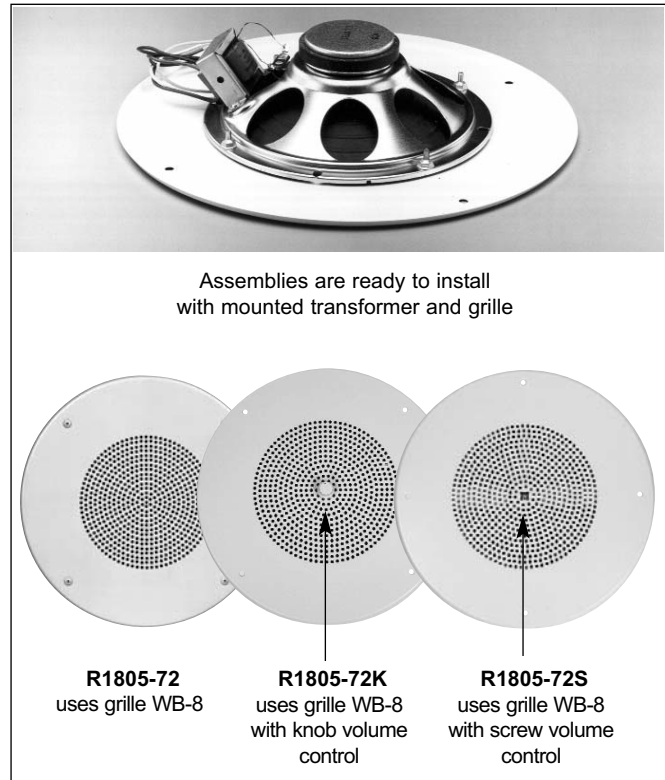
Description

Lowell's R Series 12W speaker assemblies are an excellent choice for quality general purpose paging and distributed music applications where economy and installed costs are prime considerations. The R Series 12W assemblies are comprised of a factory assembled 8" dual cone driver (Model 805) with a wired dual voltage transformer, grille, and optional volume control with knob style or screwdriver adjustment in the center of the grille.

Speaker / transformer assemblies are manufactured to assure consistent performance with clear intelligibility and wide dispersion. The dual cone Model 805 driver has a power rating of 12 watts RMS and employs a 5 oz. ceramic magnet. The cone is molded of a high fiber content material to provide a smooth, extended frequency response and a clean, natural sound. To facilitate a variety of distributed applications each assembly includes a wired dual voltage 25/70V transformer with taps at 0.25, 0.5, 1, 2 and 5W.

Architectural grille is precision-formed steel with an attractive and durable white powder epoxy finish for clean long-lasting appearance. Grille includes matching white mounting screws.

Volume control option for on-the-spot speaker level control is available factory mounted in the center of the grille. Choose knob-adjust style (Models with K suffix) or screwdriver-adjust style (Models with S suffix).



R1805 Series 12 Watt speaker assemblies

Companion backboxes and accessories for Lowell R Series speakers are itemized on pages 1 and 2 to facilitate installation in a variety of applications. Selection includes recessed protective and acoustic backboxes with companion tile bridge or channel rail options (if required for suspended installation). Companion accessories are ordered separately.

Assembly Models

Model	Volume Control	Driver Model	transformer Model	Transformer Taps	Grille Model	Backbox* <small>(Order separately, Choose one, plus T-bridge or rails if required - see p.2)</small>	+	T-Bridge or Rails <small>(Order separately if required for suspended ceilings - see p.2)</small>
R1805-72	No	805	TLM572 (70/25V)	0.25, 0.5, 1, 2, 5W	WB-8	CP8 Series, DX58, DX108	...	LBS8-CP or SS24 Rails
R1805-72K	Knob	805	TLM572 (70/25V)	0.25, 0.5, 1, 2, 5W	WB-8	XCP8 Series, 8XD4, 8SPSBX	...	LBS8 or LBS8-R1
R1805-72S	Screw	805	TLM572 (70/25V)	0.25, 0.5, 1, 2, 5W	WB-8	RF Series (blind mount)	None required
						No Backbox Desired	LBS8 or LBS8-R1

* For applications that do not require backbox protection, a mounting ring may be an alternate accessory. Assemblies will accept mounting ring Model PR8-1624 (with ears) or RMP8. Refer to the Lowell catalog for mounting ring specifications.

Driver Specifications

Driver Model	Size	Power Rating	Type	Ceramic Magnet	Frequency Response	Dispersion	Voice Coil Impedance	Sensitivity 1W / 1M	Depth (w/o xfmr)	Weight (w/o xfmr)
805	8"	12W	Dual cone	5 oz.	47Hz - 20kHz ±6dB	120° @ 2000Hz -6dB	8 Ohms	93dB Avg. 98dB Peak	2.688"	1.3 lbs.



R Series (12W)

8" Dual Cone Speaker Assemblies with Xfmr, Grille and Opt'l V.C.

A & E Specifications

The 8 inch speaker assembly shall be Lowell R Series 12W Model _____. It shall include an 8" dual cone driver with wired transformer, mounted grille, and optional volume control.

The speaker shall have a 12 watt RMS power rating. It shall employ a 5 oz. ceramic magnet and a molded high fiber cone. Frequency response shall be 47Hz - 20kHz \pm 6dB with a sensitivity of 93dB Avg. (98dB Peak) measured 1W/1M.

The transformer shall be a factory wired 25/70V unit and shall have primary taps available at 0.25, 0.5, 1, 2, 5 watts. The grille shall be factory mounted to the speaker and shall be manufactured of steel finished in white powder epoxy. Models with volume control have a _____ (knob or screw) in the center of the grille for volume adjustment.

Optional mounting accessories include Lowell backbox Model _____ or mounting ring Model _____. For suspended ceiling installations, Lowell tile bridge Model _____ or channel rail (pr.) Model _____ shall be used to transfer the speaker assembly weight to the ceiling's support structure.

Companion Accessories for R Series (order separately)



Lowell offers a wide selection of backboxes for efficient installation of R Series speaker assemblies into a variety of ceiling types. Please refer to the chart on page 1 to identify the backbox and/or tile bridge combination choices for each speaker assembly. T-bridges and channel rails are also offered to distribute the speaker assembly weight in suspended ceiling installations.

Accessory Backbox* Details for R Series Assemblies

Model	Size	Features	Options (suffix model)
CP84	11.938"Dia. x 4.063"D	Extended lip for sheetrock	---
CP87	11.938"Dia. x 6.687"D	Extended lip for sheetrock + batting	---
CP810	11.938"Dia. x 10.063"D	Extended lip for sheetrock + batting	---
DX58	11.938"Dia. x 11.938"D	0.5 cu.ft., extended lip + batting	---
DX108	15"Dia x 10.125"D	1 cu.ft., extended lip + batting	---
RF841	10.063"Dia. x 4.063"D	Retrofit w tension brkt. + torsion	---
RF871	10.063"Dia. x 6.688"D	Retrofit w tension brkt. + torsion	---
XCP84	10.063"Dia. x 4.063"D	Flat flange for tile ceiling	-S (straps)
XCP87	10.063"Dia. x 6.687"D	Flat flange for tile ceiling + batting	---
XCP810	10.063"Dia. x 10.063"D	Flat flange for tile ceiling + batting	---
8PSBX	10"Dia. x 4"D	Plastic, stacks for warehousing	---
8XD4	10"Dia. x 4"D	Steel, stacks for warehousing	-P (plenum), -S (straps)

Accessory T-Bridge and Channel Rail Details for C Series Assemblies

LBS8-CP	23.75"L Round opening for CP Series and DX108 backboxes only
LBS8	23.75"L Square opening with screw or Twist n' Lock grille mounting
LBS8-R1	23.75"L Round opening with screw or Twist n' Lock grille mounting
SS-24	23.75"L Channel rails (pair)

* For applications that do not require backbox protection, a mounting ring may be an alternate accessory. Assemblies will accept mounting ring Model PR8-1624 (with ears) or RMP8. Refer to the Lowell catalog for mounting ring specifications.

A
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D
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O

12"/10"
Speakers &
Accessories



8"
Speakers &
Accessories

6"
Speakers &
Accessories

4"
Speakers &
Accessories

Horn
Speakers &
Accessories

Masking
Speakers &
Generators

Control
Accessories
& Electronics

Systems