

Quality Features

- Lowell's popular ULD Series is engineered to meet UL Standard 1480 (Speakers for Fire Protective Signaling Systems) 5th edition.
- Assemblies include speaker with two wired transformers, capacitor and mounted grille shipped ready for installation to Lowell companion backboxes required for UL Listing (order separately).
- ULD Series have a power rating of 15-watts and reproduce emergency alarm and voice instructions with high efficiency and clear intelligibility.
- Factory-wired transformers and DC blocking capacitor meet application requirements for 25V and 70V life safety and emergency signaling systems.
- Attractive selection of ceiling grilles meets functional and architectural considerations for unobtrusive mounting of life safety speakers.

Description

Lowell's Speaker Series ULD is engineered to meet the UL Standard 1480 5th edition. These 8" speaker assemblies provide clear and concise signal reproduction for indoor alarm evacuation and/or voice communication in fire alarm/emergency warning systems and for indoor general voice communication in non-fire alarm signaling applications. They are also designed to meet the applicable requirements of NFPA72A.

Each assembly includes an 8" dual voice coil speaker with a dual cone that features two wired dual voltage 70/25V transformers with multi-tap power output lugs, parallel input leads, DC blocking capacitor on one input, and selection of round or square grille.

The ULD Series 15-watt speaker delivers excellent sensitivity per the Underwriters Laboratories' measurement standard of 2 watts at 10 feet. This recognized standard assures building owners and occupants that emergency communications will be heard and understood. Recommended applications include high-rise hotels, apartment complexes, schools, and public/retail establishments of all kinds.

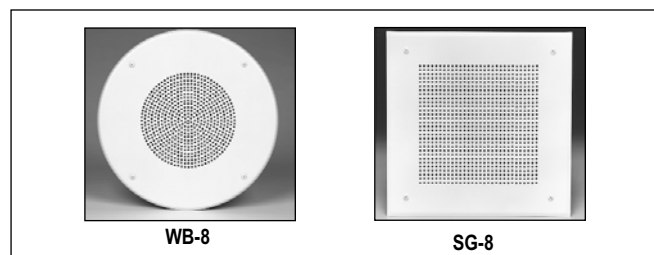
The Lowell Series ULD fire protective signaling speaker assemblies must be used with compatible control equipment and must be matched with companion Lowell backboxes (see page 2).



ULD-SG8-2T572

ULD-WB8-2T572

ULD Series Dual Voice Coil Assemblies
15W speaker / two transformers / capacitor / grille



WB-8

SG-8

Grille Selection

Driver Specifications

Model Series	Size	Type	Ceramic Magnet	Cone Type	V.C. Impedance	V.C. Dia.	Power Rating	Sensitivity 1W / 1M*	Depth
ULD	8"	Dual V.C.	10 oz.	Dual cone	8 Ohms ea. V.C.	1"	15W RMS	93* dB avg.	2.75"

*UL dBA Rating at 10 ft: 70.7V input 1W: 82.4 dBA, 25V input 1W: 82.3 dBA

Transformer Specifications

Xfmr Voltage	Xfmr Power Rating	Xfmr Primary Taps	Secondary Impedance	Core Size	Insertion Loss	Lead Length	DC Blocking Capacitor
70V / 25V	5 Watts	1/4, 1/2, 1, 2, 5W	8 Ohms	1/2" x 1/2"	< 0.5	8"	10 mfd @ 160V

Speaker Assembly Information

Assembly Model	Xfmr (2 per assembly)	Grille	Grille Description	Required Backbox (order 1 per separately)	Tested Response w grille and backbox**	Dispersion w Grille 2kHz - 6dB
ULD-WB8-2T572	70V / 25V	WB-8	Steel 12.875" Dia.	ULCP84, ULXCP84-S	60Hz - 10kHz ± 10dB	100°
ULD-SG8-2T572	70V / 25V	SG-8	Steel 11.375" Sq.	ULP68X, ULCP84-SG	60Hz - 10kHz ± 10dB	100°

**Actual response exceeds that tested.

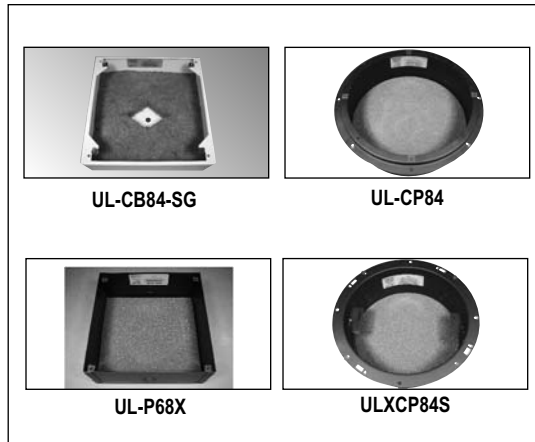


A & E Specifications

The fire-protective speaker assembly shall be Lowell Series ULD. The speaker shall be an 8" dual voice coil with a dual cone. It shall have two factory mounted dual voltage 70/25V transformers with multi-tap (1/4, 1/2, 1, 2, 5W) power output lugs and parallel input leads. The speaker shall have a 15-watt power rating and a sound pressure level of ____ when

measured at 2 watts @ 10 feet. Assembly shall include a DC blocking capacitor and factory mounted Lowell Model _____ grille. The Lowell speaker assembly shall mount to a Lowell Model _____ backbox which is required to maintain UL Listing.

Companion Backboxes (order separately)



Backbox Selection
(Required - Order Separately)

Backbox Information (required to maintain UL Listing- order separately)

Backbox Model	Type	Size
UL-CB84-SG	surface	11.5Sq x 4D
UL-CP84	recessed, extended lip	11.938Dia x 4.063D
UL-P68X	recessed	10Sq x 4D
UL-XCP84-S	recessed w straps, flat flange	10.063Dia x 4.063D straps

12"/10"
Speakers & Accessories


8"
Speakers & Accessories

6"
Speakers & Accessories

4"
Speakers & Accessories

Horn
Speakers & Accessories

Masking
Speakers & Generators

Control
Accessories & Electronics

Systems