

#### Quality Features

- Lowell's popular ULT Series is engineered to meet UL Standard 1480 (Speakers for Fire Protective Signaling Systems) 5th edition.
- Fifteen-watt speakers with a 5-watt multi-tapped transformer reproduce emergency alarm and voice instructions with high efficiency and clear intelligibility.
- Attractive ceiling speaker assemblies with 4" (EIA 5") cone driver provide wide dispersion and unobtrusive appearance of life safety and emergency signaling speakers.
- Choose round or square grille to satisfy architectural and application requirements.
- Factory assemblies include speaker, transformer, DC blocking capacitor and grille shipped ready for installation to required Lowell backboxes (order separately).

#### Description

Lowell's Speaker Series ULT is engineered to meet Underwriters Laboratories Standard 1480 5th edition. Similar to the previous ULT Series, the updated systems are designed to provide clear and concise signal reproduction for use in indoor fire alarm/emergency warning systems and indoor general voice communication in non-fire alarm signaling applications. They are also designed to meet the applicable requirements of NFPA72A.

Assemblies include a 4" (EIA 5") high compliance cone driver with a factory mounted 70/25V dual voltage transformer with multi-tap power output lugs, parallel input leads, DC blocking capacitor, and choice of round or square grille.

The 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.

To satisfy a variety of architectural ceiling and wall environments, the Lowell Series ULT includes a choice of round or square grille.

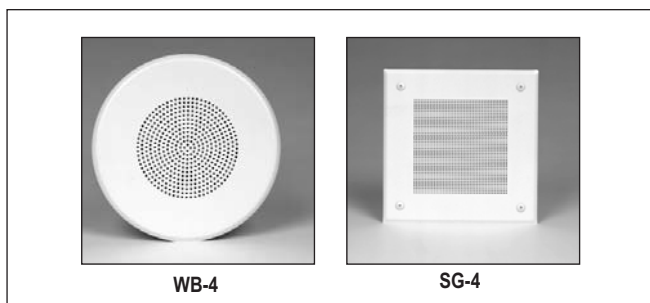
*The Lowell Series ULT fire protective signaling speakers must be used with compatible control equipment and must be matched with companion Lowell backboxes which are required to maintain UL Listing (order separately).*



ULT-WB4-CT572

ULT-SG4-CT572

**ULT Series High Compliance Cone Drivers**  
15W / xfmr / capacitor / grille



WB-4

SG-4

**Grille Selection**

#### ULT SERIES DRIVER SPECIFICATIONS

Model	Size	Type	Ceramic Magnet	Molded Cone	V.C. Impedance	V.C. Dia.	Power Rating	Sensitivity 1W / 1M *	Depth
Series ULT	4"	High compliance	10 oz.	Paper	8 Ohms	1"	15 Watts RMS	91* dB avg	3.75" with included transformer

\* UL test results for each transformer power tap @ 10ft. not available at presstime (June 2006); contact factory.

#### Transformer Specifications

Xfmr Voltage	Xfmr Power Rating	Xfmr Primary Taps	Secondary Impedance	Core Size	Insertion Loss	Lead Length	DC Blocking Capacitor
70/25	5 Watts	1/4, 1/2, 1, 2, 5W	8 Ohms	1/2" x 1/2"	1.0	6"	10 mfd @ 160V

#### ULT SERIES SPEAKER ASSEMBLY & MOUNTING INFORMATION

Assembly Model	Xfmr Voltage	Xfmr Taps	DC Blocking Capacitor	Grille Model	Grille Description	Mounts Backbox (order separately)	Tested Response w Grille & Backbox**	Dispersion w Grille 2kHz - 6dB
ULT-WB4-CT572	70/25	1/4, 1/2, 1, 2, 5	10 mfd @ 160V	WB-4	Steel perf 7.25"Dia	UL-CP4 or UL-DX104	60Hz-12kHz ± 9dB	110°
ULT-SG4-CT572	70/25	1/4, 1/2, 1, 2, 5	10 mfd @ 160V	SG-4	Steel perf 7"Sq	UL-CB44 or UL-P625X	60Hz-12kHz ± 9dB	120°

\*\*Actual response exceeds that tested.



## ULT Series

### 4" Speaker Assemblies for Fire Protective Signaling

AUDIO

**Round Backbox Model UL-CP4**

**Square Backbox Styles  
Model UL-CB44 or UL-P625X**

UL-CP4

UL-CB44

UL-P625X

BACKBOX SPECIFICATIONS (Required to maintain UL Listing - Order Separately)						
Backbox Model	Style	Dimensions			Mounts	
		A	B	C	D	Grille
UL-CP4	Recessed	4-1/8"	6-1/4"	10"	1/2"	WB-4
UL-CB44	Surface	4-1/4"	7-1/8"	7-1/8"	-	SG-4
UL-P625X	Recessed	4"	6-1/4"	6-1/4"	-	SG-4

### A&E Specifications

The fire-protective speaker assembly shall be Lowell Series ULT. The speaker shall be 4" (EIA 5") with a high compliance cone. It shall have a factory mounted dual voltage 70/25V transformer 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.

**12"/10"**  
Speakers & Accessories

**8"**  
Speakers & Accessories

**6"**  
Speakers & Accessories

**4"**  
Speakers & Accessories

**Horn**  
Speakers & Accessories

**Masking**  
Speakers & Generators

**Control**  
Accessories & Electronics

### Backbox Selection (Required - Order Separately)

Systems