



## Architects and Engineering Specifications

Series S, 8" UL listed ceiling speakers and speaker strobes specifications:

The series S8 eight-inch supervised UL Standard 1480 Listed Ceiling speaker shall be mounted to round metal 12" grille, with a white powder coated finish, designed for indoor use. The speaker shall have a dual voltage transformer (25/70V) with jumper selectable 1/8, 1/4, 1/2, 1, 2, 4, 8 wattage taps. The frequency response shall be 200Hz 15kHz, per UL Standard 1480 shall be 400Hz 4kHz. The sensitivity shall be 93 dBA @ 10 feet with 8 watts of source power, 90 dBA @ 10 feet with 4 watts of source power, 87 dBA @ 10 feet with 2 watts of source power, 84 dBA @ 10 feet with 1 watt of source power, 81 dBA @ 10 feet with 1/2 watt of source power, 78 dBA @ 10 feet with 1/4 watt of source power, 75 dBA @ 10 feet with 1/8 watt of source power. The magnet weight shall be 9.5 ounces. The speaker impedance shall be 8 ohms.

The Speaker Strobe versions shall be Wheelock Series RSS Strobe Appliances or approved equals. The Series RSS shall meet and be listed for UL Standard 1971 (Emergency Devices for the Hearing-Impaired) for Indoor Fire Protection Service. The strobe shall be listed for indoor use and shall meet the requirements of FCC Part 15 Class B. The strobe appliances shall produce a flash rate of one (1) flash per second over the Regulated Voltage Range and shall incorporate a Xenon flashtube enclosed in a rugged Lexan® lens. All inputs shall be compatible with standard reverse polarity supervision of circuit wiring by a Fire Alarm Control Panel (FACP).

The Series RSS Strobe shall be of low current design. The strobe intensity shall have field selectable settings and shall be rated per UL Standard 1971 at 15/30/75/95cd or 115/177cd.

When synchronization is required, the appliance shall be compatible with Wheelock's SM, DSM Sync Modules or Wheelock's PS-12/24-8CP and PS-12/24-8MP Power Supply with built-in Patented Wheelock Sync Protocol. The strobes shall not drift out of synchronization at any time during operation. If the sync module or Power Supply fails to operate, (i.e., contacts remain closed), the strobe shall revert to a non-synchronized flash rate. The strobes shall be designed for indoor surface of flush mounting.