Speech Guard Light Hood

Spirit Acoustics Inc.

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<http://speechguard.net>

**SECTION 09 51 13**

**Ceiling Accessory**

**Speech Guard Light Hood**

1. **GENERAL**
	1. SECTION INCLUDES
		1. Light Hood designed to be installed over lighting fixtures in a suspended ceiling
		2. Basic Use: The Speech Guard Light Hood is designed to be installed over lighting fixtures in a suspended ceiling. Lighting fixtures have been identified as a significant path for speech to enter the ceiling plenum and travel to neighboring areas.
		3. Composition and materials: Speech Guard is covered on both sides with a non-woven polyester rayon facing, core is fiberglass. Components are thermally molded into a acoustical hood.
	2. REFERENCES
		1. ASTM International
			1. Class A, Testing Method ASTM E-84-05.
			2. Complies with: Uniform Building Code (BOCA), Standard Building Code (SBCCI) and International Building Code (ICC)
			3. Meets the National Electric Code pertaining to the installation of this system over lighting fixtures
	3. SUBMITTALS
		1. General: Submit listed submittals in accordance with the conditions of the contract
		2. Product Data: Manufacturer's data sheets on each product to be used, including:
			1. Preparation instructions and recommendations.
			2. Storage and handling requirements and recommendations.
	4. QUALITY ASSURANCE
		1. Product Qualifications: Products shall meet the following criteria:
			1. Surface Burning Characteristics (ASTM E84)
				1. Flamespread: 15, maximum.
				2. Smoke Developed: 5, maximum.
			2. Model Building Codes: ICBO, ICC, BOCA, SBCCI
		2. Warranty: Please refer to the Spirit Acoustics Inc. Limited Warranty on manufacturing defects for specific information
			1. Spirit Acoustics Inc. has no control over the installation, design, installation workmanship, or conditions of application. Spirit Acoustics Inc. does not warrant the performance or results of any installation containing its products
	5. DELIVERY, STORAGE, AND HANDLING
		1. Store products in manufacturer's unopened packaging until ready for installation.
	6. PROJECT CONDITIONS
		1. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's absolute limits.
		2. Speech Guard must not be used to support any material including insulation. Where insulation must be used it should not overlap onto installed Speech Guard Hoods.

**PART 2 PRODUCTS**

* 1. Speech Guard Light Hood
		1. Manufacturer: Spirit Acoustics Inc.

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* + 1. Substitutions: Not permitted.
	1. MANUFACTURED UNITS
		1. Light Hood
			1. Thickness: 1”, Height: 9”
			2. Product Dimensions:
				1. Size: [24 inches x 24 inches (610mm x 610mm)] or [24 inches x 48 inches (610mm x 1220)]
				2. Core: 1” thick rigid fiberglass
			3. Weight:
				1. 2’ x 2’ standard hood: 5lb.
				2. 2’ x 4’ standard hood: 10lb.
				3. 2’ x 2’ hood with 1 lb barrier: 13.5 lb.
				4. 2’ x 4’ hood with 1 lb barrier: 24 lb.
		2. Product Performance:
			1. Reverberation Room Method ASTM C 423-09a/E 795-08/NVLAP 08/P03
				1. Speech Guard Light Hood Standard: NRC 1.00
			2. Class A fire rating, Testing Method ASTM E-84-05.
			3. Airborne Sound Transmission Loss of Building Partitions ASTM E 90-09/NVLAP 08/P06
				1. Speech Guard Light Hood Standard - STC: 5
				2. Speech Guard Light Hood with 1 lb. Septum – STC: 26

**PART 3 EXECUTION**

* 1. EXAMINATION
		1. Site Verification of Conditions: Verify substrate conditions are acceptable for product installation in accordance with manufacturer’s instructions.
	2. INSTALLATION
		1. Speech Guard is installed above the light fixture in a suspended ceiling. Mounting clips are included for easy installation to the ceiling grid. Speech guard is shipped in multiple pieces, handling directions are included in the product shipment.

END OF SECTION