

VLM™

m o v i n g m i r r o r



The VARI*LITE® VLM™ moving mirror adds a dual-sided highly reflective mirror panel to the same yoke assembly used in the VL5™ and VL6™ luminaires.

The combination of two reflecting surfaces and the capability of continuously spinning the mirror panel on the tilt axis produces a wide variety of effects. The VLM moving mirror can be used to augment VARI*LITE wash and spot luminaires. It can also be used with conventional sources to create beam motion effects.

The VLM moving mirror can be controlled from any VARI*LITE console, or can be controlled from a wide variety of DMX consoles.

Programmable Functions

PAN AND TILT: Smooth, time controlled continuous motion by way of a digital servo system.

RANGE: Pan - 360°, Tilt - 360°.

MAX VELOCITY: 220° per second.

ACCURACY: 0.3° resolution.

Description

REFLECTOR: Dual-sided mirrored panel with highly reflective polycarbonate finish.

SPIN CONTROL: Variable rate continuous tilt motion in either direction.

POWER REQUIREMENTS: Powered through the Smart Repeater™ processing unit, which adapts to all world-wide voltages.

OPERATIONAL TEMPERATURE: -20° to 120°F (-29° to 49°C).

CONTROL: Completely compatible with either the VARI*LITE automated lighting system, featuring the Artisan®Plus or mini-Artisan®2 control console, or consoles with DMX-512 output.

MOUNTING POSITION: The VLM moving mirror unit can be mounted and operated in any orientation.

SPACING: Hangs on 18 in. (460 mm) centers.

WEIGHT: 12 lbs (5.5 kg).

Accessories

22.9634.0217 Series 300™ Truss Hook
22.9634.0145 Series 300 Safety Cable
22.9634.0161 Series 300 Floor Stand

25.7040.0006 6 ft. Shielded Series 300 Lamp Cable
25.7040.0012 12 ft. Shielded Series 300 Lamp Cable
25.7040.0020 20 ft. Shielded Series 300 Lamp Cable
25.7040.0050 50 ft. Shielded Series 300 Lamp Cable
25.7040.0100 100 ft. Shielded Series 300 Lamp Cable
25.7040.0XXX Custom Length Shielded Series 300 Lamp Cable*
*Cannot exceed 300 ft. in length.

20.9625.0018 Series 300 Molded Plastic Six Luminaire Case
20.9625.0024 Series 300 Molded Plastic Work Trunk

22.5011.0060 Spare Assemblies Set
22.5011.0072 Spare Components Set

Specifications

The unit shall be an integrally designed, remote controlled moving mirror unit. The yoke shall be constructed of aluminum alloy and steel for lightweight strength. The mirror shall be road-worthy and dual-sided, with a highly reflective polycarbonate finish.

Two enclosed, high torque motors shall be provided to permit movement on a horizontal plane of 360° and on a vertical plane of 360°. Continuous spinning shall be provided on the vertical plane. Control cabling shall be run internally to prevent tangling. The low voltage motors shall be belt driven, providing positional resolution and repeatability of 0.3° on either axis. Manual override under power shall result in no harm to the drive mechanism.

Each unit shall be equipped with an on-board microprocessor providing diagnostic and self-calibration functions. In the event the moving mirror unit encounters any physical obstruction during calibration, the pan and tilt motors will automatically be disabled preventing damage to the mechanisms.

Control cable to unit shall provide both digital control signal and power from power supply box. In addition to being easily hung from a truss or piping, a floor stand shall be available. Safety cable shall be provided with unit. Exterior finish shall be black epoxy coat. Total weight shall not exceed 12 lbs (5.5 kg). The unit shall be UL and C-UL listed and CE-marked.

