



APPENDIX B.

Technical Specifications

Mechanical

Color

Enhanced DICHRO*TUNE™ radial color changing mechanism featuring independent blue, amber, and magenta color control capable of smooth, timed color crossfades or changes.

Pastel (Dichroic Glass) Option:

As an option, all versions of the VL500 wash luminaire are available with “pastel” or lighter colored blue and magenta color filters. VL500 wash luminaires fitted with pastel-colored dichroic glass maintain the electrical specifications of the standard version of the VL500 wash.

Intensity Control

Tungsten models offer an optional integral dimmer or may be dimmed with a customer supplied external dimmer. Arc models contain an internal mechanical douser.

Beam Control

In all models, a selection of six, easily interchangeable front lenses provide a variety of beam size and shape options. In the VL500 and VL500D an internal, variable diffuser mechanism provides additional beam control. With stipple lens in place and adjustment of diffusion, beam angle is capable of variance from 8-24°.

Pan and Tilt

Smooth, time-controlled continuous motion by way of a three-phase stepper motor system. Range: Pan - 540° , Tilt - 270°.

Pan/Tilt Accuracy

0.3° resolution.

Weight

- VL500: 43 lbs (19.5 kg)
- VL500D: 48 lbs. (21.8 kg)
- VL500A: 43 lbs. (19.5 kg), 13.5 lbs. (6.12 kg) external ballast

Spacing

Refer to illustration on [page 17](#).

Optical

Source

Model	Lamp	Color Temperature
VL500 (120V)	Tungsten, 120V, 1200W	3200°K
VL500 (230V)	Tungsten, 230V, 1000W	3200°K
VL500D (120V)	Tungsten, 120V, 1200W	3200°K
VL500D (230V)	Tungsten, 230V, 1000W	3200°K
VL500A (575W)	Arc, 575W	6000°K
VL500A (700W)	Arc, 700W	7200°K

Reflector

Precision glass reflector with dichroic cold mirror coating.

Lens and Lens Options

Factory lens is a stipple. Accepts standard Par 64 cover lenses (optional - *Clear, 8-Row Lenticular, 10-Row Lenticular, 12-Row Lenticular, and Buxom*).