

D U S A[®] DUSA Pharmaceuticals, Inc.[®] 25 Upton Drive Wilmington, MA 01887 SPECIFICATION DESIGN	Document #: SPD-0235 Current DCO 05-273 Revision: B Effective Date: 1/31/06 Supersedes: A Released By: A. Nicolaisen
Title: BLU-U[®] Optical Specification	

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Model 4170 System Specifications	
Total Emitting Area:	36 cm H X 79 cm W (2844 cm ²) Maximum
Active Emitting Area:	30 cm H X 46 cm W (1380 cm ²) Minimum
Emitting Surface Geometry:	Flat Plane Emitter/diffuser in an Elliptical Configuration
Power Output:	Non-adjustable —10 mW/cm ² , as measured with a cosine response detector at the center of the unit at a point 3" from the emitting surface.
Output Stability:	As measured with a cosine response detector at the center of the unit at a point 3" from the emitting surface: • 5.0 to 11.5 mW over first 5 minutes • 9.0 to 11.0 mW over next 25 minutes
Power Output Uniformity:	Power output at any point on the active emitting surface shall not be less than 70% of the measured maximum when measured with a cosine response detector at a fixed distance and shall not be less than 60% when measured over all operational distances.
Operational Distance:	Power Output and Power Output Uniformity shall be met at any distance from 2" to 4" from the emitting surface.
Illumination Source	7 ea. — F34T8 UBL Ultra Blue fluorescent tubes
Spectral Output:	417 ± 5 nm peak; 30 ± 5 nm FWHM
Phosphor	Sr ₂ P ₂ O ₇ : Eu
Power Requirements:	120/220 – 240 VAC; 60/50 Hz; 2.5/1.5A
Controls:	• Master Power Switch • Key Switch • 30 min. Digital Timer
Connections:	Hospital Grade Electrical Cord