Manufacturer:
Dymax

Product Name:
Dymax 2000-EC UV Curing Flood Lamp with Mounting Stand

Manufacturer Part Number:
39730

▶ Click here for more details on the Dymax 2000-EC UV Curing Flood Lamp with Mounting Stand

2000-EC & 5000-EC
UV Light-Curing Flood Systems

Dymax UV light-curing flood lamps offer moderate to high intensity UV light-curing over a 5" x 5" or 8" x 8" area. Curing in 5-30 seconds is typical using Dymax light-curable adhesives. These lamps are available with or without shutters and shielding and are simple to operate. Dymax UV flood lamps can be used as bench-top curing systems or easily integrated into automated assembly systems. These flood lamps offer the industry's most consistent intensity over the 2,000 hour bulb warranty.

2000-EC and 5000-EC UV Light-Curing Flood Lamps

The 2000-EC and 5000-EC modular UV light-curing flood lamps offer moderate to high intensity over a large area (up to 8" x 8"). By adding shielding and/or shutters, these UV light-curing flood lamps can be used as either turnkey bench-top systems or integrated into an automated assembly process. Either lamp may be fitted with bulbs that produce primarily shortwave UV, primarily longwave UV, or primarily visible light.
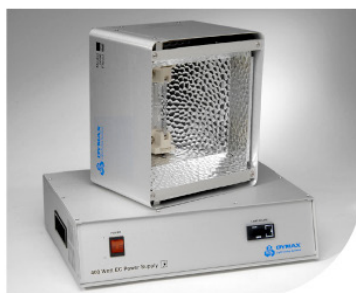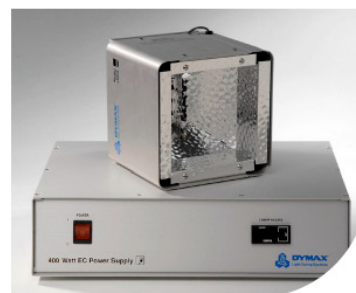
- Powerful UV light-curing lamps (up to 225 mW/cm^2)

- Two bulb options (shortwave or long-wave)

- Large curing area - 5" x 5" (12.7 cm x 12.7 cm) or 8" x 8" (20.3 cm x 20.3 cm)

- Adjustable lamp height

- Typical cure times of 5-30 seconds

- Bulbs are warranted for 2,000 hours

- Shutter that can be actuated by foot pedal or PLC

- 100% shielding with safety interlock available

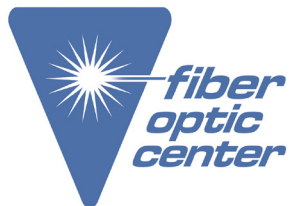2000-EC modular power supply and housing, 8" x 8" curing area

5000-EC modular power supply and housing, 5" x 5" curing area

Contact the professionals at Fiber Optic Center for a quote or to get more details.

focenter.com • 508-992-6464 | (800) 473-4237 • sales@focenter.com
23 Centre Street • New Bedford, MA 02740 USA

Product specifications and data are subject to change without notice.
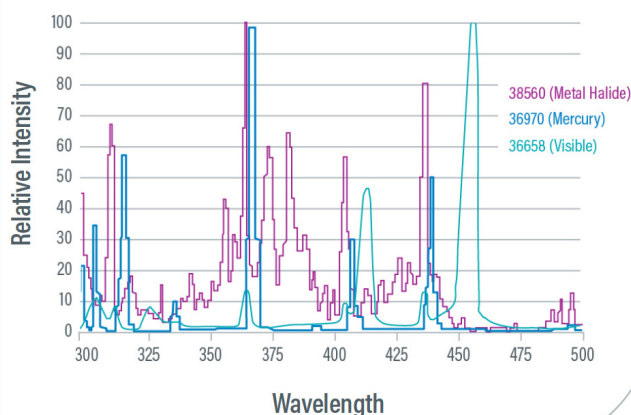
Manufacturer:
Dymax

Product Name:
Dymax 2000-EC UV Curing Flood Lamp with Mounting Stand
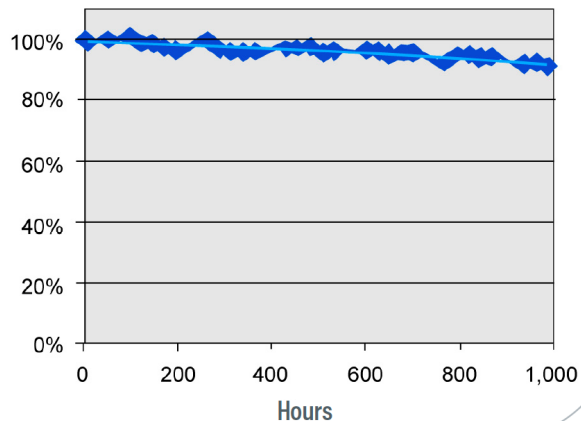
Manufacturer Part Number:
39730

▶ Click here for more details on the Dymax 2000-EC UV Curing Flood Lamp with Mounting Stand

Specifications	2000-EC Modular	5000-EC Modular
Part Number	38105	38100
Initial Intensity*	105 mW/cm²	225 mW/cm²
Curing Area	8" x 8" (20.3 cm x 20.3 cm)	5" x 5" (12.7 cm x 12.7 cm)
Working Distance	2" - 6"	2" - 6"
Reflector Housing Dimensions (L x W x H)	9" x 10.5" x 7.5" (22.9 cm x 26.7 cm x 19.1 cm)	6.75" x 6.75" x 8" (17.2 cm x 17.2 cm x 20.3 cm)
Power Supply Dimensions (L x W x H)	12" x 16" x 4.25" (30.5 cm x 40.6 cm x 10.8 cm)	
Bulb Warranty	2,000 hours	
Typical Degradation	< 20% over 2,000 hours	
Power Requirements	90-265V, 50-60 Hz	
Replacement Bulb Part Numbers	38560 Metal Halide (Standard, UVA, Longwave) 36970 Mercury (UVB, Shortwave) 36658 Visible	

Spectral Outputs for Dymax 400W Flood Bulbs

38560 (Metal Halide)
36970 (Mercury)
36658 (Visible)

Relative Intensity

Wavelength

EC Flood Lamp Spectral Output

Flood Lamp Bulb Degradation

Hours

The intensity generated by Dymax flood systems is very consistent. With continuous use, bulb degradation of less than 20% over the first 2,000 hours is typical. On/off cycles will accelerate bulb degradation.

Contact the professionals at Fiber Optic Center for a quote or to get more details.

focenter.com • 508-992-6464 | (800) 473-4237 • sales@focenter.com
23 Centre Street • New Bedford, MA 02740 USA

Product specifications and data are subject to change without notice.

Manufacturer:
Dymax

Product Name:
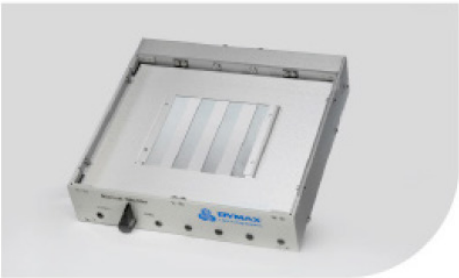Dymax 2000-EC UV Curing Flood Lamp with Mounting Stand

Manufacturer Part Number:
39730

▶ Click here for more details on the Dymax 2000-EC UV Curing Flood Lamp with Mounting Stand
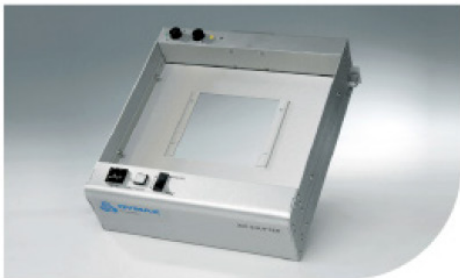
Accessories

Shutters

Dymax UV light-curing flood lamps require a five (5) minute warm up and five (5) minutes to cool down. For that reason, it is not practical to control exposure by turning lamps on/off. Shutters, however, can be used to control exposure time. Dymax offers the following shutters for use with the 2000-EC and 5000-EC UV-curing flood systems.

Manual Shutter	
Part Number	35572
Dimensions (L x W x H)	11.1" x 11.3" x 2.5" (28.2 cm x 28.7 cm x 6.4 cm)
Description	Low cost louvered shutter. Simple hand turn knob opens and closes shutter.

ZIP™ Shutter	
Part Number	37863 38071 - Replacement Curtain
Dimensions (L x W x H)	13.5" x 11.8" x 4.5" (34.3 cm x 29.9 cm x 11.4 cm)
Description	Electronic, curtain-style shutter. Actuated via finger switch, foot pedal, or customer supplied switch (or PLC).

Contact the professionals at Fiber Optic Center for a quote or to get more details.

focenter.com • 508-992-6464 | (800) 473-4237 • sales@focenter.com
23 Centre Street • New Bedford, MA 02740 USA

Product specifications and data are subject to change without notice.

Manufacturer:
Dymax

Product Name:
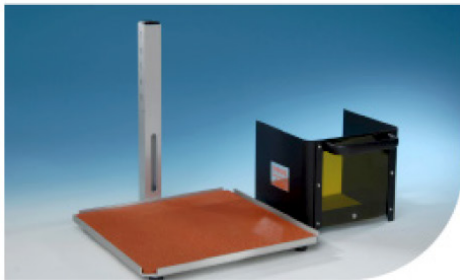Dymax 2000-EC UV Curing Flood Lamp with Mounting Stand

Manufacturer Part Number:
39730

▶ Click here for more details on the Dymax 2000-EC UV Curing Flood Lamp with Mounting Stand

Shielding

Dymax offers two shielding options for its UV curing flood systems, a mounting stand kit and a Light Shield.

Mounting Stand Kits

Part Number	38289 - 5000-EC Mounting Stand Kit 38290 - 2000-EC Mounting Stand Kit
Dimensions (L x W)	5000-EC: 7.0" x 6.1" (17.8 cm x 15.5 cm) 2000-EC: 8.5" x 10.8" (21.6 cm x 27.4 cm)
Description	A simple and cost effective 3-sided shield that is removed manually. Not compatible with Dymax shutters.

Light Shield

Part Number	41175
Inside Dimensions (L x W x H)	14.9" x 10.6" x 8.0" (37.9 cm x 26.9 cm x 20.3 cm)
Outside Dimensions (L x W x H)	16.9" x 12.6" x 10.8" (42.9 cm x 32 cm x 27.4 cm)
Description	360° shielding. Swing up door and slide out shelf. Compatible with Dymax shutters.

Contact the professionals at Fiber Optic Center for a quote or to get more details.

focenter.com • 508-992-6464 | (800) 473-4237 • sales@focenter.com
23 Centre Street • New Bedford, MA 02740 USA

Product specifications and data are subject to change without notice.

fiber optic center

Manufacturer:
Dymax

Product Name:
Dymax 2000-EC UV Curing Flood Lamp with Mounting Stand

Manufacturer Part Number:
39730

▶ Click here for more details on the Dymax 2000-EC UV Curing Flood Lamp with Mounting Stand

Part Numbers for Various Lamp/Shutter/Shielding Combinations	2000-EC	5000-EC
Modular (no shielding or shutter)	38105	38100
With Mounting Stand	39730	39830
With Light Shield	39720	39820
With Light Shield and Manual Shutter	39723	39823
With Light Shield and ZIP™ Shutter	39721	39821

The ACCU-CAL™ 50 radiometer is simple to operate and offers repeatable measurement of UV light. The Dymax ACCU-CAL™ 50 can measure UV light emitted from lightguides (3 mm, 5 mm, and 8 mm), UV flood systems, and UV conveyors.

Contact the professionals at Fiber Optic Center for a quote or to get more details.

focenter.com • 508-992-6464 | (800) 473-4237 • sales@focenter.com
23 Centre Street • New Bedford, MA 02740 USA

Product specifications and data are subject to change without notice.