



**Manufacturer:**  
Dymax

**Product Name:**  
Dymax 5000-EC UV Curing Flood Lamp

**Manufacturer Part Number:**  
38100

▶ [Click here for more details on the Dymax 5000-EC UV Curing Flood Lamp](#)

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

- Powerful UV light-curing lamps (up to 225 mW/cm<sup>2</sup>)
- 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

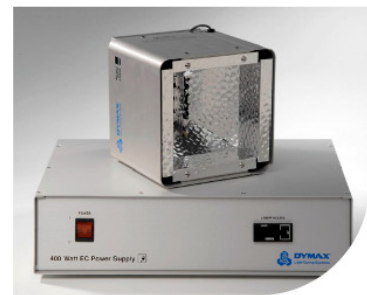
Dymax UV light-curing flood lamps offer moderate to high intensity UV light-curing over a 5" x 5" or 8" x 8" area. Curing in 5-30 seconds is typical using Dymax light-curable adhesives. These lamps are available with or without shutters and shielding and are simple to operate. Dymax UV flood lamps can 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.



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.**

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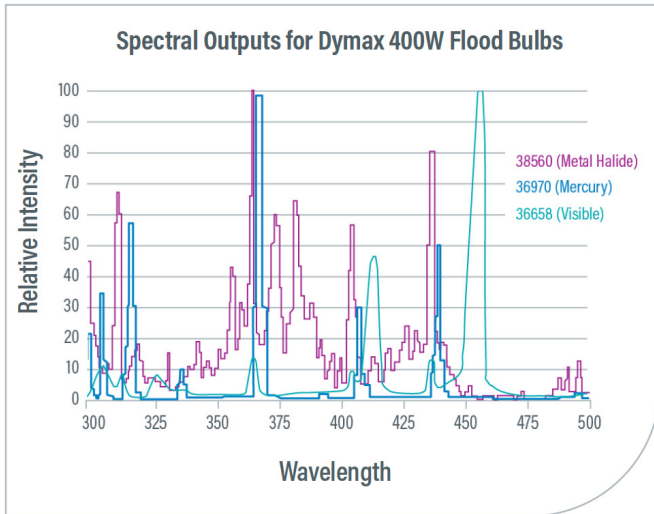
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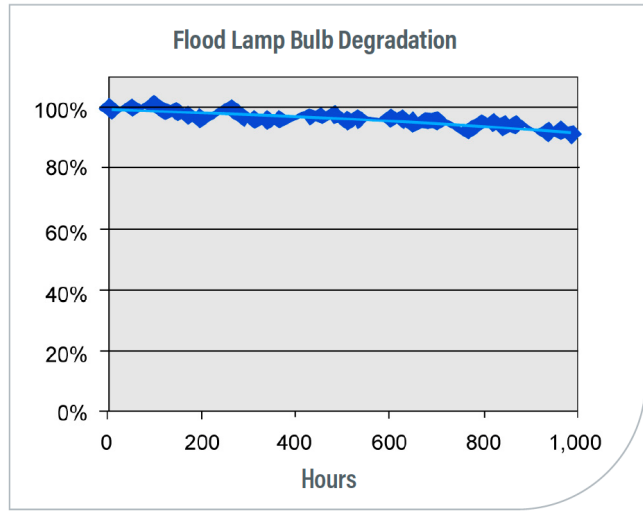
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Specifications	2000-EC Modular	5000-EC Modular
Part Number	38105	38100
Initial Intensity*	105 mW/cm <sup>2</sup>	225 mW/cm <sup>2</sup>
Curing Area	8" x 8" (20.3 cm x 20.3 cm)	5" x 5" (12.7 cm x 12.7 cm)
Working Distance	2" - 6"	2" - 6"
Reflector Housing 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	<b>38560</b> Metal Halide (Standard, UVA, Longwave) <b>36970</b> Mercury (UVB, Shortwave) <b>36658</b> Visible	



EC Flood Lamp Spectral Output



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.

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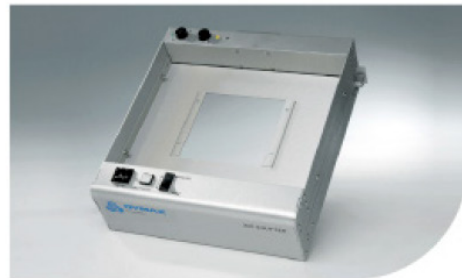
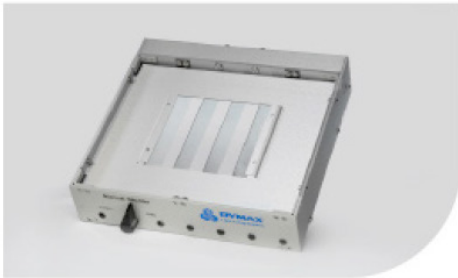
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## Accessories

### 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).

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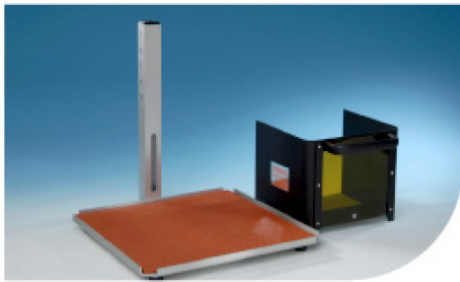
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## Shielding

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



Mounting Stand Kits	
<b>Part Number</b>	38289 - 5000-EC Mounting Stand Kit 38290 - 2000-EC Mounting Stand Kit
<b>Dimensions (L x W)</b>	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)
<b>Description</b>	A simple and cost effective 3-sided shield that is removed manually. Not compatible with Dymax shutters.

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

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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.

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