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**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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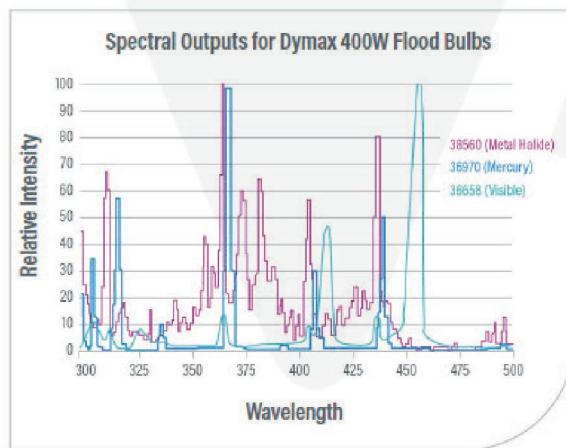
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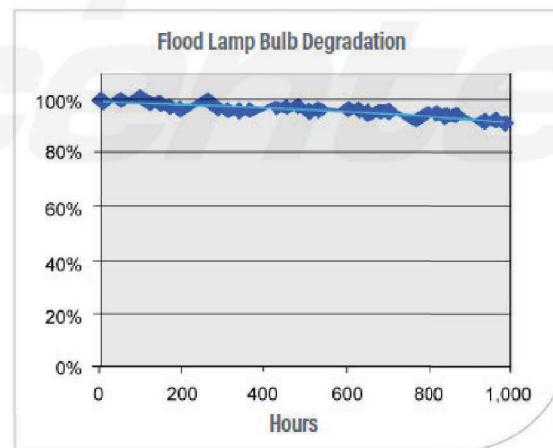
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| Specifications                           | 2000-EC Modular   | 5000-EC Modular                                  |
|--|---|--|
| Part Number                              | <a href="#">38105</a>   | <a href="#">38100</a>                            |
| 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            | <a href="#">38560</a> Metal Halide (Standard, UVA, Longwave)<br><a href="#">36970</a> Mercury (UVB, Shortwave)<br><a href="#">36658</a> 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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## 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            | <a href="#">35572</a>  |
| 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            | <a href="#">37863</a><br><a href="#">38071</a> 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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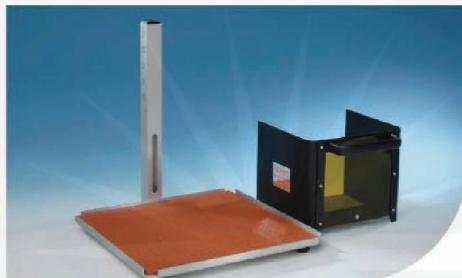
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► Click here for more details on the Dymax 5000-EC UV Curing Flood Lamp

## 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        | <a href="#">38289</a> - 5000-EC Mounting Stand Kit<br><a href="#">38290</a> - 2000-EC Mounting Stand Kit |
| Dimensions (L x W) | 5000-EC: 70" x 6.1" (178 cm x 15.5 cm)<br>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                    | <a href="#">41175</a>  |
| 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)                                  |
| Safety Interlock               | <a href="#">41166</a> - Optional Kit (closes shutter if door is opened mid-cycle)  |
| Description                    | 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)                            | <a href="#">38105</a> | <a href="#">38100</a> |
| With Mounting Stand  | <a href="#">39730</a> | <a href="#">39830</a> |
| With Light Shield  | <a href="#">39720</a> | <a href="#">39820</a> |
| With Light Shield and Manual Shutter                         | <a href="#">39723</a> | <a href="#">39823</a> |
| With Light Shield and ZIP™ Shutter                           | <a href="#">39721</a> | <a href="#">39821</a> |



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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