

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

- Powerful UV light-curing lamps (up to 225 mW/cm²)
- 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.



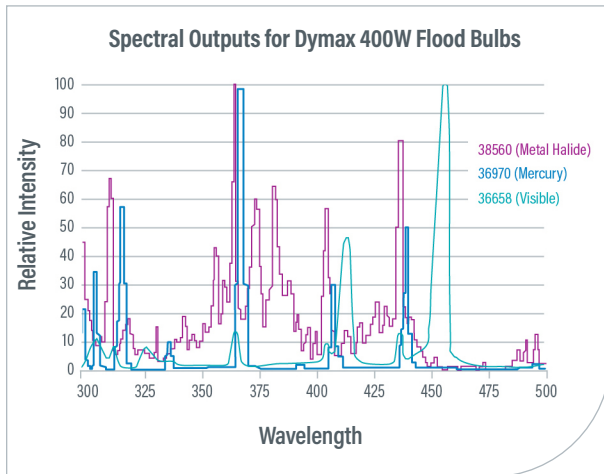
2000-EC modular power supply and housing,
8" x 8" curing area



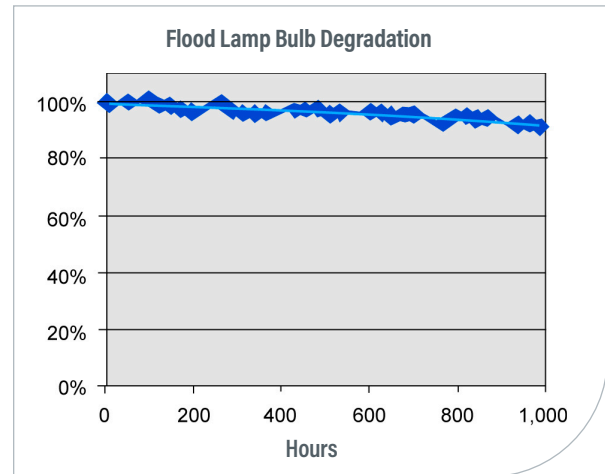
5000-EC modular power supply and housing,
5" x 5" curing area

Specifications

| Specifications | 2000-EC Modular | 5000-EC Modular |
|--|--|--|
| Part Number | 38105 | 38100 |
| Initial Intensity* | 105 mW/cm ² | 225 mW/cm ² |
| 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 | |



EC Flood Lamp Spectral Output

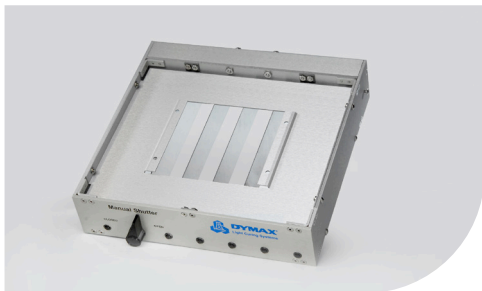


The intensity generated by Dymax flood systems is very consistent. With continuous use, bulb degradation of less than 20% over the first 2,000 hours is typical. On/off cycles will accelerate bulb degradation.

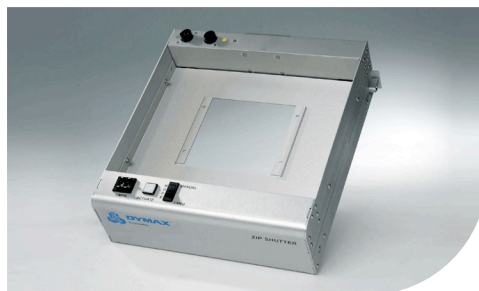
Accessories

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.



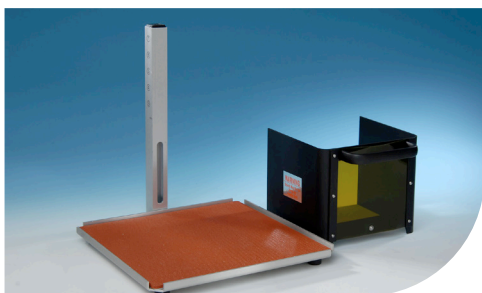
| Manual Shutter | |
|-------------------------------|--|
| Part Number | 35572 |
| Dimensions (L x W x H) | 11.1" x 11.3" x 2.5" (28.2 cm x 28.7 cm x 6.4 cm) |
| Description | Low cost louvered shutter. Simple hand turn knob opens and closes shutter. |



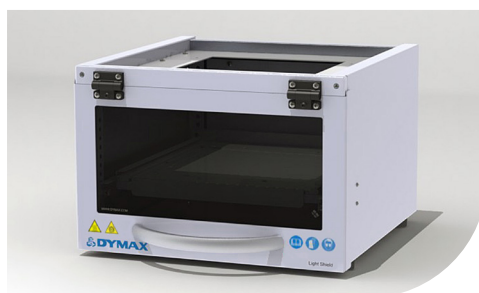
| ZIP™ Shutter | |
|-------------------------------|--|
| Part Number | 37863 38071 - Replacement Curtain |
| Dimensions (L x W x H) | 13.5" x 11.8" x 4.5" (34.3 cm x 29.9 cm x 11.4 cm) |
| Description | Electronic, curtain-style shutter. Actuated via finger switch, foot pedal, or customer supplied switch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

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) |
| Safety Interlock | 41166 - Optional Kit (closes shutter if door is opened mid-cycle) |
| Description | 360° shielding. Swing up door and slide out shelf. Compatible with Dymax shutters. |

| 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.

Free Dymax Equipment Evaluation

Contact your Dymax representative to initiate rental of Dymax curing equipment. The highlights of the Dymax Equipment Try-and-Buy Program are:

- Two (2) weeks free evaluation and 6% per week thereafter
- Eight (8) weeks of rental fees are deducted from the price at purchase
- 50% of additional rental fees are deducted
- Customer pays shipping both ways