

# QUICK START GUIDE



**Manufacturer:**  
Dymax

**Product Name:**  
Dymax 2000-EC UV Curing Flood Lamp

**Manufacturer Part Number:**  
38105

▶ [Click here for more details on the Dymax 2000-EC UV Curing Flood Lamp](#)

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**EC-Series Flood Lamps with Light Shield  
Assembly Instructions**

1. Unpack the light shield (PSS) and remove protective coverings.
2. Unpack the EC-Series Flood Lamp. Install the bulb into the reflector housing ensuring that the bulb is properly seated. If desired, install the fan to the top of the reflector housing (the fan is optional on all units).
3. Install the reflector assembly onto the reflector (Figure 1-1).



1-1 EC-Series Flood Lamp Assembly Components

4. If using the 2000-EC Reflector, an optional glass fan is available. If desired, install the glass fan into the reflector and position the four screws around the fan. Retighten the fan support ring.

**NOTE:** When using a 2000-EC fan, position the Support Plate so that the six screw support contacts in the top of the Reflector plate will fit snugly into the plate. The Reflector Support Plate Assembly will not fit flush on the Light Shield if the plate is not installed correctly.



1-2 EC-Series Flood Lamp Assembly Components

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[EC Series Flood Lamps with Light Shield Quick Start Guide](#)

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**EC-Series Flood Lamps with Light Shield & Manual Shutter**

1. Unpack the light shield (PSS) and remove protective coverings.
2. Unpack the EC-Series Flood Lamp. Install the bulb into the reflector housing ensuring that the bulb is properly seated. If desired, install the fan to the top of the reflector housing (the fan is optional on all units).
3. Check the manual shutter. The shutter is shipped with the 2000-EC reflector support plate installed. Remove the support plate by removing the four screws (Figure 1-1).

**NOTE:** This plate is not used when a 2000-EC fan is used.

4. Unpack the power supply and reflector. Remove the four screws from the Reflector (Figure 1-2).



1-1 EC-Series Flood Lamp Assembly Components



1-2 EC-Series Flood Lamp Assembly Components

5. If using the 2000-EC reflector, an optional glass fan is available. If desired, install the glass fan into the reflector and position the four screws around the fan. Retighten the fan support ring.
6. Install the appropriate support plate(s) to the reflector with the four screws (shown in Step 5, Figure 1-2).



1-3 EC-Series Flood Lamp Assembly Components

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## EC-Series Flood Lamps with Light Shield Assembly Instructions

1. Unpack the light shield (PN [41175](#)) and remove protective coverings.
2. Unpack the EC-series flood lamp. Install the bulb into the reflector housing ensuring that the bulb is properly seated. If desired, install the fan to the top of the reflector housing (the fan is available as an option).
3. Invert the reflector and remove the four screws (Figures 1-3).



Figure 1-3. Remove Screws

4. If using the 2000-EC Reflector, an optional glass filter is available. If desired, install the glass filter plate by removing the two support bars and four spacers from the 2000-EC reflector. Install the glass filter on the reflector and position the four spacers around the filter. Reinstall the two support bars.
5. Fasten the appropriate Support Plate to the Reflector with the four screws removed in step 1 (Figure 4-5).

**NOTE:** When using a 2000-EC lamp, position the Support Plate so that the side with cropped corners is facing the rear of the Reflector (side with four connections). The Reflector/Support Plate Assembly will not sit flush on the Light Shield if this plate is attached backwards.



Figure 4-5. Fasten the Appropriate Support Plate to the Reflector

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6. Remove the four M4 x 8-mm screws from the Light Shield's Top Cover (Figure 6).
7. Place the Reflector Assembly onto the Light Shield. Using the M4 x 8-mm screws, secure the Reflector/Support Plate Assembly to the Light Shield (Figure 7).

NOTE: Do not tighten until directed in Step 8.



Figure 6. Remove Screws from Light Shield Top Cover



Figure 7. Secure the Reflector/Support Plate Assembly to the Light Shield

8. Center the Reflector Assembly on the Light Shield. When the desired position is achieved, fully tighten the Securing Brackets to the Light Shield.
9. Install cable PN 40878 between the connector on the rear of the Light Shield and J5 on the back of the reflector (this cable is packaged with the Light Shield). Install the larger Cable (PN 37904) between J3 on the back of the Reflector and the back of the Power Supply. Install the Power Cable (PN 35255) to the back of the Power Supply (Figure 7).

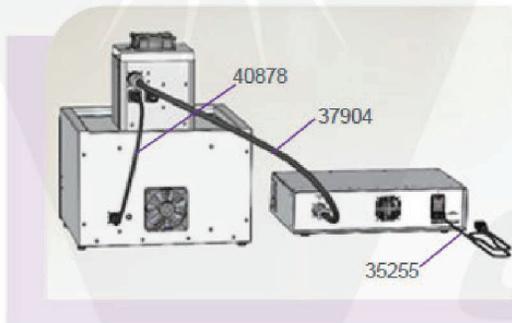


Figure 7. Rear Connections (5000-EC Shown)



Figure 8. Complete System (2000-EC Shown)

10. For your safety, always wear the proper protective equipment when working with UV light-curing systems. Once you are wearing the appropriate gear, turn the power supply's power switch on and allow bulb to warm-up for 5 minutes.
11. The flood lamp system is ready for operation.

**Please Refer to Component User Guides for Detailed Operating Instruction**

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## EC-Series Flood Lamps with Light Shield & Manual Shutter

1. Unpack the light shield (PN [41175](#)) and remove protective coverings.
2. Unpack the EC-series flood lamp. Install the bulb into the reflector housing ensuring that the bulb is properly seated. If desired, install the fan option to the top of the reflector housing (the fan is available as an option).
3. Unpack the manual shutter. The shutter is shipped with the 5000-EC reflector support plate installed. Remove the support plate by removing the four 8-32 x 3/8" screws (Figure 1).

*NOTE: This plate is not used when a 2000-EC is used.*

4. Unpack the power supply and reflector. Remove the four screws from the Reflector (Figure 2).

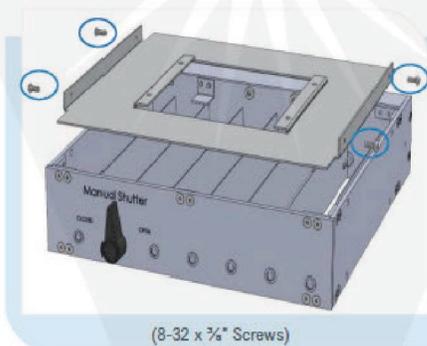


Figure 1. Remove 5000-EC Reflector Support Plate



Figure 2. Remove Screws from Reflector



5. If using the 2000-EC reflector, an optional glass filter is available. If desired, install the glass filter plate by removing the two support bars and four spacers from the 2000-EC reflector. Install the glass filter on the reflector and position the four spacers around the filter. Reinstall the two support bars.
6. Fasten the appropriate support plate(s) to the reflector with the four screws removed in step 5 (Figure 3).



2000-EC (6-32 x 1/2" Screws)



5000-EC (8-32 x 1/4" Screws)

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Figure 3. Install Support Plate

7. Place the reflector assembly into the shutter.
8. Remove the four M4 x 8-mm screws from the top of the Light Shield (Figure 4).
9. Place the shutter and reflector assembly into the top of the light shield. Align the holes on the shutter with the holes on the two securing brackets. Install the two securing brackets (Figure 5) using the 8-32 x 3/8" screws provided.

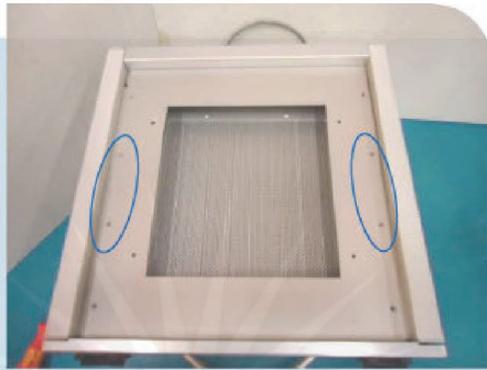


Figure 4. Remove Screws from Light Shield



Figure 5. Install Securing Brackets

10. Center the shutter on the light shield. When the desired position is achieved, tighten all fasteners.
11. Install cable PN 40878 between the connector on the rear of the light shield and the back of the reflector. Install the large cable between the back of the reflector and the back of the power supply (PN 37904). These cables are color coded to aid assembly. Install the power cable (PN 35255) to the rear of the power supply.
12. Your light shield, manual shutter, and lamp assembly is ready for operation. The shutter may be controlled by means of manual lever on the front of the shutter.

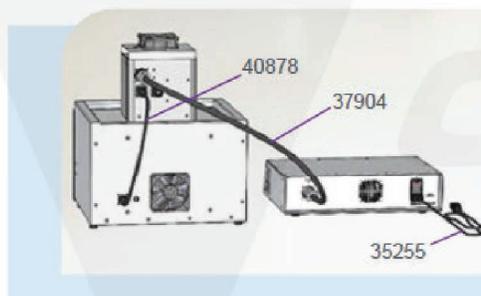


Figure 6. Complete System (5000-EC Shown)



Figure 7. Complete System (2000-EC Shown)

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