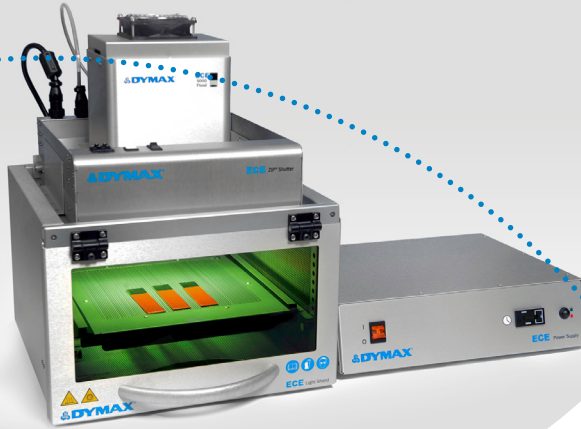




ECE 5000

UV Light-Curing Flood Lamp System

- Powerful UV light-curing lamps (>200 mW/cm²)
- System contain a mercury UVB short-wave bulb
- 5" x 5" (12.7 cm x 12.7 cm) flood lamp
- 100% shielding with safety interlock
- Shutter that can be actuated by foot pedal or PLC
- Easy-to-adjust tray height
- Lamp turn-off when the light shield door is open
- Bulbs are warranted for 2,000 hours*
- Reduced light leakage with the new ECE light shield design
- Redesigned mounting plate for the ZIP shutter reduces light leakage
- Containment of non-passive lamp failure

* Warranty covers bulb ignition only. Intensity is not warranted.

Now available through Carbon 3D and Dentca, the Dymax ECE-5000 is a UV flood-lamp curing system ideal for curing and post-conditioning 3D-printed parts. The system offers high-intensity curing over a 5" x 5" (12.7 cm x 12.7 cm) area. The system is simple to operate and comes complete including ECE-5000 UV lamp, ZIP™ shutter, and light shield. The system comes standard with a mercury UVB shortwave bulb and offers consistent intensity over the 2,000 hour bulb warranty.

Specifications	
Part Numbers	43155 North American Version (Cord with 120V Plug) 43156 No Power Cord* 43157 Asian Version (Type G Power Cord)
Typical Initial Output Intensity at UVA (365 nm)**	>200 mW/cm ²
Curing Area	5" x 5" (12.7 cm x 12.7 cm)
Working Distance	2" - 6" (5.08 cm - 15.24 cm)
Reflector Housing Dimensions	6.75" L x 6.75" W x 8" H (17.2 cm x 17.2 cm x 20.3 cm)
Power Supply Dimensions	12" L x 16" W x 4.25" H (30.5 cm x 40.6 cm x 10.8 cm)
Bulb Warranty	2,000 hours (no intensity warranty, only bulb ignition)
Power Requirements	100 - 240 VAC +/-10% Single Phase 47 - 63 Hz
Replacement Bulb Part Number	36970 Mercury (UVB, Shortwave)
Recommended Accessories	41590 ACCU-CAL™ 160 Radiometer This radiometer is simple to operate and offers repeatable measurement of curing energy. It can measure UV light emitted from UV flood system, and UV conveyors.

* For customer in Europe, the appropriate power cord will be added

** Intensity readings vary widely depending on the make and model of the radiometer.



Dymax makes no representations about how effective or suitable its equipment is for use on or with material not manufactured by Dymax. It is the user's responsibility to determine whether a product is suitable for the user's particular purpose. Numerous factors—including, without limitation, transport, storage, processing, the material used to create a compound may affect the product's performance and/or may cause the product's actual behavior to deviate. Dymax is not liable for determining such suitability.

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Figure 1. Spectral Output for Dymax 400 Watt Mercury Bulb

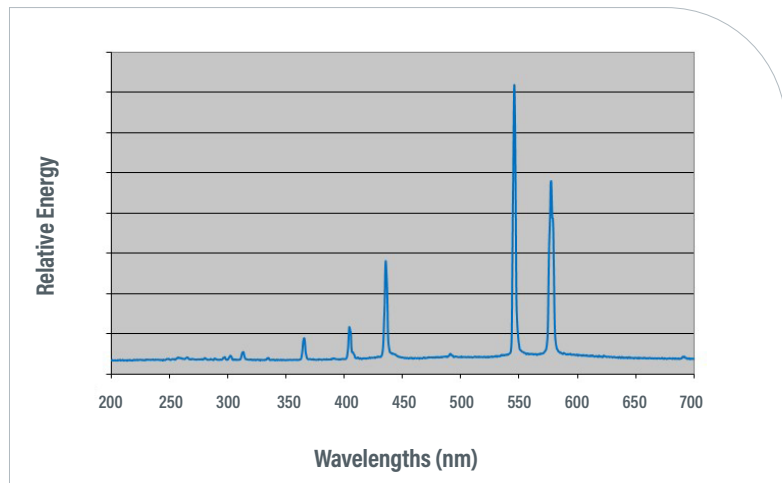
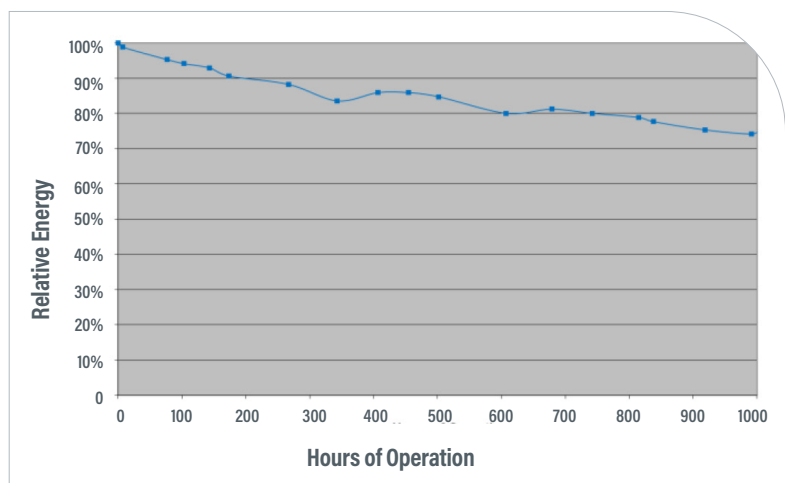


Figure 2. Typical 400 Watt Mercury Bulb Degradation



The intensity generated by Dymax flood systems is very consistent. Power on/off cycle's temperature, humidity, and operating environment all have an effect on intensity degradation and will affect bulb life.



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