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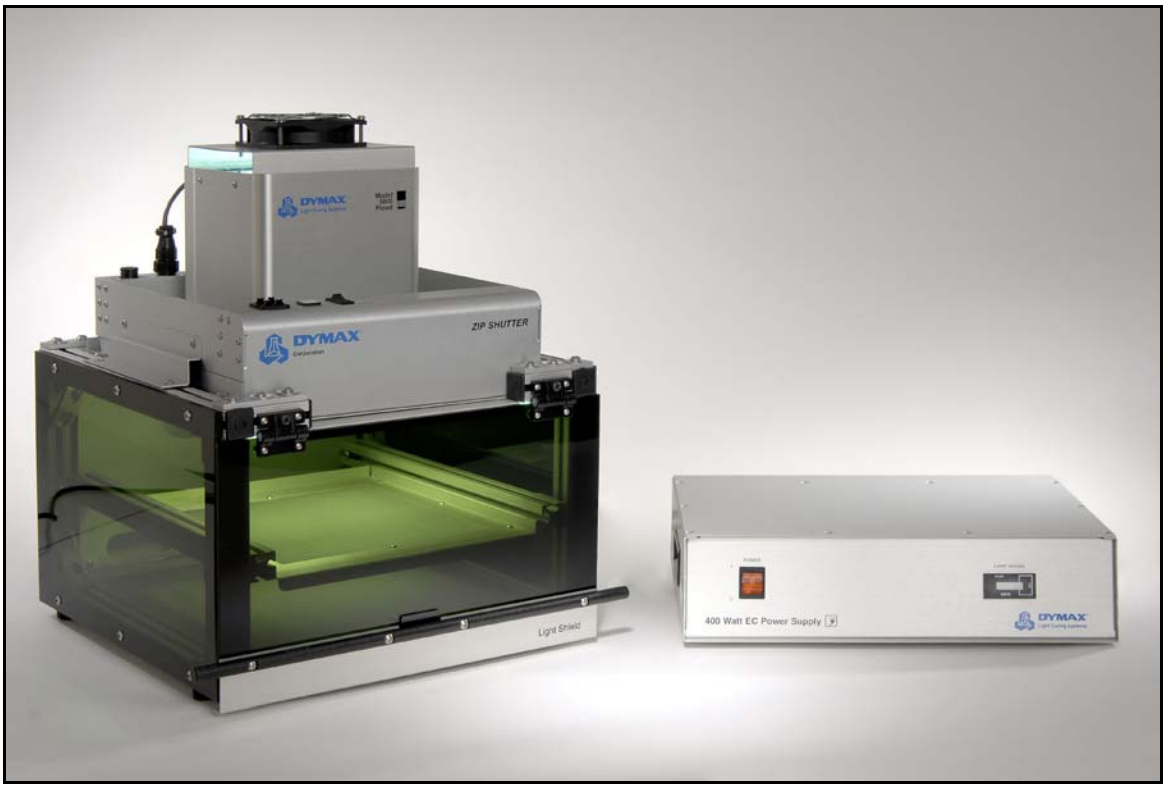
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Find the *Dymax 2000-EC* at our website: *Click HERE*

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

Not Available in Europe[1]

DYMAX UV light curing flood lamps offer moderate to high intensity UV curing over a 5" x 5" or 8" x 8" area. Curing in 5-30 seconds is typical using DYMAX light curing 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.



DYMAX 5000-EC UV Curing Flood Lamp Shown with ZIP™ Shutter and Light Shield enclosure.

FEATURES	
Powerful UV curing lamps (up to 225 mW/cm^2)[2]	Two bulb options (shortwave or longwave)
Large curing area 5" x 5" or 8" x 8" (12.7 cm x 12.7 cm) or (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

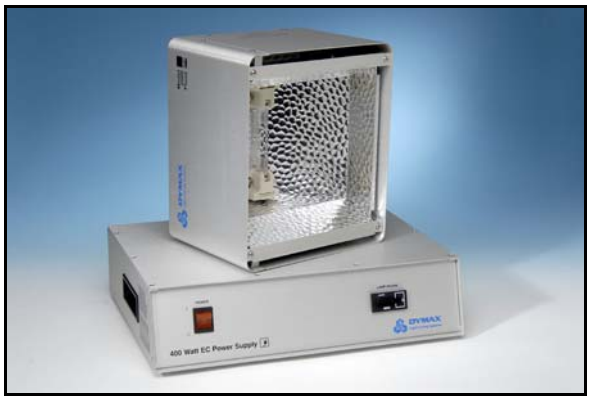
[1] See Lit206EU for CE marked DYMAX UV curing flood lamp systems for Europe.

[2] Measured with a DYMAX ACCU-CAL™ 50 Radiometer (320-395 nm) at a lamp height of 3" using a standard metal halide bulb.

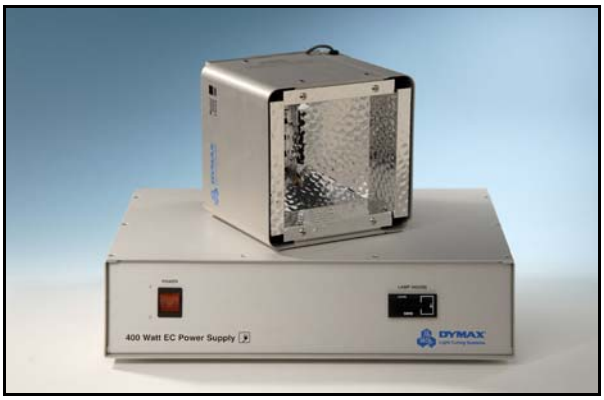
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2000-EC and 5000-EC UV Light Curing Flood Lamps

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 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.

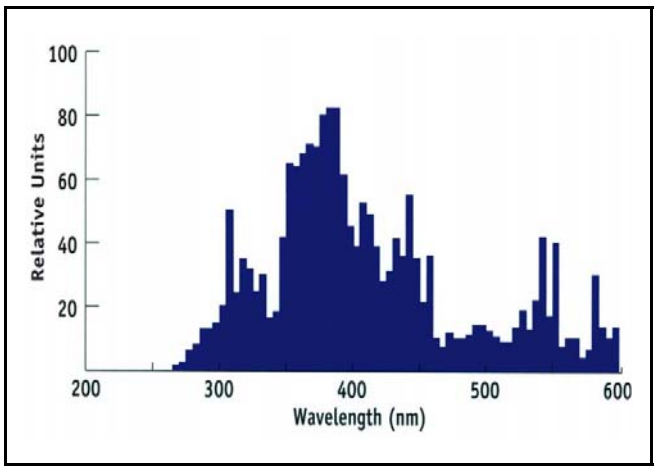


2000-EC modular power supply and housing, 8" x 8" curing area

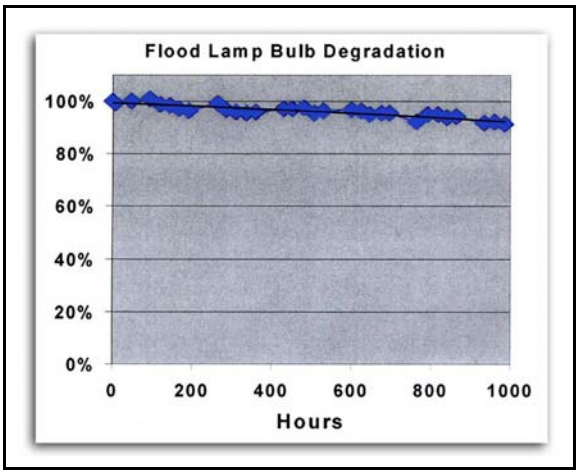


5000-EC modular power supply and housing, 5" x 5" curing area

SPECIFICATIONS	2000-EC Modular	5000-EC Modular
Part Number	**38105**	**38100**
Initial Intensity	75 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"
Dimensions (L x W x H)	Power Supply: 12" L x 16" W x 4.25" H (30.5 cm x 40.6 cm x 10.8 cm) Reflector Housing: 9" L x 10.5" W x 7.5" H (22.9 cm x 26.7 cm x 19.1 cm)	Power Supply: 12" L x 16" W x 4.25" H (30.5 cm x 40.6 cm x 10.8 cm) Reflector Housing: 6.75" L x 6.75" W x 8" H (17.2 cm x 17.2 cm x 20.3 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	



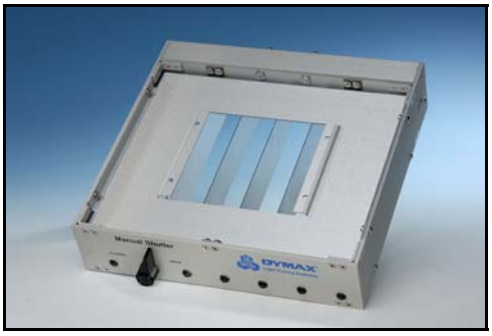
2000-EC and 5000-EC UV light curing flood lamps spectral distribution using a standard metal halide bulb (**PN 38560**)



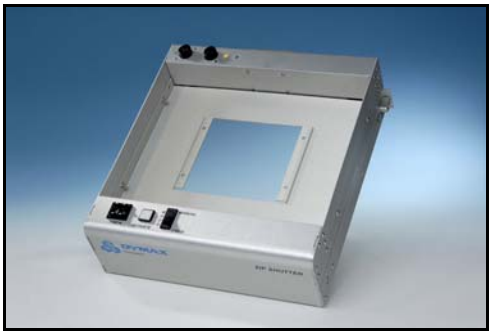
The intensity generated by DYMAX flood systems is very consistent. With continuous use, bulb degradation of less than 20% over the first 2,000 hours is typical. On/off cycles will accelerate bulb degradation.

Shutters

DYMAX UV 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 shown open

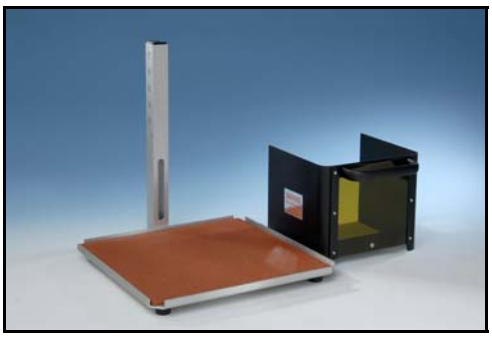


ZIP™ shutter shown open

Manual Shutter		ZIP™ Shutter	
Part Number	**35572**	**Part Number**	**37863** **38071** - Replacement Curtain
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)	**Dimensions** (L x W x H)	13.5" x 11.75" x 4.5" (34.3 cm x 29.9 cm x 11.4 cm)
Description	Low cost louvered shutter. Simple hand turn knob opens and closes shutter.	**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.



Shown: 5000-EC mounting stand kit



Light Shield shown open with sliding tray out

Mounting Stand Kits		Light Shield	
Part Number	**38289** - 5000-EC Mounting Stand Kit **38290** - 2000-EC Mounting Stand Kit	**Part Number**	**38125**
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)	**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)
Description	A simple and cost effective 3-sided shield that is removed manually. Not compatible with DYMAX shutters.	**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	**PN - 38402** - 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		
Description	**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.

DYMAX Equipment Literature			
Type	**Description**	**Literature Numbers**	**European Literature Numbers**
General	Guide to Selecting and Using DYMAX Light Curing Systems	Lit010A	Lit010AEU
	DYMAX UV Curing Systems Safety Considerations	Lit133	Lit133
UV Light Curing Spot Lamps	BlueWave® 200 UV Light Curing Spot Lamp	Lit218	Lit218EU
	BlueWave® 50 AS UV Light Curing Spot Lamp	Lit101	Lit101EU
	BlueWave® 50 UV Light Curing Spot Lamp	-	Lit226EU
UV Light Curing Flood Lamps	2000-EC and 5000-EC UV Light Curing Flood Lamps	Lit206	-
	UV Flood and Focused Beam Mix & Match UV Light Curing Modules	-	Lit206EU
UV Light Curing Conveyor Systems	UVCS UV Light Curing Conveyor Systems (12")	Lit051A	Lit051EU
	WIDECURE™ UV Light Curing Conveyor Systems (18" and 25")	Lit088	-
	WIDECURE™ UV Light Curing Conveyor System with Auto Clamp (25")	Lit050	-
	UVC-5 and UVC-8 UV Light Curing Conveyor Systems	-	Lit051EU
UV Radiometers	ACCU-CAL™ 50 Radiometer	Lit159	Lit159EU

FREE DYMAX EQUIPMENT EVALUATION

Contact your DYMAX representative to initiate rental of DYMAX UV curing equipment. The highlights of the DYMAX Trial Rental/Lease program are:

- *Two (2) weeks free evaluation and 3% 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*

For further assistance with adhesive and equipment selection, contact your DYMAX Technical Service Representative.

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