

Using the BlueWave® LED Flood with an Acrylic Shield (PN 41395)

The BlueWave® LED Flood curing unit can be used in conjunction with a number of accessories to create a customized bench-top curing system. LED array unit installations that do not incorporate fixturing to address stray energy emissions can utilize a Dymax acrylic shield (PN 41395) or other Ultraviolet/Visible energy blocking shielding material. Systems using the BlueWave® LED flood with the Dymax acrylic shield (PN 41395) should adhere to the following instructions to ensure proper operation. To use the system safely, it must be set up and operated in accordance with these instructions and any additional instructions given in the user guide. Using the system in any other manner will impair the protection of the operator and system. Dymax assumes no liability for any changes that may impair the protection of the BlueWave® LED Flood unit.



IMPORTANT! Operators are recommended to wear applicable personal protective equipment specified by their company's safety policy for UV-curing. Personal protective equipment should be in place and used at all times before operating the system.

1. Refer to the BlueWave® LED Flood User Guide to complete the initial setup of your unit. A Dymax mounting stand PN 41268, PN 41294, or some other form of mounting configuration will need to be incorporated in order to hold the irradiator in conjunction with the acrylic shield.
2. Once the LED Array is properly mounted, place the materials to be cured under the LED array.
3. Place the acrylic shield in front of the LED Array. Align the acrylic shield with the center of the LED array.

NOTE: It is important to allow even air flow on both sides of the LED array. If either of the air vents are blocked, the unit will overheat, you will see an error screen, and the unit will shut down. Always ensure that air flow to the array or controller cooling vents is not restricted.

4. Set curing parameters according to application requirements. Instructions for setting these parameters and complete unit operation can be found in the unit's user guide.
5. Initiate cure cycle.
6. Once cure cycle is completed, remove the acrylic shield and unload/remove the cured parts.

NOTE: The shield is meant for intermittent use only and is not meant to be used for continuous operation. Continuous operation may result in overheating. If your unit does overheat, an error message will display. Refer to the troubleshooting section of the user guide for more information.

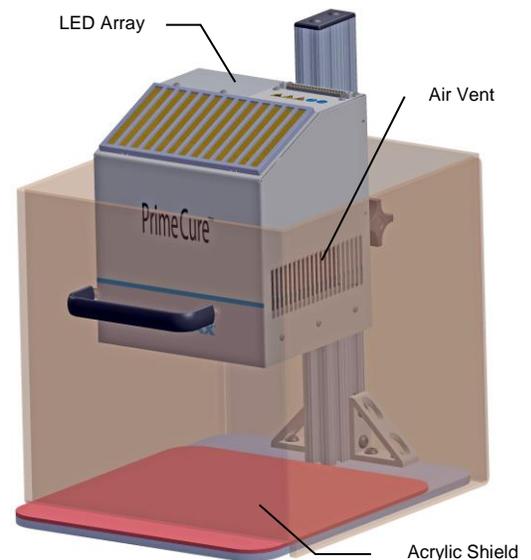


Figure 1. Center the Acrylic Shield to Allow Even Air Flow on both Sides of the LED Array

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Please note that most dispensing and curing system applications are unique. Dymax does not warrant the fitness of the product for the intended application. Any warranty applicable to the product, its application and use is strictly limited to that contained in Dymax's standard Conditions of Sale. Dymax recommends that any intended application be evaluated and tested by the user to insure that desired performance criteria are satisfied. Dymax is willing to assist users in their performance testing and evaluation by offering equipment trial rental and leasing programs to assist in such testing and evaluations. Data sheets are available for valve controllers or pressure pots upon request. QS072 10/24/2014