

MOLDED UV OPTICS

Can help
you gain a

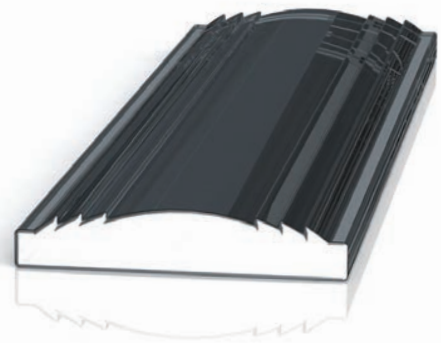
20%

Increase in
Irradiance

30%

Improvement in
Uniformity

Our molded UV optics enable the creation of high-performance UV curing lights with flexible working distances and the ability to cure both flat and complex 3D surfaces. Achieve greater design freedom while also improving energy efficiency, using fewer UV LEDs, and improving overall thermal management.



HIGH-PERFORMANCE LIGHTS ENABLE VERSATILE, EFFICIENT CURING SYSTEMS

Maximize Irradiance and Increase Working Distances

Molded UV glass optics increase the energy density hitting the cure surface and enable greater flexibility in cure system working distances. Maximizing the irradiance means you can cure complex 3D surfaces and ensure that the light is evenly distributed onto the surface.

Reduce Thermal Management Requirements and Extend UV LED Useful Life

The use of an optic allows you to reduce the number of UV LEDs required or to reduce the drive current to the UV LEDs. Both of these options give you the light intensity you need, while reducing the need for cumbersome cooling systems. Use optics to improve energy efficiency, decrease the thermal management requirements, and extend the useful life of the UV LEDs.

Create High-performance Lights with Fewer UV LEDs

When first transitioning to UV LEDs one of the biggest barriers to overcome is their high cost. Our solution reduces the initial investment required; optics increase irradiance and allow you to reduce the number of UV LEDs in the unit, while still achieving the desired energy density.

Increase Productivity While Maintaining High Cure Quality

An increase in irradiance can boost performance of the entire curing operation. With greater energy density reaching the surface, you can increase line speeds and shorten processing times. UV optics improve irradiance uniformity and ensure that even at faster speeds, you still achieve a uniform cure.

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