



## UV LED Advantages

UV light emitting diodes (LEDs) are semiconductor components that produce light when electrical current flows through them. With a life expectancy of over 20,000 hours, UV LEDs are growing in popularity. Here are a few reasons why:



### Instant On / Off

No warmup or cooldown required



### Cool Output

Low radiant heat to product being cured



### Energy Efficient

Less input power, can turn off in between cycles



### Environmentally Friendly

LEDs do not contain mercury



### No Optical Filtering

Narrow spectral width, no unwanted wavelengths



### Improved Light Uniformity

LED light is evenly distributed



### No Safety Issues

No fragile glass lamp or filter, no shatter issues

Uvitron systems and conveyors that incorporate UV LEDs

#### Systems

SkyBeam

SkyRay

#### Conveyors

UV Conveyor 40 Plus

SunBelt BT9

## Count on Uvitron for



### Fast Curing

Cure adhesives, coatings and more in seconds with high-power, long-life UV light curing systems.



### Proven Quality

Uvitron systems are designed and manufactured in-house, with thousands of units in service worldwide.



### Lifetime Support

Our experienced staff of engineers, sales reps and application specialists are always ready to support our customers.



## UV Arc Lamp Advantages

An arc, or electrode lamp, is the most common of all UV light sources; UV light is produced when mercury vapor passes between an electric arc. UV arc lamps typically provide between 500 and 2,000 hours of bulb life, which is significantly lower than a UV LED alternative. However, depending on the object being cured, an arc lamp may be advantageous to employ. Here are a few reasons why:



### Lower Cost

Only one long lamp and reflector required; inexpensive replacement parts



### Speedy Curing

Infrared light increases heat and cure speed



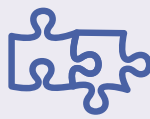
### Light Projection

Reflectors project light over larger distances; good for tall / 3D parts



### Single Light Source

Easy UV measurement; few samples needed due to uniformity over length



### Compatibility

Wide spectral output guarantees compatibility with most broad-spectrum or LED adhesives and coatings



### Versatility

UVA / Visible lamps available for depth cure, UVB / UVC lamps for tack free surface cure

Uvitron systems and conveyors that incorporate arc lamps

### Systems

IntelliRay	SunRay
IntelliRay Quad	PortaRay
SunRay Quad	Sunspot 2

### Conveyors

Sunbelt 25	SunBelt BT9
UV Conveyor 40 Plus	

Contact us at 413.731.7835 with questions or to place an order or request a quote online.