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# Handheld UV Flood Light

**(world's highest optical power density 380 nm LED, continuous operation)**

## Product Description

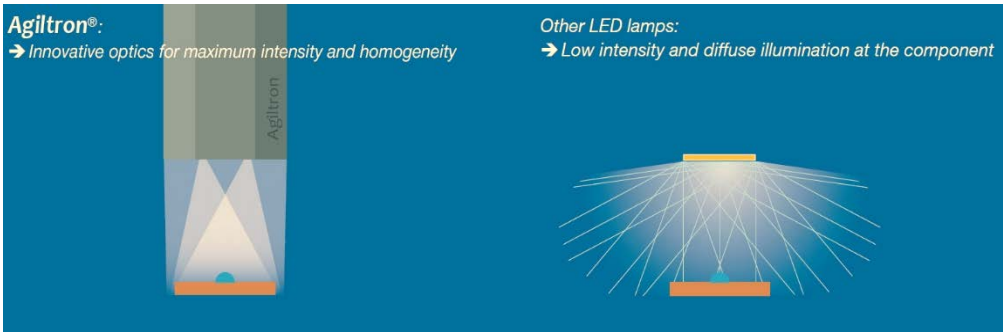
This UV LED spot light burns paper with an output power density exceeding legacy mercury UV lamps. It is the most powerful device on the market. The design leverages multi-year military UV gear developments, realizing a ruggedized manufacturing tool for the mass market.

The 380nm UV light features fast/deep epoxy curing, continuous long operation, homogeneity illumination, compact size, ease of use, and longevity. The hand-held UV light can be switched on/off either by a finger press or a foot pedal and has a timer.

### Features

- Long Operation
- High Power
- Uniform
- Compact
- Low Cost

## Advanced Features




❑ Optical Lens System For Maximum Intensity and Homogeneity

The special LED and lens system delivery high UV light intensity that burns paper (no competitor can achieve). The optics also enables homogeneity over the entire irradiation area as illustrated above.

❑ Cooled LED For Constant Light Intensity and Long Lifetime.

For constant light intensity and long lifetime, high power LED modules require temperature cooling. With integrated fan and special heat sinks, our spot light can operate continuously for a day without intensity change.

### Applications

- UV adhesive cure
- UV coating

RoHS Compliant

Revised on 5/2/21
(Click here for latest revision)

15 Presidential Way, Woburn, MA 01801 Tel: 781-935-1200 Fax: 781-935-2400
www.agiltron.com

## Performance Specifications

| Parameter | Description | Unit |
|---|---|---|
| Wavelength | 380±5 | nm |
| Optical Power Density | 0.8 * | $W/cm^2$ |
| LED Electrical Power | 55 | W |
| Cure Time Range | 10 seconds to 60 minutes | |
| UV Spot Size | 50 to 100 | mm |
| Working Distance | 30 to 100 | mm |
| Cooling Method | air blowing | |
| Operation Life | > 30,000 | hours |

* measured at the illuminating object, not at the LED chip. Some spot vendor only report value measured at the chip

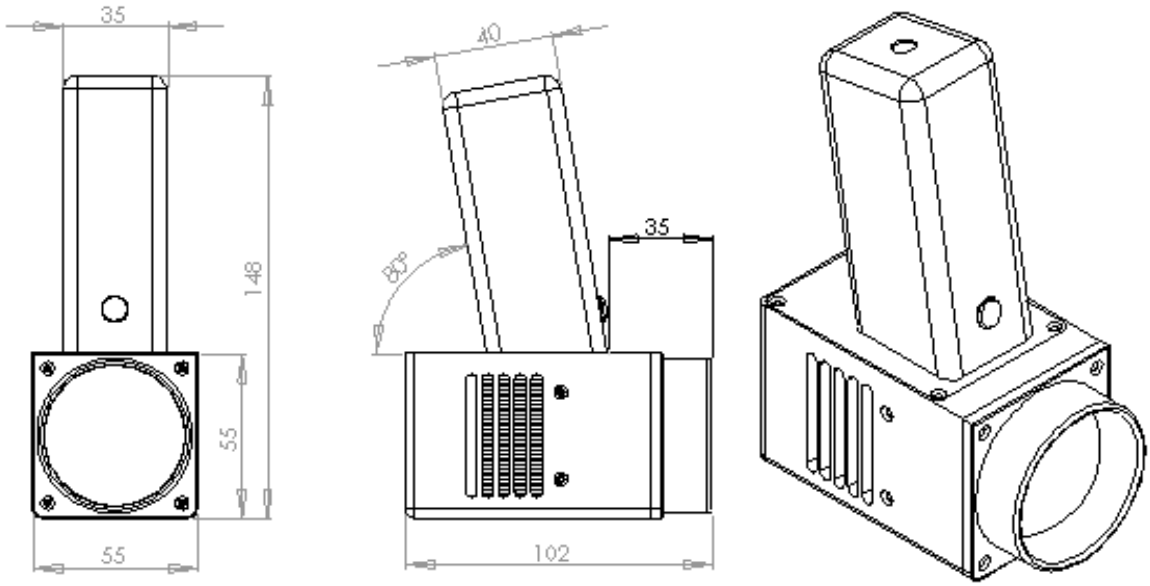
## Electrical Specifications

| Component | Parameter | Unit |
|---|---|---|
| Power supply | AC 100 ~ 240 | V |
| Fuse | 1 | A |

## Mechanical Footprint Dimensions

| Component | Dimensions | Unit |
|---|---|---|
| Handset | 55 x 52 x 148 | mm |
| Controller | 160 x 150 x 80 | mm |

*Product dimensions may change without notice. This is sometimes required for non-standard specifications.

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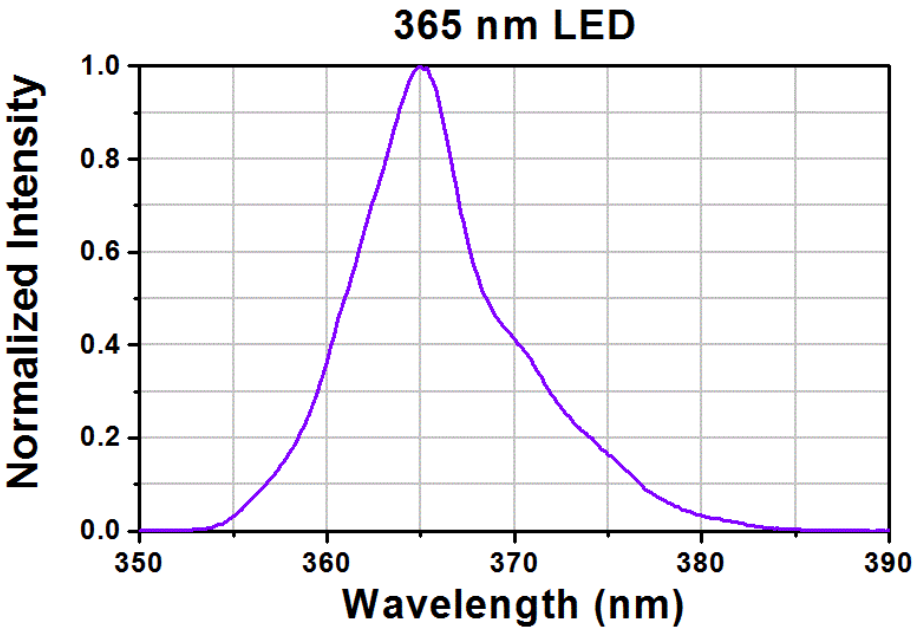
# Solid State UV Spot Light

## Emission Spectrum




## Ordering Information

| SUVA- | ☐☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
|---|---|---|---|---|---|---|---|---|
| | Type | Wavelength | Lens | UV Power | UV Head Cord Length | Handset | Cooling Fan | Foot Switch |
| | Flood = 02<br>Special = 00 | 380 nm = 1<br>400 nm = 2 | Standard = 1<br>Special = 0 | Standard = 1<br>Special = 0 | 1.8 m = 1<br>Special = 0 | Yes = 1<br>No = 0 | Standard = 1<br>Special = 0 | Yes = 1<br>No = 0 |

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