

## DATASHEET



### Applications

- UV adhesive cure
- UV coating

### Features

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

### Specifications

| Parameter                         | Description                    | Unit               |
|-----------------------------------|--------------------------------|--------------------|
| Wavelength                        | 235, 255, 280, 365±5, 405, 440 | nm                 |
| Optical Power Density (4mm spot)  | 2.5 – 5.5 *                    | W/cm <sup>2</sup>  |
| Optical Power Density (25mm spot) | 100-150 *                      | mW/cm <sup>2</sup> |
| LED Electrical Power              | 14                             | W                  |
| Cure Time Range                   | 10 seconds to 60 minutes       |                    |
| UV Spot Size                      | Φ4 to 50                       | mm                 |
| Working Distance                  | 20 to 150                      | mm                 |
| Cooling Method                    | air blowing                    |                    |
| Operation Life                    | > 25 000                       | hours              |

\* For wavelength above 365nm.  
For wavelengths shorter than 365nm, we use the best LED available.

### Electrical Specifications

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

# Ultra High Power UV Curing System

(world's highest optical power density 365nm LED, continuous operation)

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### Mechanical Footprint Dimensions (mm)

| Component    | Dimensions           | Unit |
|--------------|----------------------|------|
| UV cure head | Ø30 x 142            | mm   |
| Driver       | 170 W x 180 D x 65 H | mm   |

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

### 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.**

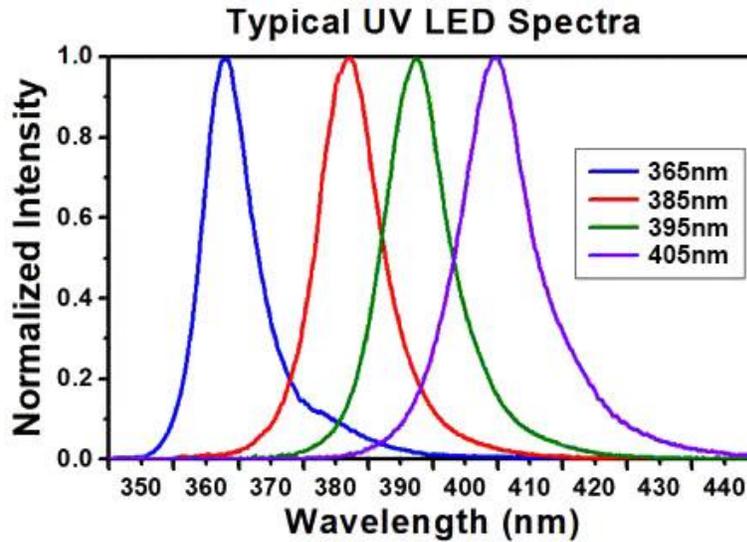
For constant light intensity and long lifetime, high power LED modules require temperature cooling. With integrated fan and special heat sinks, our spot light can operate continuously for a day without intensity change.

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### Emission Spectrum



### Ordering Information

|        |    |   |                          |                          |   |   |   |   |
|--------|----|---|--------------------------|--------------------------|---|---|---|---|
|        | NN | N | <input type="checkbox"/> | <input type="checkbox"/> | N | N | <input type="checkbox"/>                  | N |
| Prefix |    |   | UV Head Holder           | UV Head Shield           |   |   | Eye Protection Goggles                    |   |
| SUVA-  |    |   | None =N<br>Yes = 1       | None =N<br>Yes = 1       |   |   | None =N<br>One = 1<br>Two = 2<br>Three =3 |   |

\*\* Wavelength <365nm uses a LED with the highest optical power available but may not meet the spec

\*\*\* Dual control two

Red: Special order that is more expensive due to the lack of volume