LUMATEC®

# SUPERLITE I 05 AND I 05 UVC

POWERFUL UV LIGHT SOURCES FOR UVC, UVB AND UVA REGIONS

www.lumatec.de

# POWERFUL UV-LIGHT SOURCES FOR INDUSTRIAL APPLICATIONS

## UV LIGHT FOR ALL INDUSTRIAL ADHESIVES

Our tried-and-true light sources, the SUPERLITE I 05 and I 05 UVC, meet conventional demands for all light-curing adhesives. On top of that, they provide controlled UV light options that can range down to short-wave spectra below 320 nm. Some adhesive curing methods cannot do without this type of high-energy UV light with a short wavelength, and all applications benefit from a reliable and constant source of UV light.

## FAST, ACCURATE EXPOSURE

A light source that is able to deliver high-power UV light in combination with fast exposure times can help accelerate manufacturing processes. Our SUPERLITE I 05 light sources illuminate at exposure times of up to 0.2 seconds. The system's light output is constantly regulated and its shutter speeds are monitored to ensure high process stability.

## HIGH PERFORMANCE AT AN ATTRACTIVE ENTRY-LEVEL PRICE

When you opt for the SUPERLITE I 05 or the I 05 UVC, you will enjoy the benefits of the most powerful and versatile spot light source in its class. These instruments' relatively low prices make them interesting prospects even for low-quantity manufacturing runs.

## YOUR BENEFITS AT A GLANCE

Deep UV spectrum

Amount of UV in the light is measured

Power tracking to ensure constant light output

Fast exposure times (up to 2/10 second)

Regulated light output (closed loop feedback)

Constant aperture surveillance (shutter monitoring)

Low entry-level price well suited for small-series production

Suitable for all light-curing adhesives (universal light source)

The SUPERLITE I 05 and I 05 UVC are the most powerful devices in their class

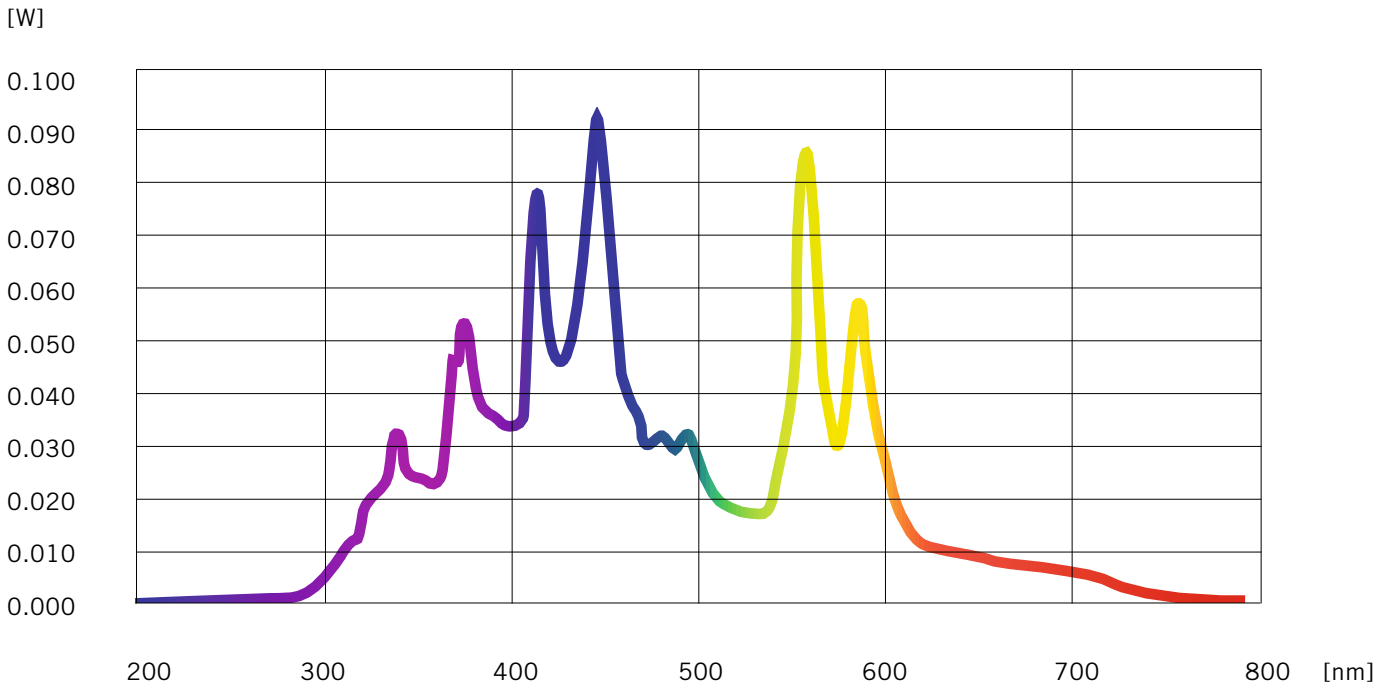
## ADDED BENEFITS OF UVC

Spectrum with UVC wavelengths

Non-tacky surfaces

# SUPERLITE
# I 05

## SPECTRUM

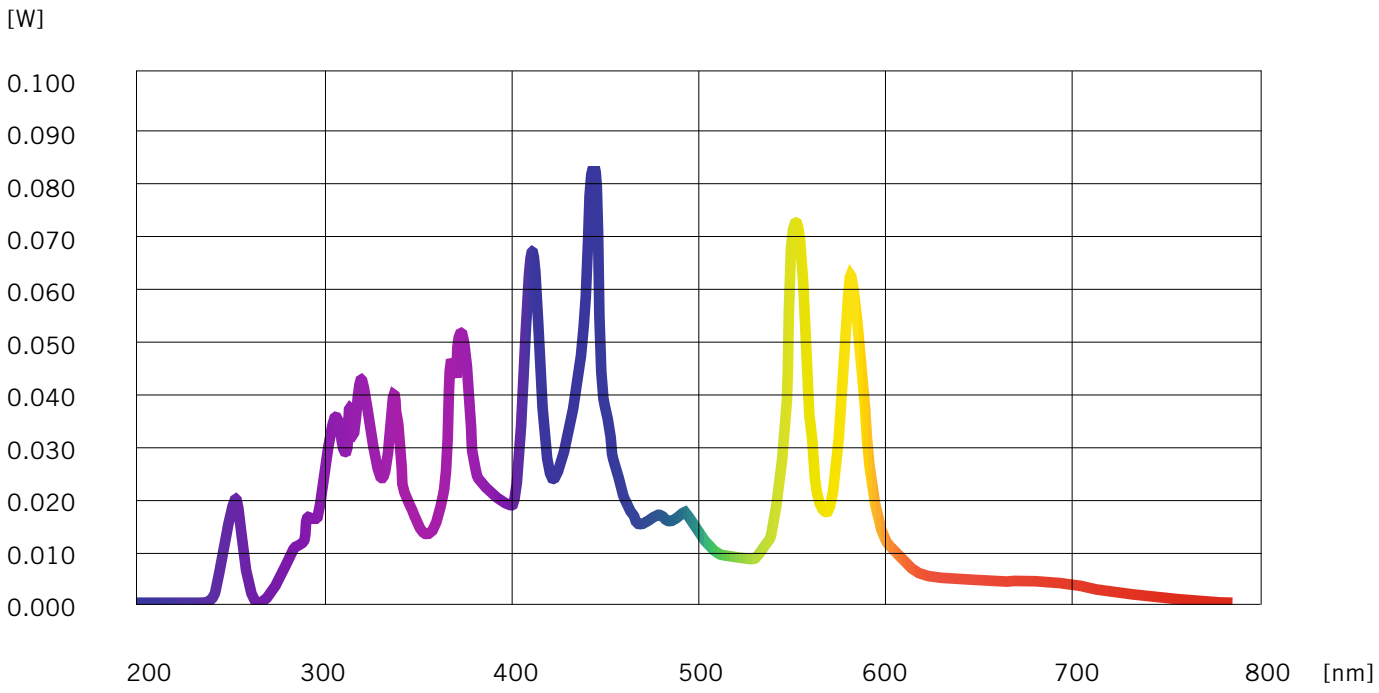



## OPTICAL OUTPUT

| | Spectrum | Power | Power Density |
|---|---|---|---|
| UVB | 280–320 nm | 500 mW | 2,500 mW/cm² |
| UVA | 320–400 nm | 4,500 mW | 22,500 mW/cm² |
| Violet | 400–420 nm | 2,000 mW | 10,000 mW/cm² |
| Blue | 400–500 nm | 8,000 mW | 40,000 mW/cm² |
| UVA–Violet | 320–420 nm | 6,500 mW | 32,500 mW/cm² |
| UVA–Blue | 320–500 nm | 12,500 mW | 62,500 mW/cm² |

# SUPERLITE
# I 05 UVC

## SPECTRUM




## OPTICAL OUTPUT

| | Spectrum | Power | Power Density |
|---|---|---|---|
| UVC | 220–280 nm | 500 mW | 2,500 mW/cm² |
| UVB | 280–320 nm | 2,000 mW | 10,000 mW/cm² |
| UVA | 320–400 nm | 3,500 mW | 17,500 mW/cm² |
| Violet | 400–420 nm | 1,300 mW | 6,500 mW/cm² |
| Blue | 400–500 nm | 5,000 mW | 25,000 mW/cm² |
| UVC-UVA | 220–400 nm | 6,000 mW | 30,000 mW/cm² |
| UVC-Blue | 220–500 nm | 11,000 mW | 55,000 mW/cm² |

# SUPERLITE I 05

## TECHNICAL DATA

Power Supply: 100–240 VAC

Power Consumption: 250 W

Internal Control Voltage: 24 VDC

Lamp Power Stability Within ±10 %

Dimensions: (W × H × D):
340 × 160 × 310 mm

Weight: 6.5 kg

Operating Temperature:
+10 °C up to +35 °C

Storage Temperature:
-10 °C up to +60 °C

Electromagnetic compatibility
meets EMI Standard

FCC Class B

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