LUMATEC®

SUPERLITE I 07

THE HIGH-POWERED LED LIGHT SOURCE FOR INDUSTRIAL APPLICATIONS

www.lumatec.de

A GROUNDBREAKING LED LIGHT SOURCE FOR CURING ADHESIVES

RELIABLE PERFORMANCE, LONG LIFE

A speedy production pace and reliable performance are key competitive advantages when it comes to curing adhesives with light in industrial applications. In other words, fast and reliable processes boost productivity. Our high-powered SUPERLITE I 07 is the first LED light source of its kind to deliver the performance of large discharge lamps – and with tenfold the lamp life to boot.

HIGH SPEED, HIGH-QUALITY LIGHT

The SUPERLITE I 07 is the light source of choice when speed and reliability are essential. It meets two very important demands for cost-effective multi-pole light guides. For one, it does without a mechanical shutter to achieve exposure times in the millisecond range. For the other, it emits regulated, remarkably uniform light at very high intensity levels.

WIDE RANGE OF APPLICATIONS

With performance as powerful and a beam as narrow as this, the SUPERLITE I 07 may also be used at greater distances from the adhesive surface. Its power and reach give you a lot more leeway in configuring your manufacturing processes in the plant.
A modular LED light source, the SUPERLITE I 07 can be modified for other spectra without a great deal of development effort. Feel free to get in touch with us if you are unsure about which LED configuration fits your needs best.

YOUR BENEFITS AT A GLANCE

Reliable and precise with a regulated useful beam to deliver premium-quality light

Very uniform light especially well suited for multi-pole light guides

Long LED life

Most powerful device on the market

Fast exposure without a mechanical shutter suitable for rapid curing processes

Narrow beam (60° angle) and high power density for use at greater distances

Affords you greater freedom in configuring processing stations in your plant

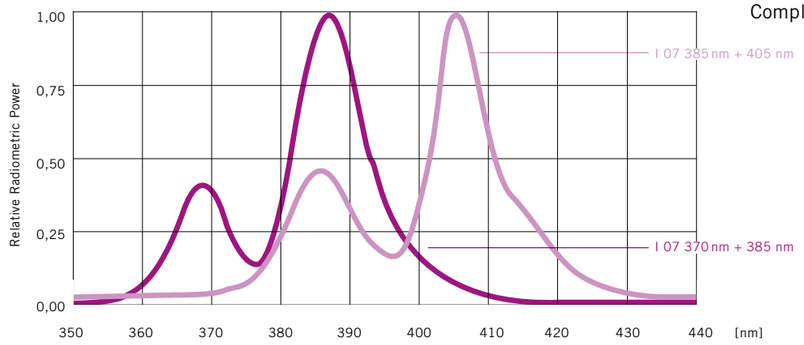
The cost benefits of a long life span, multi-pole light guides, and faster performance than comparable LED light sources

LIGHTGUIDE OPTIONS

Lightguide (Ø mm)	Power	Power Density
3 mm 2 Poles	3,500 (± 5%) mW	50,000 (per Pole) mW/cm²
3 mm 4 Poles	2,000 (± 10%) mW	30,000 (per Pole) mW/cm²
5 mm	10,000 mW	50,000 mW/cm²
6.5 mm	12,000 mW	36,000 mW/cm²

* with LED-Module 385 nm + 405 nm

SPECTRUM



OPTICAL OUTPUT

Item number	Spectrum	Power	Power Density	Aperture
2171.0001	UVA / Violet 385 nm + 405 nm	12,000 mW	36,000 mW/cm²	60 – 70°
2171.0004	UVA / UVA 370 nm + 385 nm	7,000 mW	20,000 mW/cm²	60 – 70°

INTERFACES

	TOUCHDISPLAY	AUX	PLC	USB (PC Software)	Ethernet/CAN (e.g., CANopen)
System Control	●	●	●	●	●
Parameter Configuration	●			●	●
System Status	●		●	●	●
Remote Maintenance					●

TECHNICAL DATA

Power Supply: 100 – 240 VAC

Power Consumption: 500 W

Internal Voltage: 12 VDC max.

Dimensions: (W × H × D):
300 × 250 × 400 mm

Weight: 11 kg

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

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

Coolant: Propylene Glycol / Distillated Water

Compliant with EN 61010

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