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SUPERLITE I 06

THE LED BASED INDUS-
TRY STANDARD FOR
NON-DESTRUCTIVE
TESTING

HIGHLY EFFECTIVE INSPECTION WITH PUREST UV-LIGHT

FIRST CHOICE FOR NON-DESTRUCTIVE TESTING WITH UV-LIGHT

In close cooperation with leading manufacturers of the aerospace and aviation industry, the SUPERLITE I 06 was developed as a compact and compliant LED light source for the Fluorescent or Liquid Penetrant Inspection. It is the first choice for all applications that need pure UV light free of white light. For orientation or documentation purposes the SUPERLITE I 06 can be switched to white light, using either the front-panel button or the optional foot-switch. The intensity levels of both LED modules can be controlled digitally and independently, settings are saved when switching off the unit. The operation is intuitive and self-explanatory.

POWER VARIANTS FOR DIFFERENT WORKING PLACE REQUIREMENTS

The SUPERLITE I 06 is also available with less powerful UV LED modules to enable an optimal control range especially at short working distances.

HIGH FLEXIBILITY

Thanks to exchangeable adapters the Superlite I 06 can be used with the most common lightguides of various manufacturers. Lumatec Liquid Lightguides are available in various lengths, cross-sections, and with borescope connectors or 90° mirror attachment at the light exit.

YOUR BENEFITS

Two LED modules for UV and white light, independently controlled

Pure UV light free of white light, realized by a dedicated optical system design

Compliant with NDT standards for LED lights

Seven adapters to match most common industry light guides

Compact design, lightweight, and quiet

CONFORMITY

ASTM E3022-15
RRES 90061
MTV 1030-1

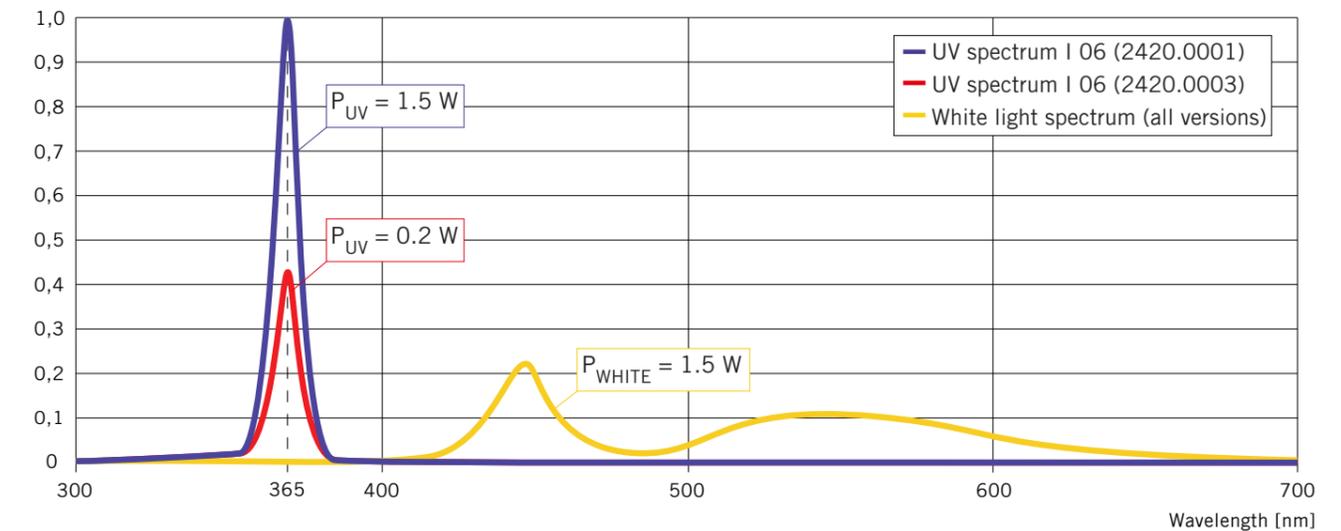
BAYONET LIGHT GUIDE ADAPTER FOR:

ACMI
Lumatec D
Machida
Olympus
Schölly/Volpi
Storz
Wolf



SPECTRUM

Relative Units



OPTICAL PROPERTIES

SUPERLITE I 06 model no.:	2420.0001	2420.0003
UV max. optical power:	1500 mW	200 mW
UV Working distance*:	9 - 44 cm	3 - 18 cm
UV Peak wavelength:	365 ± 5 nm	
UV Residual white light:	< 5 lx	
White light max. optical power:	1500 mW	
White light color temperature:	5700 K	
(measured with series 300 liquid lightguide, Ø5 mm x 1500 mm)		

*standard-compliant, corresponding to irradiance of 5000 / 1200 µW/cm²

TECHNICAL DATA

Power supply:	110–240 VAC/50-60 Hz
Power consumption:	45 W max.
LED service life:	> 10,000 h.
Dimensions (WxHxD):	150x135x210 mm
Weight:	2.5 kg
Sound pressure level (at 1m):	45 dB(A)
Operating temperature:	+10 °C to +35 °C
Storage temperature:	-10 °C to +60 °C

