

High Power LED

MULTILED G-S8



- For macro- and microscopy
- Pulsed light down to 50ns (color LED) and 100ns (white LED)
- White LED or color LED
- Up to 8 separate LED heads synchronised
- Substitute for laser based lighting

THE G-S8 IS THE ULTIMATE LED SOLUTION FOR HIGH SPEED CAMERA **MACRO APPLICATIONS**. PERIOD.

MultiLed products cover all applications of high speed cameras and many applications in the machine vision market. Some family members e.g. cover sub microsecond exposure time, monochromatic light or give you enough light to fully close aperture at some microseconds exposure time. Designed from a decade of experience with thousands of customer projects in mind, MultiLed products offer ultra strong lighting at an affordable price.

MULTILED G-S8 - KEY FEATURES

- Up to 120 million Lux in the focus point with 8 heads (depending on LED color and working distance).
- Depending on camera sensitivity, closed aperture at below 1 microsecond exposure can be achieved.
- Touchscreen controller for configuration.
- Position up to 8 „S3/xf LED heads“ freely around your application.
- Active cooling , 5% duty cycle continuously (white LED), 10% (color LED).
- BNC, TTL, pulse width controlled up to 1.4 MHz.
- Option on request: 1 several hundred microseconds pulse for ultra highspeed cameras up to 10 fps.

G-S8 LED TYPES	
Color	Med Wavelength nm
White	white
Royal Blue	458
Blue	475
Green	528
Amber	595
Red Orange	615
Red	625
Photo Red	660



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Max intensity at focus	8 x 15 Million LUX (depending on color)
Emitter	S3/xF (LED head) 14 High Power per head
Overdrive Power	8 x 450 W (white, internally)
Supply Voltage	48 V
Bundled Power Supply	Standard Desktop PS 320 W
Luminous Flux	8 x 27,500 (white)
Power Connector	ODU 2 pin
Heat Dissipation	active cooling integrated
Environmental temp. (operation)	-25° - 40° C (depending on duty cycle)
Environmental temp. (storage)	-25° - 80° C
Overheat Protection	sensors on board. Turns off at 70°C
Environmental Protection	as IP 20
Mounting Options	1/4" UNC 20, 90° to each other & 2 x 4 m4 90° to each other
Standard Lenses	fix
Dimensions	S3/xF LED head: 52 x 68 x 81mm Controller: 200 x 135 x 52mm
Weight	1.800 g
Max frequency	1.4 MHz
Strobe	BNC TTL
Rise / fall time	Color LED: rise 20, fall 20, delay 130ns, shortest usable pulse 20 ns White LED: rise 200, fall 200, delay 130ns, shortest usable pulse 50 ns

All specifications without guarantee, errors and omissions expected, subject to changes

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