GSVITEC

High Power LED
MULTILED R-S8

PRELIMINARY

- **For macro- and microscopy**
- **Pulsed light down to 40 nanoseconds**
- **White LED or color LED**
- **Motorized adjustable working distance**
- **Substitute for laser based lighting**

THE R-SERIES IS THE ULTIMATE LED SOLUTION FOR HIGH SPEED CAMERA MACRO APPLICATIONS. PERIOD.

MultiLed produts 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 R-S8 RING LIGHT - KEY FEATURES

- Up to 120 million Lux in the focus point (depending on LED color and working distance).

- Depending on camera sensitivity, closed apperture at below 1 microsecond exposure can be achieved.

- Touchscreen controller for configuration.

- Motorized z-axis focus control from 0mm to 400mm. Motorized x and y axis position control of the light beam.

- Inner diameter 100mm, outer diameter 250mm, height 112mm incl. connectors. 2*standard 1/4" threads on the side (90° to each other)

- Actively cooled , 3 % duty cycle continuously for up to 1 min more on request. Continuous operation at 1% duty cycle.

- BNC, TTL, pulse width controlled up to 2 MHz

R-S8 LED TYPES

Color	Med Wavelenght nm
White	white
Royal Blue	458
Blue	475
Green	528
Amber	595
Red Orange	615
Red	625
Photo Red	660

MultiLED R-S8

MULTILED R-S8	
Max intensity at focus	120 Million Lux / depending on color
Emitter	112 High Power Leds
Power Consumption	12.000W (White) -
Supply Voltage	40 Vdc (depends on color)
Bundled Power Supply	Standard Desktop PS 150 W
Luminous Flux	white, 220.000 Lumen
Power Connector	ODU 2 pin
Heat Dissipation	active cooling integrated
Environmental temp. (operation)	-25° - 40° C
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
Standard Lenses	15° full angle / round
Dimensions	Outer diameter 250mm, inner diameter 100mm, height 112mm including connectors
Weight	1.800 g
Max frequency	2 MHz
Strobe	BNC TTL pulse width controlled
Rise / fall time	80 ns / 80 ns