



- High-G LED solution
- Up to 8 lamp heads
- Exchangeable battery pack

**3x - 20x more usable light than predecessor G9 unit with 50% less power consumption due to greatly increased optical performance.**

## **WE BUILD THINGS THAT WORK THE WAY YOU WISH THEY WOULD.**

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 CG8-SET - KEY FEATURES**

- CG8 control unit supplies power for 1 to 8 „CG8-L1“ lamp heads.
- CG8 battery pack attached to CG8 control unit (exchangeable).
- Charging input in CG8.
- BNC TTL input:
  - first edge triggers predefined pulse duration up to 50 seconds (e.g. break off cable at experiment start).
  - or synchronize strobe to camera exposure.
- 50 seconds of continuous operation with 8 lamp heads at 100% power. Or more when pulsed.
- LCD display for control and monitoring.
- 100G.
- Field exchangeable lens to adapt the cone diameter.



## Multiled CG8-SET

MULTILED CG8	
Max no. of lamp heads	8 x CG8-L1
Supply Voltage	18 - 21 V
Bundled Power Supply	21 V / 1A
Shock	100 G
Delay / rise and fall time	100 / 200 ns
Environmental temp. (operation)	0°C - 35°C
Temp. (storage)	-10°C - +50°C (keep battery at room temperature for long term storage)
Overheat Protection	An overheated CG8-L1 lamp head will shut down the device. By standard, this function is disabled, as on crash tests it is better to probably loose a lamp head than having no light on the experiment during the critical moment.
Environmental Protection	as IP 40
Mounting Options	Baseplate mounted
Dimensions	139mm x 152mm x 105,6mm
Weight	2.350 g
Setup via LCD and rotary dial	Yes
Setup via RS 485 remote control	Yes
Battery capacity	420 seconds at 100 %
Battery Type	Lithium ion
Battery pack exchangeable	Yes
Battery pack reload	Via front M8 connector
Trigger input	M8
Cables	Only 1 cable from generator to lamp head, 3m or 5m (x8); 5m cables for charging, strobe input and enable input

MULTILED CG8-L1 lamp head	
Emitter	5 High Power LED
Luminous Flux	white, 6.000 lumen
Power consumption	60 W
Supply Voltage	18 - 21 V
Bundled Power Supply	CG8 control unit
Power Connector	M8
Heat Dissipation	passive, no heatsink or fan
Environmental protection	as IP 40
Mounting Options	4 * M4, 2 * M55
Standard Lenses	17° x 17° symmetrical
Dimensions	50mm x 50mm
Weight	156 g

### Exchangeable lenses (optional):

45° x 20°

60° x 19°

60° x 35°

95° x 30°

17° x 17°

35° x 35°

63° x 63°

82° x 82°

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