



- Exchangeable lenses
- 130 W high power color LED
- Pulsed or continuous
- Small size
- Down to 250 ns strobe

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 models 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 CX - KEY FEATURES

The MultiLed CX is a standalone lamp head for continuous operation. With the optional MultiLed GX8 controller connected between power supply and lamp head, you can access a lot more functionality:

- Preinstalled lens (horizontal x vertical): 19°x19°
- Additional lenses (horizontal x vertical): 35°x35° - 45°x45° - 60°x60° - 30°x19° - 60°x19°
- Standard desktop power supply with 7 m cable included
- Color and NiR LED models available.
- ~ 130 W 48V
- Continuous operation (pulsed operation available with GX8 controller)
- Bottom 1/4" standard thread for photographic accessories and mount
- Status LED
- Uses MULTILED GEN4 System cable

Advanced features when connected to MultiLed GX8 as power supply:

- New GS Vitec „ultra high speed strobe“ technology.
- Down to 170 nanoseconds strobe length at full output power
- Pulse delay: 290 ns (level mode); 700 ns +/- 20 ns (edge mode)
- Pulse rise time: 60 ns
- Pulse fall time: 160 ns
- Shortest usable pulswidth: 170 ns
- Adjustable intensity for each channel: 1% to 100%
- Temperature and status display for each lamp head
- All communications and power supply come from the GX8 through 1 MULTILED GEN4 System cable

Scope of delivery:

- CX: Lamp head, desktop power supply, 7m cable, 19°x19° lens
- CX Plus: as CX, additional lenses: (horizontal x vertical): 35°x35° - 45°x45° - 60°x60° - 30°x19° - 60°x19°
- CX Set: 2-8 x CX lamp head, 1 x GX8 controller, power supply with 7m cable, 320 W (2 CX); 600 W (3-4 CX); 2 x 600 W (5-8 CX), 2 x 5m trigger cable, full lens sets of (horizontal x vertical): 35°x35° - 45°x45° - 60°x60° - 30°x19° - 60°x19° for each lamp head.

455 nm

470 nm

530 nm

620 nm

660 nm

730 nm

810 nm

850 nm

940 nm



VALUE SERIES

MULTILED CX

Luminous flux	By Color see table
Power	~ 130 W depends on color
Supply voltage	48 Vdc
Bundled PS	Desktop, 48 V, 160 W
Connector	MULTILED GEN4 system
Heat dissipation	Active, heatsink and 2 fans
Environmental temp. (operation)	-25°C - 40°C
Temp. (Storage)	-25°C - 80°C
Overtemperature protection	Sensor onboard
IP class	IP 20
Mounting options	1/4" thread
Standard lenses	19° FWHM, exchangeable
Optional lenses (CX Plus)	35°x35° - 45°x45° - 60°x60° - 30°x19° - 60°x19° (horizontal x vertical)
Dimensions	78 * 104 * 64 mm
Weight	650 g
Setup	MultiLED GX8 controller
LED	36
Housing	Aluminium
Light modes	Continuous, level, timed
Light intensity	Adjustable, 1%..100%

Timing with GX8

	CX color
Delay (level mode)	290 ns
Delay (edge mode)	700 ns +/- 20 ns
Rise time	25 ns
Fall time	15 ns
Shortest usable	100 ns

AVAILABLE LED COLORS

Color	Peak wavelength nm	Radiant flux mW
Blue	440 - 460	60.000
Light blue	460 - 480	45.000
Green	520 - 540	18.000
Red	615 - 630	23.500
Photo red	640 - 670	43.600
Far red	710 - 750	35.000
NiR 810 nm	~ 810	50.200
NiR 850 nm	~ 850	55.600
NiR 940 nm	~ 940	51.300

For a more narrow wavelength selection, please contact us.

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