



- Exchangeable lenses
- 12.000 lm white, color or NiR 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 QX - KEY FEATURES

The MultiLED QX 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): 12°x12°
- Additional lenses (horizontal x vertical): 25°x25° - 40°x40° - 60°x60° - 30°x13° - 60°x12°
- 12.000 Lumen
- Standard desktop power supply with 7 m cable included
- White, color and NiR LED models available. Additional colors available with CX model
- 150W 48V
- Continuous operation
- 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:

- QX: Lamp head, desktop power supply, 7m cable, 12°x12° lens
- QX Plus: as QX, additional lenses: (horizontal x vertical): 25°x25° - 40°x40° - 60°x60° - 30°x13° - 60°x12°
- QX Set: 2-8 x QX lamp head, 1 x GX8 controller, power supply with 7m cable, 320 W (2 QX); 600 W (3-4 QX); 2 x 600 W (5-8 QX), 2 x 5m trigger cable, full lens sets of (horizontal x vertical): 25°x25° - 40°x40° - 60°x60° - 30°x13° - 60°x12° for each lamp head.

white

455 nm

530 nm

660 nm

810 nm

850 nm

940 nm



VALUE SERIES

MULTILED QX

Luminous flux	White, 12.000 lumen
Power	150 W
Supply voltage	48 Vdc
Bundled PS	Desktop, 48 V, 160 W
Connector	MULTILED GEN4 system
Heat dissipation	Active, heatsink and 2 fans
Einvironmental 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	12° FWHM, exchangeable
Optional lenses (QX Plus)	25°x 25°, 40° x 40°, 60° x 60°, 30° x 13°, 60° x 12° (horizontal x vertical)
Dimensions	78 * 104 * 64 mm
Weight	650 g
Setup	MultiLED GX8 controller
LED	12
Housing	Aluminium
Light modes	Continuous, level, timed
Light intensity	Adjustable, 1%..100%

Timing with GX8

	QX white	QX color
Delay (level mode)	290 ns	290 ns
Delay (edge mode)	700 ns +/- 20 ns	700 ns +/- 20 ns
Rise time	60 ns	25 ns
Fall time	160 ns	15 ns
Shortest usable	170 ns	100 ns

ALTERNATIVE LED TYPES (STANDARD: COLD WHITE 12.000 lm)

Color	Peak wavelength nm	Luminous flux lm	Radiant flux mW
95 CRI White	Warm white	6.600	-
Blue	440 - 460	-	46.200
Green	520 - 540	-	9.300
Photo red	640 - 670	-	30.200
NiR 810 nm	~ 810	-	25.100
NiR 850 nm	~ 850	-	22.500
NiR 940 nm	~ 940	-	24.800

For other red wavelengths please see CX datasheet.
For a more narrow wavelength selection, please contact us.