



3 X HIGHER INTENSITY THAN MT

- Exchangeable lenses
- 50.000 lm white, color or NiR LED
- Pulsed or continuous
- Small size
- Down to 200 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 MX - KEY FEATURES

The MultiLed MX is a standalone lamp head for continuous operation. With the optional MultiLed G8 controller connected, 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°
- 50.000 lumen
- Standard desktop power supply with 7 m cable included
- White, color and NiR LED models available.
- 550W 48V
- Continuous operation
- Bottom and top 3/8" standard thread for photographic accessories and mount
- Status LED
- Uses MULTILED GEN4 System cable

Advanced features when connected to MultiLed GX8:

New GS Vitec „ultra high speed strobe“ technology.
Supply power directly from GX8 for up to 2 MX lamp heads
Control up to 8 MX from one GX8 controller (with power injectors)

- Down to 170 nanoseconds strobe length at full output power
- Pulse delay: 290 ns (level mode); 700 ns +/- 50 ns (edge mode)
- Pulse rise time: 60 ns (white); 25 ns (color)
- Pulse fall time: 160 ns (white); 15 ns (color)
- Shortest usable pulswidth: 170 ns (white); 100 ns (color)
- Strobe on pulse duration or flank selectable
- Adjustable intensity for each channel: 1% to 100%
- Temperature and status display for each lamp head
- All communications and trigger come from the G8 through 1 Ethernet cable

Scope of delivery:

- MX: Lamp head, desktop power supply, 7m cable, 12°x12° lens
- MX Plus: As MX, additional lenses: (horizontal x vertical): 25°x25° - 40°x40° - 60°x60° - 30°x13° - 60°x12°
- MX Set: 2-8 x MX lamp head, 1 x GX8 controller, 2-8 x 600 W power supplies with 7m cable, 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 MX

Luminous flux	White, 50.000 lumen
Power	550 W
Supply voltage	48 Vdc
Bundled PS	Desktop, 48 V, 600 W
Connector	1x molex micro-fit 3.0
Heat dissipation	Active, heatsink and fan
Environmental temp. (operation)	-25°C - 40°C
temp. (Storage)	-25°C - 80°C
Overtemperature protection	Sensor onboard
IP class	IP 20
Mounting options	3/8" thread
Standard lenses	12° x 12° (horizontal x vertical)
Optional lenses (MX Plus)	25° x 25°, 40° x 40°, 60° x 60°, 30° x 13°, 60° x 12° (horizontal x vertical)
Dimensions	207 * 140 * 88 mm
Weight	1.950 g
Setup	Standalone or with GX8 controller
LED	52
Housing	Aluminium
Light modes	Continuous, pulse duration, flank mode with predefined strobe time
Light Intensity	Adjustable, 1%-100%/Off

Also available: MX (Outdoor housing)



ALTERNATIVE LED TYPES (STANDARD: COLD WHITE 50.000 lm)

Color	Peak wavelength nm	Luminous flux lm	Radiant flux mW
95 CRI White	Warm white	30.000	-
Blue	440 - 460	-	180.000
Green	520 - 540	-	42.000
Photo red	640 - 670	-	131.000
NiR 810 nm	~ 810	-	109.000
NiR 850 nm	~ 850	-	100.000
NiR 940 nm	~ 940	-	108.000

For a more narrow wavelength selection, please contact us.

Timing with GX8

	QX white	QX color
Delay (level mode)	290 ns	290 ns
Delay (edge mode)	700 ns +/- 50 ns	700 ns +/- 50 ns
Rise time	60 ns	25 ns
Fall time	160 ns	15 ns
Shortest usable	170 ns	100 ns

