



- 500.000 lm overdrive
- Color LED available
- Changeable lenses
- Low duty cycle pulsed operation only
- Down to 250 ns strobe
- High-G or IP67 options

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 L50X - KEY FEATURES

- For pulsed operation at low duty cycle only. With 7,5 kW LED power, e.g. at 10 kHz and 1 μs exposure time only 75 W are used.
- Power consumption limited to 320 W
- White or Color LED
- Very homogenous illumination
- Preinstalled lens (horizontal x vertical): 18°x18°
- Additional lenses (horizontal x vertical): 27°x27° - 45°x45° - 63°x63° - 35°x19° - 63°x18°
- Predefined delay and duration on rising or falling flank
- Power supply 320 W with 5 m cable with 8 Pin GEN4 connector included
- **Options:**
 - Longer cables or other cable types on request
 - LiPo Battery pack on request.

Advanced features when connected to MultiLED GX8 as power supply:

- Adjustable intensity for each channel: 1% to 100%
- Temperature and status display for each lamp head
- On/Off for each channel
- Strobe on TTL flank mode with predefined delay and duration
- With GX8 Touch, RS-485 connection is available (example software and SDK included).
- All communications and power supply come from the GX8 through 1 MULTILED GEN4 System cable

ALTERNATIVE LED TYPES (STANDARD: COLD WHITE 12.000 lm)

Color	Peak wavelength nm	Luminous flux lm	Radiant flux mW
95 CRI White	Warm white	240.000	-
Blue	440 - 460	-	1.675.000
Light Blue	460 - 480	-	705.000
Green	520 - 540	-	300.000
Red	615 - 630	-	500.000
Photo red	640 - 670	-	1.000.000
Far red	710 - 750	-	530.000
NiR 810 nm	~ 810	-	800.000
NiR 850 nm	~ 850	-	720.000
NiR 940 nm	~ 940	-	793.000

For a more narrow wavelength selection, please contact us.



MultiLED L50X

MULTILED L50X

Luminous Flux / overdrive mode	White 500.000 lm
Overdrive power	max 7.5 kW
Supply Voltage	48 V
Bundled PS	Desktop, 48 V, 320 W
Heat Dissipation	50 W without active cooling option 480 W with active cooling option (heatsink and fan)
Environmental temp. (operation)	80° C is the safe operating limit for the Leds, where they units turn off. The environmental temperature determines how long the units can work, so you will have much longer operation times starting at -25° env. temp. than on 40°.
temp. (storage)	-25 - 70° C
Overheat Protection	sensor onboard 85° C
Designed to meet:	Depending on housing
Mounting Options	Depending on housing
Standard Lenses	18° full angle / round
Alternative Lenses upon time of order	27°, 45°, 63°, asymeric 35°x19° / 63°x18°
Dimensions	250 x 170 x 32 mm
Weight	1.760 g
Outdoor version weight and size	without active cooling: 3.550 g 300x200x47 mm with active cooling: 4950 g 300x200x120 mm * 14 mm depth for tripod adapter
delay / rise and fall time	L50 X color: delay GX8 to L50X: 700ns-750 ns / rise 230 ns / fall 56ns
LEDs	256 LEDs w. changeable lenses

Housing suggestions

PRODUCT	ORDER CODE
Outdoor upgrade, designed to meet IP67	gsv-L50-hou-pcal
Outdoor upgrade, designed to meet IP67, with active cooling	gsv-L50-hou-pcal-fn
Particle polluted vacuum upgrade L50-XF	gsv-hou-vacpart-med
300°C+ Temperature upgrade AL for L50-XF	gsv-hou-300-AL-med
300°C+ Temperature upgrade V4A for L50-XF	gsv-hou-300-V4A-med

