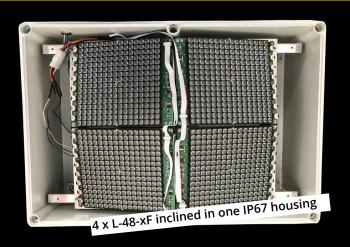4 x L-48-xF inclined in one IP67 housing

- **512.000 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 produts 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 L48-xF - KEY FEATURES

- For pulsed operation at low duty cycle only. With 8,5 kW output, e.g. at 8 kHz and 1 μs exposure time only 70 W are used.

- Power consumption limited to 70 W.

- Flat design (16 mm)

- White or Color LED.

- Very homogenous illumination.

- 15°, 30°, 50°, 70° or 120° FWHM lenses available.

- Pulsed by TTL pulse duration.

- Power supply 60 W with 5 m cable with 2 x 4 Pin M8 connector included.

- Options:
  - Longer cables or other cable types on request
  - LiPo Battery pack on request.
  - IP67 housing optional
  - High-G housing optional (100G)

- Colors available / output in overdrive:

Cool-White		512.000 lm

Other white types on request up to 90 cri, 6200 - 2700 K

Royal-Blue	450 - 460 nm	1.250.000 Flux(mW)
Blue	465 - 485 nm	100.000 lm
Green	520 - 535 nm	230.000 lm
Amber	560 - 650 nm	170.000 lm
Red-Orange	610 - 620 nm	200.000 lm
Red	620 - 630 nm	165.000 lm
Photo-Red	650 - 670 nm	855.000 Flux(mW)

MultiLED L48-xF

MULTILED L48-xF	
Luminous Flux / overdrive mode	White, nominal 170.000 lm / overdrive 512.000 lm
Overdrive power	max 8.5 kW
Supply Voltage	30 V - 48 V - Depending on LED Color
Bundled PS	Desktop, 30 - 48 V, 60 W
Heat Dissipation	depending on housing
Environmental temp. (operation)	90° 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 - 90° C
Overheat Protection	sensor onboard 85° C
Designed to meet:	Depending on housing
Mounting Options	Depending on housing
Standard Lenses	15° full angle / round
Alternative Lenses upon time of order	30°, 50°, 70°, 120°
Dimensions	197x166x16mm
Weight	260 g
IP/HG version weight and size	available on request
delay / rise and fall time	220 ns/ 90 ns
LEDs	256 LEDs w. changeable lenses
Other signals	OK signal output TTL
	Strobe input TTL
	Strobe output TTL
	Enable input TTL

Housing suggestions

PRODUCT	ORDER CODE
High G upgrade L48-xF	gsv-hou-HG100-med
IP 67 upgrade Polycarbonate/ABS for outdoor, L48-xF	gsv-hou-ip67-med-pc
IP 67 upgrade Aluminium housing L48-xF	gsv-hou-ip67-med-al
Particle polluted vacuum upgrade L48-xF	gsv-hou-vacpart-med
300°C+ Temperature upgrade AL for L48-xF	gsv-hou-300-AL-med
300°C+ Temperature upgrade V4A for L48-xF	gsv-hou-300-V4A-med