



- 1.800.000 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 L180-xF - KEY FEATURES

- For pulsed operation at low duty cycle only. With 30 kW output, e.g. at 8 kHz and 1  $\mu$ s exposure time only 240 W are used.
- Power consumption limit depends on heatdump.
- Flat design (20 mm, version without heatdump)
- White or Color LED.
- Very homogenous illumination.
- 15°, 25°, 45°, 75° or 120° FWHM lenses available. Changeable lenses.
- Pulsed by TTL pulse duration.
- Power supply 100 W with 5 m cable with 4 Pin Molex connector included.
- Options:
  - Longer cables or other cable types on request
  - IP67 housing optional
  - High-G housing optional (100G)
  - High temperature housing optional
  - Vacuum chamber housing optional
- Colors available / output in overdrive:

Cool-White		1.800.000 lm
Other white types on request up to 90 cri, 6200 - 2700 K		
Royal-Blue	450 - 460 nm	3.660.000 Flux(mW)
Blue	465 - 485 nm	240.000 lm
Green	520 - 535 nm	540.000 lm
Amber	560 - 650 nm	455.000 lm
Red-Orange	610 - 620 nm	615.000 lm
Red	620 - 630 nm	438.000 lm
Photo-Red	650 - 670 nm	3.000.000 Flux(mW)



### MultiLED L180-xF

MULTILED L180-xF	
Luminous Flux / overdrive mode	White, overdrive 1.800.000 lm
Overdrive power	max 30 kW
Supply Voltage	30 V - 60 V - Depending on LED Color
Bundled PS	Desktop, 30 - 60 V, 100 W
Heat Dissipation	depending on housing
Environmental temp. (operation)	90° C is the safe operating limit for the Leds, where the 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
Replaceable Lenses	15°, 25°, 45°, 75° Changable
Dimensions	400x300x20mm
Weight	500 g without housing
IP/HG version weight and size	available on request
delay / rise and fall time	220 ns/ 90 ns
Leds	892 LEDs w. changeable lenses

### Housing suggestions

PRODUCT	ORDER CODE
IP 67 upgrade Polycarbonate/ABS for outdoor, L180-xF	gsv-hou-ip67-xxl-pc
IP 67 upgrade Aluminium housing L180-xF	gsv-hou-ip67-xxl-al
Particle polluted vacuum upgrade L180-xF	gsv-hou-vacpart-xxl
300°C+ Temperature upgrade AL for L180-xF	gsv-hou-300-AL-xxl
300°C+ Temperature upgrade V4A for L180-xF	gsv-hou-300-V4A-xxl

