

ENDUSER PRICE LIST March 2024

Kvant Laser Germany

All following lasers are standard products. Custom design on request. Price includes an OEM driver. Specifications are subject to change w/o notice.

BLUE laser modules, 445 nm

| | | End User |
|-----------------------------|--|----------|
| BLM-3000B | P = 3 W, ϕ 3x3 mm, half angle div. 0.7/0.3 mrad | 1 470 € |
| BLM-4000B | P = 4 W, ϕ 5.5x4.5 mm, half angle div. 0.7/0.2 mrad | 1 600 € |
| BLM-6000B | P = 6 W, ϕ 6x4.5 mm, half angle div. 0.7/0.2 mrad | 2 110 € |
| BLM-9000B | P = 9 W, ϕ 6x6 mm, half angle div. 0.7/0.3 mrad | 2 970 € |
| BLM-12kB | P = 12 W, ϕ 6x6 mm, half angle div. 0.7/0.3 mrad | 3 440 € |
| BLM-24kB | P = 24 W, ϕ 11x10 mm, half angle div. 0.7/0.3 mrad | 5 470 € |
| BLM-30kB-HS | P = 30 W, ϕ 12x10 mm, half angle div. 1.1/0.3 mrad, incl. heat sink | 7 400 € |

BLUE COMBO laser modules, 445&460 nm – low divergence

| | | End User |
|---------------------------|--|----------|
| BLM-11kLD | P = 11 W (6W of 445nm, 5W of 460nm), ϕ 5.5x5.5 mm, half angle div. 0.4/0.3 mrad | 5 170 € |

BLUE laser modules, 455 nm, square beam

| | | End User |
|--------------------------|---|----------|
| BLM-20kF | P = 20 W, ϕ 6x7 mm, half angle div. 0.6 mrad | 3 360 € |
| BLM-30kF | P = 30 W, ϕ 7x7 mm, half angle div. 0.6 mrad | 3 760 € |
| BLM-50kF | P = 50 W, ϕ 6x7 mm, half angle div. 0.6 mrad | 6 140 € |

GREEN DIODE laser modules, 525 nm

| | | End User |
|---------------------------|--|----------|
| GLM-2500N | P = 2.5 W, ϕ 3.5x3.5 mm, half angle div. 0.5/0.2 mrad | 1 790 € |
| GLM-4000N | P = 4 W, ϕ 5x4.5 mm, half angle div. 0.6/0.2 mrad | 2 160 € |
| GLM-5500N | P = 5.5 W, ϕ 5x4.5 mm, half angle div. 0.6/0.2 mrad | 2 590 € |
| GLM-8000N | P = 8 W, ϕ 6x5.5 mm, half angle div. 0.5/0.3 mrad | 3 710 € |
| GLM-11kN | P = 11 W, ϕ 6x5.5 mm, half angle div. 0.5/0.2 mrad | 4 390 € |

GREEN DIODE laser modules, 525 nm, square beam

| | | End User |
|--------------------------|---|----------|
| GLM-7kF | P = 7 W, ϕ 5x5 mm, half angle div. 0.6 mrad | 3 260 € |
| GLM-14kF | P = 14 W, ϕ 6x6 mm, half angle div. 0.5 mrad | 5 910 € |
| GLM-17kF | P = 17 W, ϕ 7x6 mm, half angle div. 0.5 mrad | 6 840 € |

RED laser modules, 637 nm

| | | End User |
|------------------|--|----------|
| RLM-350L | P = 350 mW, ϕ 3x3 mm, half angle div. 0.2 mrad | 1 270 € |
| RLM-700L | P = 700 mW, ϕ 2.5x3.5 mm, half angle div. 0.5 mrad | 1 830 € |
| RLM-1000L | P = 1000 mW, ϕ 3.5x3.5 mm, half angle div. 0.5 mrad | 2 110 € |
| RLM-2000L | P = 2000 mW, ϕ 3.5x3.5 mm, half angle div. 0.5 mrad | 2 840 € |
| RLM-3000L | P = 3000 mW, ϕ 5x3.5 mm, half angle div. 0.5 mrad | 3 470 € |
| RLM-4000L | P = 4000 mW, ϕ 4x5 mm, half angle div. 0.5 mrad | 4 390 € |
| RLM-5000L | P = 5000 mW, ϕ 5x5 mm, half angle div. 0.5 mrad | 5 490 € |
| RLM-6000L | P = 6000 mW, ϕ 5.5x5 mm, half angle div. 0.5 mrad | 6 010 € |
| RLM-7000L | P = 7000 mW, ϕ 6x5 mm, half angle div. 0.5 mrad | 6 870 € |

RED laser modules, 638 nm, square beam

| | | End User |
|------------------|--|----------|
| RLM-6kF | P = 6 W, ϕ 5x7 mm, half angle div. 0.5 mrad | 3 710 € |
| RLM-7p5kF | P = 7.5 W, ϕ 6x7 mm, half angle div. 0.5 mrad | 4 240 € |
| RLM-9kF | P = 9 W, ϕ 7x7 mm, half angle div. 0.5 mrad, | 4 840 € |
| RLM-12kF | P = 12 W, ϕ 9x7 mm, half angle div. 0.5 mrad, | 6 840 € |

RED-GREEN-BLUE laser modules

| | | End User |
|-------------------|--|----------|
| RGB-2000DM | Full diode RGB module, OEM aluminum housing Blue: 445nm, 1.2W, ϕ 5.2x4.5 mm, 0.4/0.2 mrad Green: 525nm, 700mW, 5.2x4.5 mm, 0.35/0.2 mrad Red: 637nm, 400mW, 3.5x4.5 mm, 0.2 mrad | 1310 € |
| RGB-3000DM | Full diode RGB module, OEM aluminum housing Blue: 445nm, 1.5W, ϕ 4.5x4.5 mm, 0.4/0.2 mrad Green: 525nm, 1300mW, 4x3.5 mm, 0.4/0.2 mrad Red: 637nm, 750mW, 3.5x4.5 mm, 0.2 mrad | 1790 € |
| RGB-3400DM | Full diode RGB module, OEM aluminum housing Blue: 445nm, 1.5W, ϕ 4.5x4.5 mm, 0.4/0.2 mrad Green: 525nm, 1300mW, 4x4.5 mm, 0.4/0.2 mrad Red: 637nm, 1100mW, 3.5x4.5 mm, 0.3 mrad | 1870 € |

RED-GREEN-BLUE laser modules, square beam

| | | End User |
|-------------------|---|----------|
| RGB-6kF-AI | P = 6 W, ϕ 5x7 mm: Blue: 455 nm, 2.5 W, 0.6 mrad Green: 525 nm, 2 W, 0.5 mrad Red: 638 nm, 1.5 W, 0.5 mrad | 2740 € |
| RGB-10kF | P = 11 W, ϕ 6x7 mm: Blue: 455 nm, 5 W, 0.6 mrad Green: 525 nm, 3 W, 0.5 mrad Red: 638 nm, 3 W, 0.5 mrad | 4790 € |
| RGB-18kF | P = 18 W, ϕ 7x7 mm: Blue: 455 nm, 8.5 W, 0.6 mrad Green: 525 nm, 5.5 W, 0.5 mrad Red: 638 nm, 4 W, 0.5 mrad | 5660 € |

QUATTRO - FLOURESCENT MICROSCOPY laser modules

| | | End User |
|-----------------|--|----------|
| RYCV-200 | P = 200 mW (50 mW each color), λ = 405/488/561/637 nm, φ 4 mm, TEM00 | 16 590 € |
| RYCV-600 | P = 600 mW (150 mW each color), λ = 405/488/561/637 nm, φ 4 mm, TEM00 | 22 990 € |

Solid state laser modules



| | | End User |
|----------------|--|----------|
| OLM-180 | DPSS laser module, P > 180 mW, 607nm, φ 3.2 mm, half angle div. 0.16 mrad | 2 910 € |
| RLM-400 | DPSS laser module, P > 400 mW, 639nm, φ 2.8 mm, half angle div. 0.17 mrad | 2 910 € |

LABORATORY laser modules, 375-2000 nm



| | | End User |
|--------------------|---|----------|
| 375LM-70 | P = 70 mW, λ = 375 nm, φ 4 mm, half angle div. 0.2 mrad | 5 570 € |
| 375LM-200 | P = 200 mW, λ = 375 nm, φ 3 mm, half angle div. 0.6 mrad | 5 570 € |
| 375LM-200U | P = 200 mW, λ = 375 nm, φ 3 mm, half angle div. 0.6 mrad | 3 700 € |
| 375LM-400 | P = 400 mW, λ = 375 nm, φ 3 mm, half angle div. 0.9 mrad | 7 430 € |
| 375LM-800 | P = 800 mW, λ = 375 nm, φ 3 mm, half angle div. TBD | 7 290 € |
| 395LM-120 | P = 120 mW, λ = 395 nm, φ 4 mm, half angle div. 0.2 mrad | 6 000 € |
| 405LM-200 | P = 200 mW, λ = 405 nm, φ 4 mm, half angle div. 0.2 mrad | 1 270 € |
| 405LM-300 | P = 300 mW, λ = 405 nm, φ 4 mm, half angle div. 0.2 mrad | 1 640 € |
| 405LM-600 | P = 600 mW, λ = 405 nm, φ 4x4 mm, half angle div. 0.5 mrad | 1 640 € |
| 405LM-1k | P = 1000 mW, λ = 405 nm, φ 4x4 mm, half angle div. 0.6 mrad | 2 070 € |
| 405LM-1.2k | P = 1.2 W, λ = 405 nm, φ 4x4 mm, half angle div. 0.8 mrad | 7 290 € |
| 405LM-2.5k | P = 2.5 W, λ = 405 nm, φ 4x4 mm, half angle div. TBD | 7 290 € |
| 405LM-2.5kP | P = 2.5 W, λ = 405 nm, φ 4x4 mm, half angle div. TBD | 2 790 € |
| 415LM-120 | P = 120 mW, λ = 415 nm, φ 4 mm, half angle div. 0.2 mrad | 6 000 € |
| 425LM-120 | P = 120 mW, λ = 425 nm, φ 4 mm, half angle div. 0.2 mrad | 6 000 € |
| 445LM-100 | P = 100 mW, λ = 445 nm, φ 4 mm, half angle div. 0.2 mrad | 1 270 € |
| 445LM-500 | P = 500 mW, λ = 445 nm, φ 4 mm, half angle div. 0.2 mrad | 6 000 € |
| 458LM-500 | P = 500 mW, λ = 458 nm, φ 4 mm, half angle div. 0.2 mrad | 6 000 € |
| 445LM-1.5k | P = 1.5 W, λ = 445 nm, φ 4x4 mm, half angle div. 0.5 mrad | 1 270 € |
| 445LM-3.5k | P = 3.5 W, λ = 445 nm, φ 3x4 mm, half angle div. 1.4 mrad | 1 410 € |
| 455LM-5k | P = 5 W, λ = 455 nm, φ 4x4 mm, half angle div. 1.3 mrad | 1 570 € |
| 462LM-1.4k | P = 1.4 W, λ = 462 nm, φ 4x4 mm, half angle div. 0.5 mrad | 1 300 € |
| 465LM-4k | P = 4 W, λ = 465 nm, φ 3x4 mm, half angle div. 1.3 mrad | 1 570 € |
| 473LM-100 | P = 100 mW, λ = 473 nm, φ 4x4 mm, half angle div. 0.2 mrad | 5 570 € |
| 473LM-1k | P = 1 W, λ = 473 nm, φ 4x4 mm, half angle div. 0.5 mrad | 6 000 € |
| 488LM-60 | P = 60 mW, λ = 488 nm, φ 4x4 mm, half angle div. 0.2 mrad | 1 410 € |
| 488LM-200 | P = 200 mW, λ = 488 nm, φ 4x4 mm, half angle div. 0.2 mrad | 7 430 € |
| 488LM-2k | P = 2 W, λ = 488 nm, φ 3x4 mm, half angle div. mrad | 7 430 € |
| 520LM-120 | P = 120 mW, λ = 520 nm, φ 4 mm, half angle div. 0.2 mrad | 1 270 € |
| 525LM-1.4k | P = 1.4 W, λ = 525 nm, φ 3x3.5 mm, half angle 0.6x0.2 mrad | 1 410 € |
| 532LM-1.3k | P = 1.3 W, λ = 532 nm, φ 3x3.5 mm, half angle 0.6x0.2 mrad | 3 860 € |
| 622LM-150 | P = 150 mW, λ = 622 nm, φ 4 mm, half angle 0.6x0.2 mrad | TBD |
| 633LM-100 | P = 100 mW, λ = 633 nm, φ 4 mm, half angle div. 0.2 mrad | 2 210 € |
| 637LM-180 | P = 180 mW, λ = 637 nm, φ 4 mm, half angle div. 0.2 mrad | 1 270 € |

| | | |
|------------|--|---------|
| 638LM-600 | P = 600 mW, λ = 638 nm, ϕ 5x5 mm, half angle 1x0.2 mrad | 1 410 € |
| 638LM-1k | P = 1 W, λ = 638 nm, ϕ 5x5 mm, half angle 1.2x0.2 mrad | 1 410 € |
| 638LM-1.2k | P = 1.2 W, λ = 638 nm, ϕ 5x5 mm, half angle 2.3x0.2 mrad | 1 410 € |
| 638LM-1.5k | P = 1.5 W, λ = 638 nm, ϕ 5x5 mm, half angle 2.8x0.2 mrad | 1 600 € |
| 660LM-200 | P = 200 mW, λ = 660 nm, ϕ 4 mm, half angle div. 0.2 mrad | 1 270 € |
| 660LM-1.2k | P = 1.2 W, λ = 660 nm, ϕ 5x5 mm, half angle 2.8x0.2 mrad | 2 160 € |
| 808LM-1k | P = 1 W, λ = 808 nm, ϕ 4 mm, half angle div. 1.5x0.2 mrad | 1 410 € |
| 808LM-2k | P = 2 W, λ = 808 nm, ϕ 4 mm, half angle div. 3x0.2 mrad | 2 270 € |
| 1064LM-200 | P = 200 mW, λ = 1064 nm, ϕ 4 mm, half angle div. 0.2 mrad | 3 300 € |
| 1064LM-450 | P = 450 mW, λ = 1064 nm, ϕ 4 mm, half angle div. 0.2 mrad | 3 300 € |
| 1550LM-150 | P = 150 mW, λ = 1550 nm, ϕ 4 mm, half angle div. 0.2 mrad | 3 040 € |

LABORATORY laser modules - EQUIPMENT

| | | |
|---|---|----------|
| “-FC” | Fiber coupling – single diode module (input coupler, fiber 50um, output collimator) | + 1750 € |
| “-FC200” | Fiber coupling – multi diode module (input coupler, fiber 200um, output collimator) | + 1500 € |
| “-FCSM” | Fiber coupling – single mode, polarization maintaining fiber coupling (input coupler, SM PM fiber, output collimator) | + 2290 € |
| “-FCOPSL” | Fiber coupling – for OPSL OEM laser head (fiber \geq 50 um) | + 1850 € |
| “-HS” | Heat sink for low to medium power laser module | + 270 € |
|  | Module controller: diode current adjustment, external modulation, fixed diode temperature | 1200 € |
|  | Module controller: diode current and diode temperature adjustment, external modulation | 1370 € |
| Shutter | Manual mechanical shutter for the laser beam | + 99 € |
| Indust. PSU | Industrial OEM PSU, 24V/2.5A, TracoPower TXL 060-24S | 65 € |
| Deskt. PSU | Desktop PSU, 24V/2.5A, MeanWell GSM60A24-P1J | 49 € |
| Potentiometer | Manual potentiometer to adjust the laser beam intensity | + 50 € |

COHERENT OPSL lasers

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|-----------------------|---------|--|---|
| | |  |  |
| | | End User OEM* | End User BenchTop* |
| Genesis Taipan 460 SM | P = 2 W | \$17 160 | +4700 € |
| Genesis Taipan 460 MM | P = 2 W | \$15 430 | |
| Genesis Taipan 480 SM | P = 2 W | \$21 070 | |
| Genesis Taipan 480 MM | P = 2 W | \$18 830 | |
| Genesis Taipan 480 MM | P = 4 W | \$22 870 | |
| Genesis Taipan 488 SM | P = 3 W | \$21 820 | |
| Genesis Taipan 488 MM | P = 3 W | \$18 830 | |
| Genesis Taipan 488 MM | P = 5 W | \$22 870 | |
| Genesis Taipan 514 MM | P = 3 W | \$14 090 | |
| Genesis Taipan 514 MM | P = 5 W | \$17 740 | |
| Genesis Taipan 532 SM | P = 3 W | \$13 770 | |
| Genesis Taipan 532 MM | P = 3 W | \$12 480 | |
| Genesis Taipan 532 SM | P = 5 W | \$16 840 | |
| Genesis Taipan 532 MM | P = 5 W | \$15 150 | |

ϕ 2.3 mm, full angle div. 1.5 mrad for SM, <0.4 mrad for MM



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|-----------------------|-----------|--|----------|--|--|
| Genesis Taipan 532 MM | P = 8 W | | \$16 660 | | |
| Genesis Taipan 532 MM | P = 10 W | | \$19 060 | | |
| Genesis Taipan 577 SM | P = 3 W | | \$23 180 | | |
| Genesis Taipan 577 MM | P = 3 W | | \$19 960 | | |
| Genesis Taipan 577 MM | P = 5 W | | \$21 390 | | |
| Genesis Taipan 577 MM | P = 6 W | | \$27 640 | | |
| Genesis Taipan 561 MM | P = 2 W | | \$23 180 | | |
| Genesis Taipan 590 SM | P = 2 W | | \$19 100 | | |
| Genesis Taipan 590 MM | P = 3 W | | \$21 580 | | |
| Genesis Taipan 639 MM | P = 2.5 W | | \$27 240 | | |
| Genesis Taipan 639 MM | P = 5 W | | \$45 950 | | |

* The OEM modules include laser head, driver board, power supply, TEC, mounting base plate and heat sink.

^x The BenchTop version is a stand alone instrument