



Customized LEDs and LED Modules

We develop LEDs and modules – anything off the standard with a high optical precision, high optical efficiency, narrow beam angles, no bond wires in emission window.



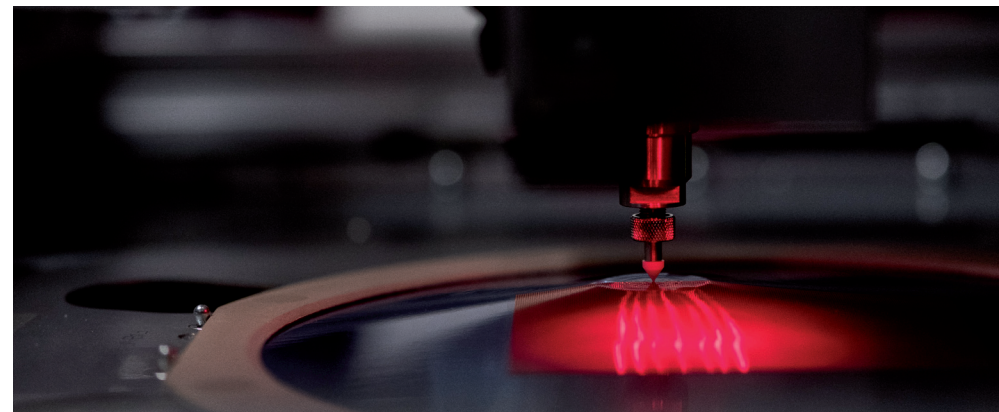
LED Chip Sorting

We offer customized sorting of LED dice in smaller to medium quantities. We sort from foil on gel pack or waffle pack and vice versa.

CONTACT

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CHIPS 4 LIGHT – CUSTOMIZED OPTOELECTRONICS OF TOP QUALITY

LED Chip Distributor, Integrator, Service Partner

Chips 4 Light distributes bare led dice, detector chips and lasers of renowned manufacturers. We develop special optoelectronic devices as well as customized modules.

As services we sort LED dice and characterize laser diodes with our own measurement set up.

LED CHIPS & DETECTORS

With our LED dice portfolio we cover all **wavelengths from UV to high infrared** and also offer **white LED** chips. As exclusive service we sort bare LED dice based on customer specification with our own die sorter equipment. We are an ISO 9001 certified distributor and cooperate with renowned manufacturers like Cree and Osram.



Our quality Silicon **Photodiodes** (390 - 1100 nm) and **Phototransistors** (440 - 1100 nm) have a high radiant sensitivity, are sensitive to visible and near infrared radiation and obtain a short switching time.

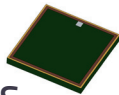
390 - 1100 nm



PHOTODIODES

silicon PIN, 20 - 120 mil
standard sensing and for ambient light detection, blue enhanced detection

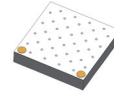
440 - 1100 nm



PHOTOTRANSISTORS

silicon NPN, 20 - 28 mil
standard sensing and for ambient light detection

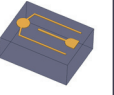
2.500 - 10.000 K



WHITE LED CHIPS

InGaN, 20 - 80 mil
conversion layer directly on chip,
vertical emitters

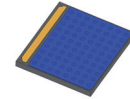
280 - 425 nm



UV LED CHIPS

InGaN, 8 - 60 mil
horizontal and vertical emitters,
flipchips

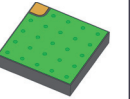
435 - 480 nm



BLUE LED CHIPS

InGaN, 6 - 80 mil
horizontal and vertical emitters,
flipchips

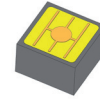
497 - 580 nm



GREEN LED CHIPS

InGaN, 6 - 60 mil
horizontal and vertical emitters,
flipchips

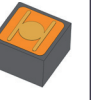
580 - 597,5 nm



YELLOW LED CHIPS

AllInGaP, 8 - 60 mil
vertical emitters

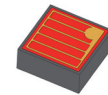
600 - 615 nm



ORANGE LED CHIPS

AllInGaP, 8 - 40 mil
vertical emitters

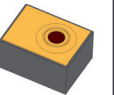
610 - 700 nm



RED LED CHIPS

AllInGaP, 8 - 60 mil
horizontal and vertical emitters,
point source

680 - 1000 nm



INFRARED LED CHIPS

AlGaAs, 8 - 40 mil
vertical emitters, point source,
IR 14 mil chips > 1000 nm available on request