

CEZOS

LED Technical Support



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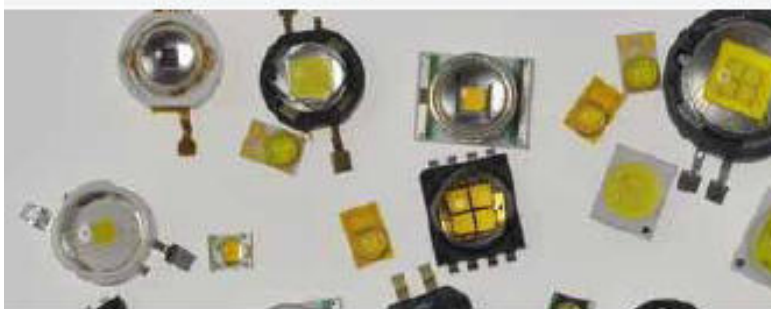
CEZOS has a qualified team of electronics engineers and designers who offer a full range of design and development services in the area of LED technologies in various applications since 2004.

We have completed several projects for manufacturers of:

- indoor, outdoor and garden lighting,
- illumination used in microscopes,
- fibreoptic illuminators,
- bathtubs, shower cabins and other utilities including RGB and RGBW lighting,
- special purpose medical lamps,
- street lamps,
- kitchen and bathroom furniture (aluminium profiles for ledstrips).

We design and deliver dedicated power supply, control and light dimming circuits for 350mA, 700mA and 1A circuits

Our designers take all key parameters into account while carrying the designing process to assure that the developed product meets the requirements of maximising the light intensity, minimising production costs as well as maintenance of thermal, power supply and design conditions.



Power LED

Our projects employ diodes supplied by Lumileds, Cree, Osram, Seoul Semi Conductor, Nichia, Citizen, Edison and others. Such a wide range of choice makes it possible to precisely select a suitable diode which matches a specific application and a customer's requirements.'

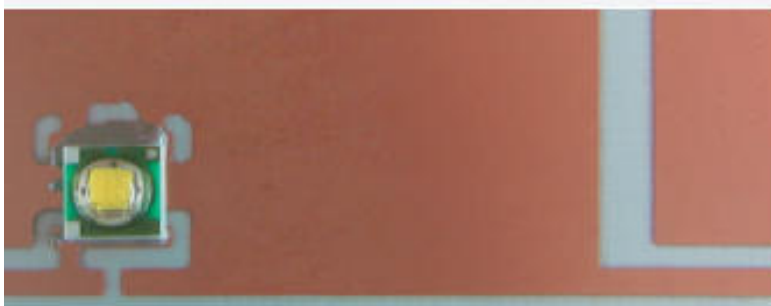
Every time we ledify an existing product or develop a new one, we provide the following services:

- Selection of the Power Leds that are most suitable for the specific project



Electronic design

- delivery of design and complete professional documentation which is required to develop MCPCB (an electronic diagram and manufacturing documentation (gerber files),



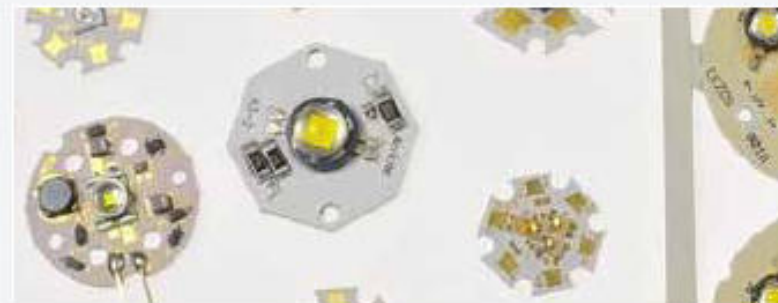
Samples of MCPCB

- Production of the MCPCB board master model within 24 hours (a photograph of such board),



MCPCB

- Delivery of a mass production batch of MCPCB,



Assemble service

- Installation of the Power LEDs on MCPCB boards,
- Testing the completed assembly of components,



Optic

- Selection and delivery of optical products from LEDIL, Khatode, Fraen , Polimer Optic or Carclo,



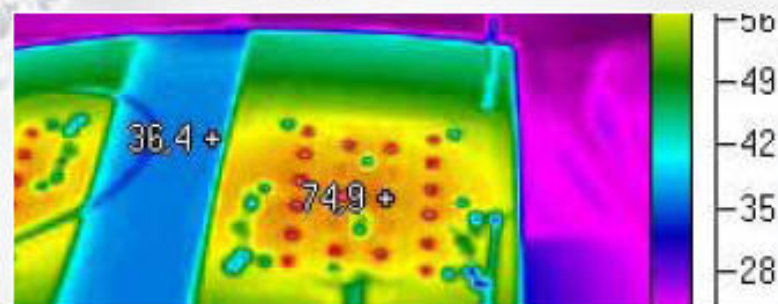
Contract electronic assembly

- Assembly of packages (Power LED, MCPCB and the optics into one whole)



Heat sink

- Delivery of documentation and production of aluminium components such as radiators or aluminium sheet enclosures with the use of CNC machines,



Thermal testing

- Running temperature tests of the manufactured prototype with a thermal imaging camera,



Design

- Designing current feeders, voltage feeders, RGB controllers, LED dimmers and other specialized circuits used for the LED technology.

CEZOS guarantees a high standard of services and a wide product range. Our services come with appropriate warranties.



CEZOS

LED Technical Support

Offer:

- Electronic projects for LED applications
- Gerber files
- Pick and place assemble
- 24 hours MCPCB service and mass production
- Thermal testing
- Power LED solution (Lumiled, Cree, SSC, Osram)
- Optic solution (Ledil, Fraen, Carclo, Khatode, Polymer Optics)
- Heat sink solution (Pinbloc, CNC)

"CEZOS", 81-534 Gdynia, ul. Olgierda 88/B, Poland
tel. + 48 58 / 664 88 61, fax + 48 58 / 664 66 65
e-mail: cezos@cezos.com
www.cezos.com