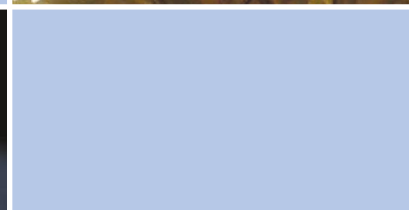
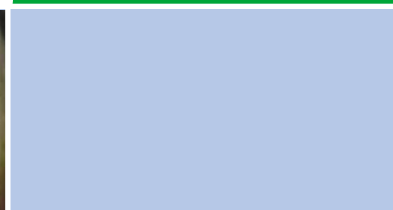
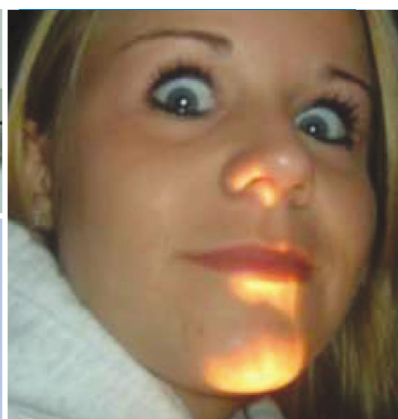


# flashlights

flashlights



**ERMEC**

Distribución de componentes eléctricos y electrónicos

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 **CML**  
INNOVATIVE TECHNOLOGIES  
WHERE INNOVATION COMES TO LIGHT



## As a flashlight producer what can CML do for you?

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- Selection of the optimum LED
- Thermal management of the complete flashlight essential for full LED life
- Constant current drives, step up voltage, auto shut off, maximising battery life and LED performance
- Calculation, design & light simulation of the optics or reflector
- Prototypes to validate the concept
- Measurement of light output, colour & evenness
- Assembly & delivery of the complete subassembly with LED, PCB, heat sink and lens

## as we did for Chrysler...

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an innovative combination of vehicle dome light and rechargeable flashlight...now standard in the Dodge Caliber



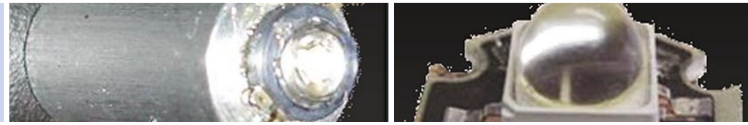
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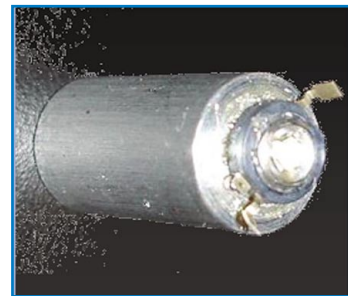
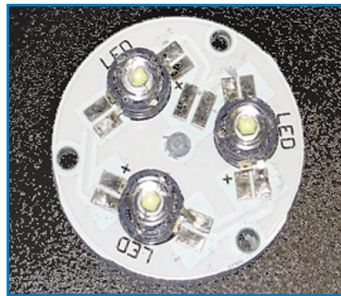
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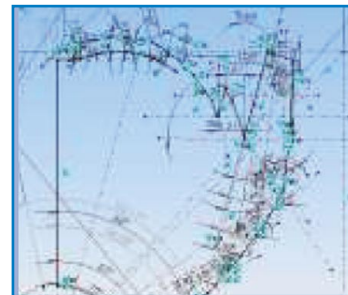
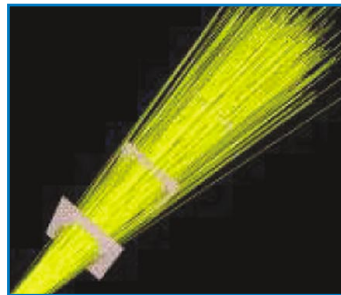
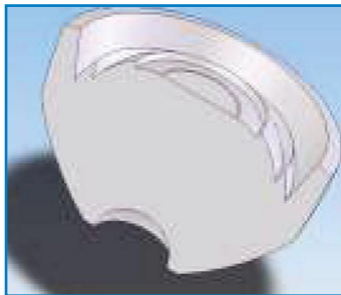
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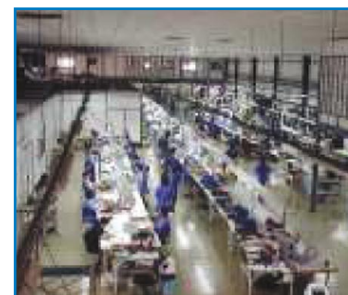
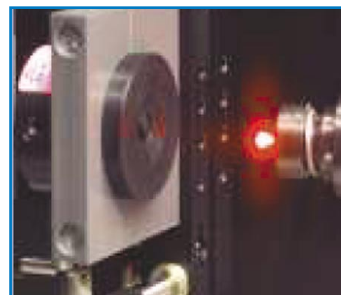
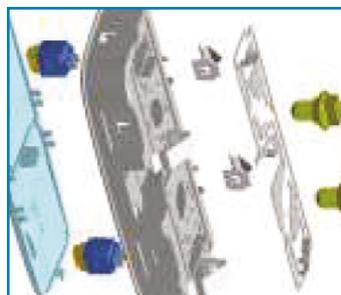
Based on your application, we supply specify LED's and heat sink optimising the performance of your product



Using our unique software systems software we can simulate the performance of both LED and optics



Thru rapid prototyping, test and measurement of results in our accredited labs, to manufacturing in our local but global manufacturing points



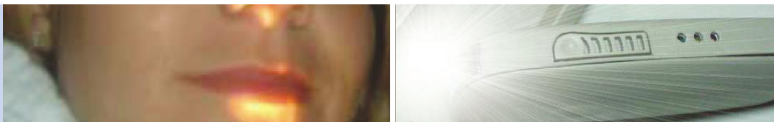
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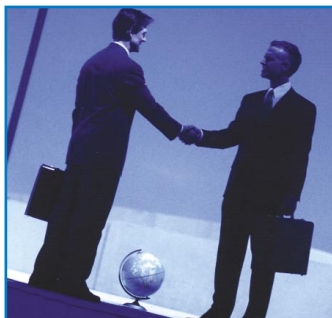
## What else can CML offer?

CMLs R&D is located worldwide. Our R&D centres in America, Asia and Europe collaborate to offer world class technology. Engineers from Guangzhho, Singapore, Bamberg, Bad Durkheim, Besanoon, Hackensack and New York collaborate to bring world class solutions to the market.

Our Corporate headquarters in Hackensack, NJ is an FAA accredited Aerospace facility providing lighting systems to Airlines and Aircraft builders in USA and across the globe.



Our low cost manufacturing centres in Costa Rico, China and the Czech Republic provide a 'local' manufacturing facility to meet our customers supply chain needs.



## we make LEDs easy...

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