



# Innovative NeoLight LED Multiplexer

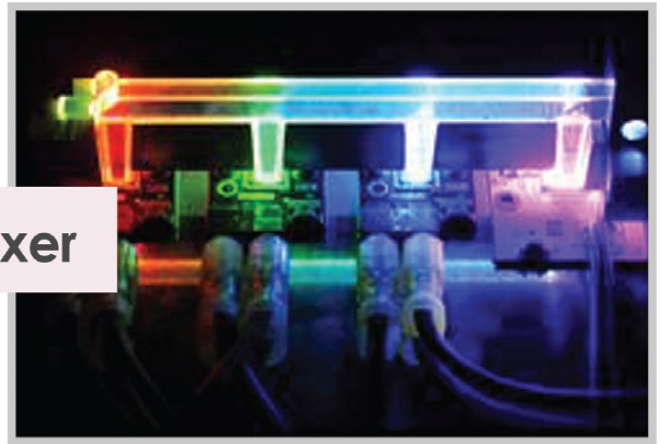
## Background

Cymtec's novel NeoLight LED Multiplexers leverage proprietary Advanced Energetic Deposition dielectric thin film optical coating processes and patent-pending design advantages to enable high output efficiency in a compact module for instrumentation applications. Using reliable, proven technology employed in fibre optic networks worldwide, the NeoLight product family provides high output LED mux solutions in a compact design.

NeoLight requires less space than traditional freespace LED mux optical architectures with comparable efficiency. Flexible design parameters can accommodate up to 6 LEDs. State of the art LED collection and proprietary combination optics deliver more usable light for your application. Custom and standard designs are available.

## Features:

- High multiplexing efficiency (typically 65% to 85%)
- Multiple wavelength multiplexer designs possible (3,4,5,6 etc)
- Excellent homogeneity of output
- Optional integrated filters to optimise LED emission range
- RoHS compliant
- Robust and long life design



## Applications:

- Etendue-limited applications
- DMD & LCD video projection
- RGB visual illumination
- Fluorescence
- Microplate imaging
- High-throughput screening
- Life Sciences (endoscopy etc)
- And many more

## Consultancy Service also available...

Cymtec also offer a wide ranging consultancy service which has already been utilised by many of our customers in order to aid them in their product development. The services we offer include optical design, electronic design, software design and mechanical/thermal management design. If you think you may require our services we are happy to initiate with an informal discussion.

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