



IP LICENSING

- IP Overview
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NEED SUPPORT?

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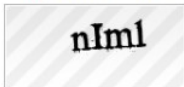
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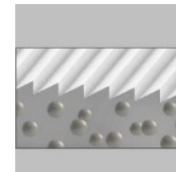
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MicroTEK™ Technology Platform

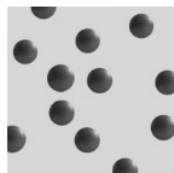
Light control on a micron scale

MicroTEK™ products utilize a unique collection of micron scale (smaller than a human hair) optical elements to diffuse, shape, reflect and manipulate light and colors in a broad range of LED lighting systems.



INTERNAL

Spherical Lenses



Spherical lenses are typically used to efficiently diffuse light into symmetrical or circular beam distributions. They also improve LED hiding power.

Elliptical Lenses



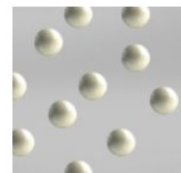
Elliptical lenses are used in a similar way to spherical lenses but can offer greater diffusion or LED hiding power in a certain direction.

Phosphors & QDs



Phosphors and quantum dots (QDs), when added, provide new levels of color control and spectral customization. Suited to either UV/Blue or White LED pump sources.

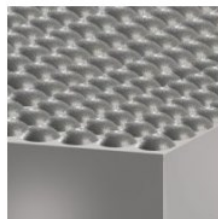
Reflectors



Efficient reflection in a wide range of base material is made possible using controlled micro voids or highly reflective micron scale particles.

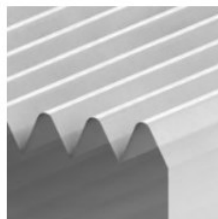
2-DIMENSIONAL EXTERNAL

Texture Surfaces



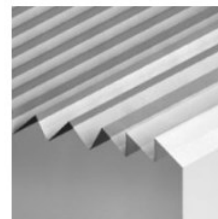
Textured shapes can be used to control glare and deliver a unique look and feel for high end lighting applications.

Prisms & Lenticulars



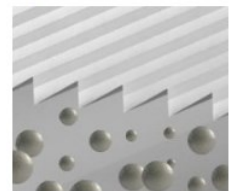
Linear prism and lenticular features deliver glare reduction and beam collimation; or beam splitting when inverted towards the light source.

Linear Fresnels



Linear Fresnel structures can collimate and shape light beams in linear LED systems in addition to off axis (asymmetric) beam tilting.

2-D plus Internal



Combination of external surface features with internal features provide enhanced performance.

3-DIMENSIONAL EXTERNAL

Conical Arrays

Pyramid Structures

Micro-Domes