



Low cost rigid injection molded Light Shaping Diffuser lenses can now be ordered from Luminit for high volume OEM LED lighting applications.

Lenses can be custom designed in a variety of shapes and sizes and in a variety of symmetrical and asymmetrical beam angles making them suitable for any LED module design such as recessed down-lights as well as Parabolic Aluminized Reflector (PAR) and Multi-faceted Reflector (MR) lamp formats. These lenses can be designed to fit a lamp or light fixture with the appropriate mechanical tabs or clips molded in.

The monolithic integration of Luminit's micro-structure into the exit window of a lamp results in a rigid lens with very high light transmission, a smooth frosted finish and a controlled beam pattern. Lenses can be produced at low cost in quantities of 10,000 or more.

These custom injection molded rigid lenses can reduce the cost of an LED lamp or fixture while providing increased value:



- They feature Luminite's patented holographically mastered nano-structures which provide very high transmission (85 to 92%) for maximum light output.
- They include a choice from a number of symmetrical and asymmetrical beam angles to create a lens that shapes the output beam as needed.
- The lenses can be designed with the appropriate mechanical tabs or clips molded in for faster, lower cost "snap together" assembly.
- They can be made with non-yellowing material for outdoor use or flame retardant material to meet UL/CE flame retardant ratings.
- They can be made to fit most LED module designs, lamp formats, down-lights, spotlights, flashlights and other lighting fixtures.

Specifications:

Lens/Optics Size	Up to 6.5 inches
Thickness	0.030 to 0.125 inches
Material	Polycarbonate, acrylic or other specified optical materials
Angles	Standard LSD angles
Quantity	10,000 or more
Transmission Efficiency	>85%
Approximate Lead Time	6 Weeks

Note that the specifications contained herein are subject to change without notice.



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