

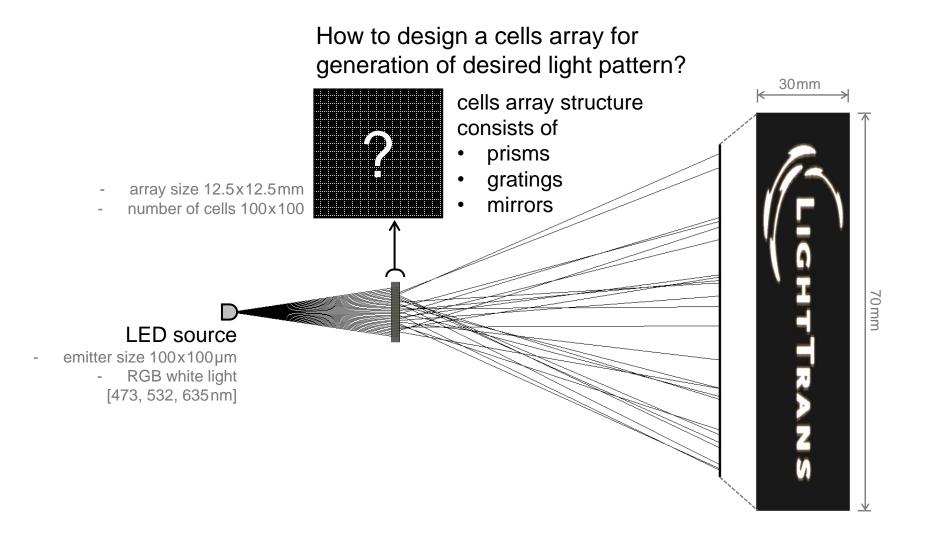
Shaping of White Light by Using Prism / Grating / Mirror Cells Arrays

Abstract

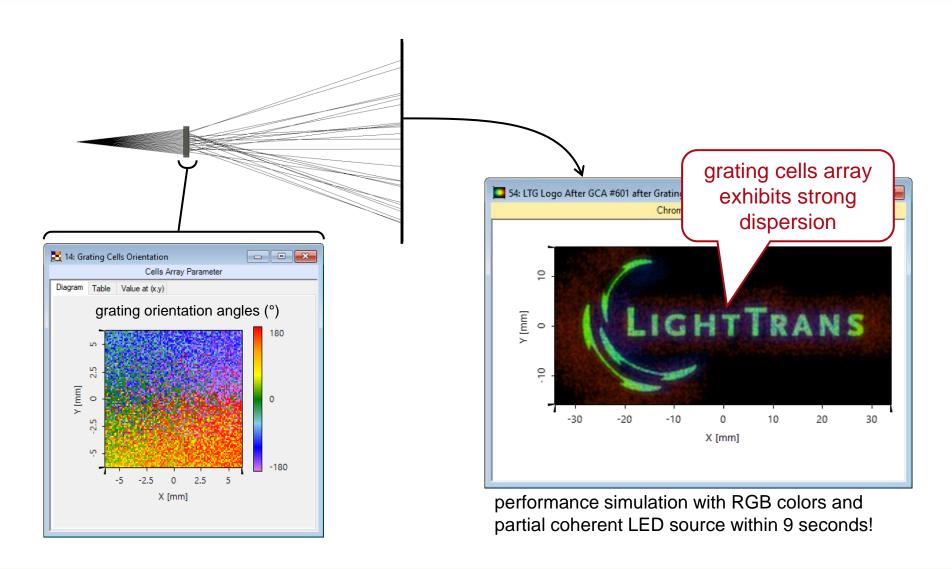


Micro-optical elements, like gratings, prisms and mirrors can be arranged to deflect light into expected direction and so to generate customized patterns. Such cells arrays are often used behind LED sources, and the design of cells arrays requires proper consideration on colors and coherence. In this example, cells arrays consisting of gratings, prisms and mirrors are designed to generate a LightTrans logo.

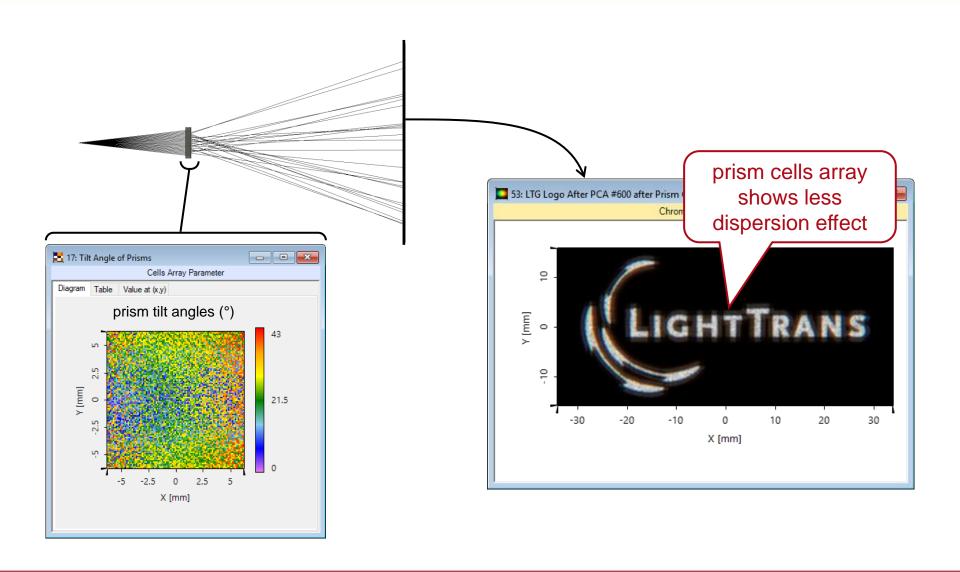
Design Task



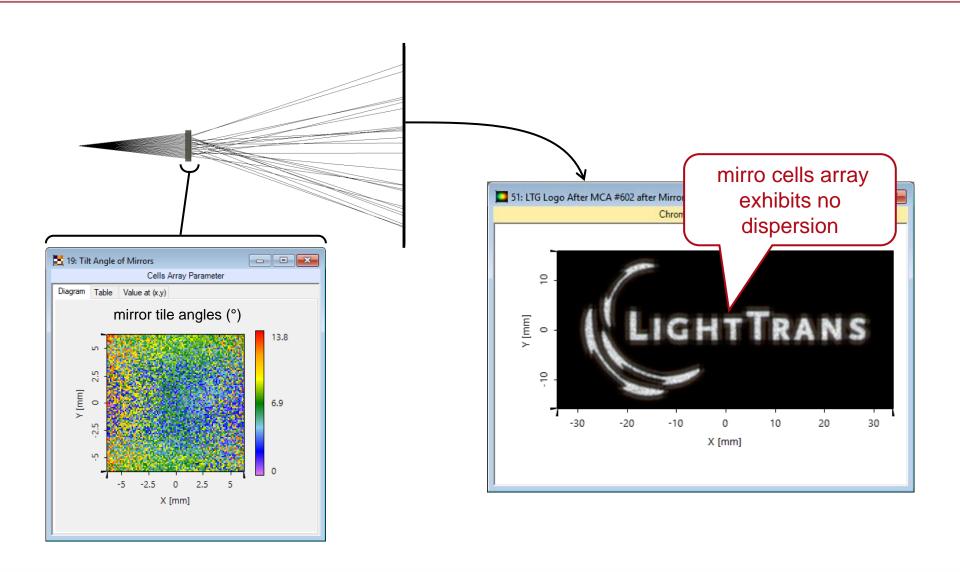
Results – Grating Cells Array



Results – Prism Cells Array



Results – Mirror Cells Array



Document Information

title	Shaping of White Light by Using Prism / Grating / Mirror Cells Arrays
version	1.0
VL version used for simulations	7.0.3.4
category	Application Use Case