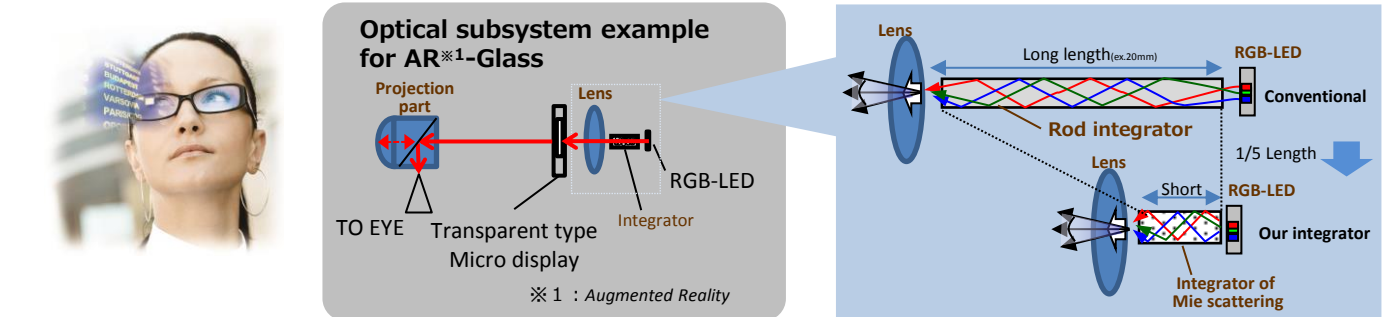


Light Mixing Integrator for AR Devices

Our light mixing integrator can emit an uniform light by scattering and integration of LED-RGB light source.

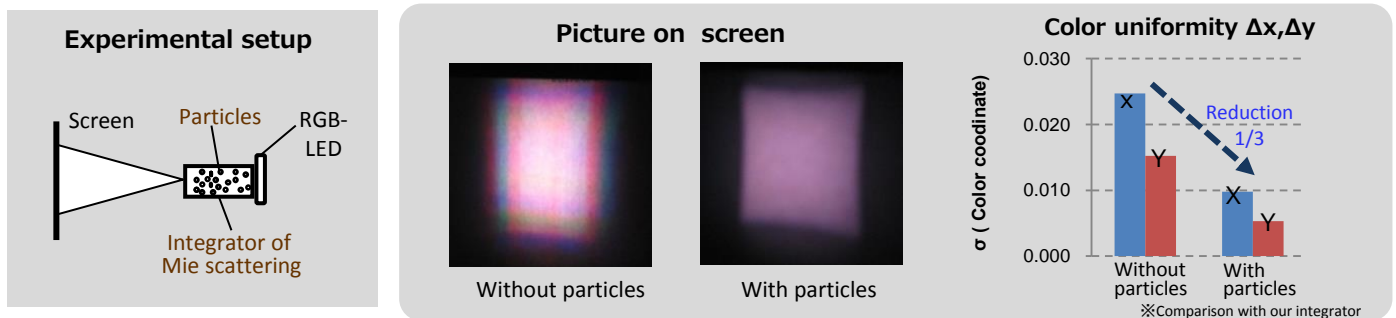
Point 1 **Compact design in the light mixing part** **1/5 of light mixing length**

Our integrator realize the 1/5 of light mixing length than that of transparent integrator.



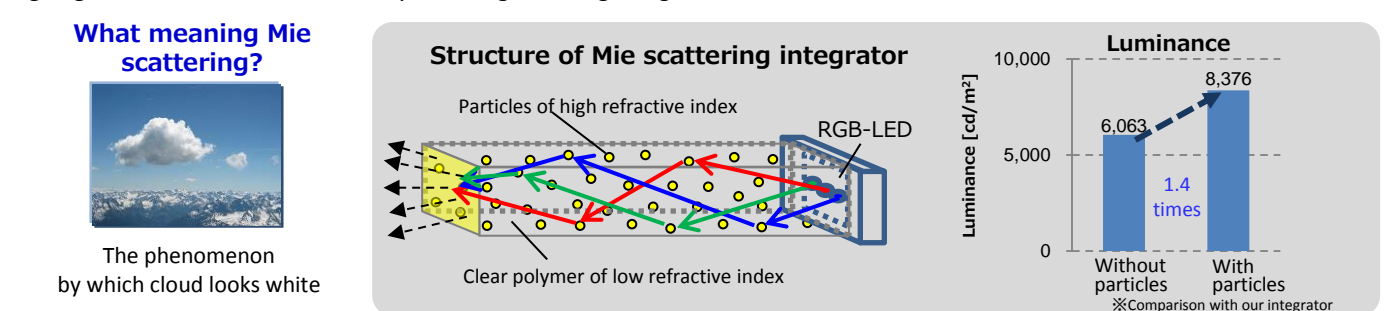
Point 2 **Realization of high color uniformity** **Color uniformity $\Delta x, y \pm 0.01$**

Our integrator will provide an image with no color irregularity.



Point 3 **Combination of Mie scattering and light trapping** **Luminance 8,000 cd/m²**

High light source utilization efficiency in our light mixing integrator will realize the outdoor use of AR devices.



Point 4 **Higher efficiency and higher power type (Under development)** **Efficiency 50%**
Luminance 270,000 cd/m²

We are developing higher light source utilization efficiency in our light mixing integrator for higher power light source.

Item	Contents
Size	W 1.05 mm x H 0.8 mm x L 4.0 mm W 2.1 mm x H 2.1mm x L 5.5 mm
Luminance	8376 cd/m ² → 32 times 270,000 cd/m²
Efficiency	15% → 3.3 times 50%

Upper:Normal , Lower:New type



Above mentioned contents and figures are based on examinations implemented by Hitachi Chemical Co., Ltd., but not guaranteed. Products specifications or appearance may be changed without previous notice.

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