

# SCHOTT RealView® 1.9 lightweight

**–20%** weight for  
an all-day wearing comfort



We proudly present the newest member of our SCHOTT RealView® family of high index wafers:

## SCHOTT RealView® 1.9 lightweight.

The light weight of a pair of Augmented Reality glasses is of utmost importance in order to increase device comfort. SCHOTT RealView® 1.9 lightweight boosts a major step in this direction by cutting weight by 20%. Even though glass materials usually follow a rough linear relationship between refractive index and density, SCHOTT was able to succeed in keeping the high refractive index of the AR industry standard SCHOTT RealView® 1.9 and simultaneously reducing the density by 20%. As genuine tailored glass wafers for Augmented Reality applications, they also feature superior mechanical and optical properties.

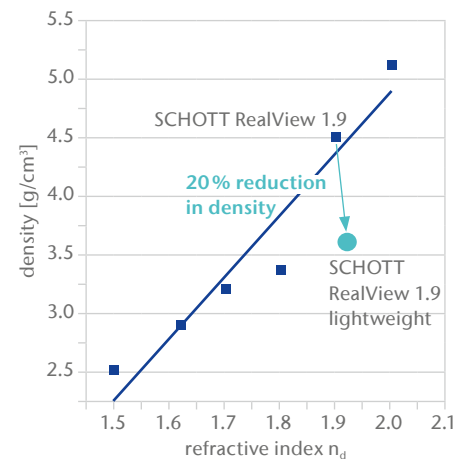
## How does SCHOTT RealView® 1.9 lightweight contribute to a next generation of comfort in AR devices?

- Enabling higher comfort AR devices by reducing waveguide weight
- Breakthrough in material science by excelling in both properties:  
**high refractive index** and **low density** at the same time
- Sum of properties is deliberately tailored to fit the AR industry's needs

## What are additional advantages?

- As a full member of the SCHOTT RealView® family, SCHOTT RealView® 1.9 lightweight is proven on EVG's SmartNIL® technology
- Index matched resin available at our partner INKRON
- Tailored for high mechanical robustness ensuring high yield in processing and a superior end user experience
- AR industry track record in mass production of wafers consistently fulfilling the highest quality standards

SCHOTT RealView® glass wafers with a high refractive index are a vital part of the AR/MR display unit that enables an immersive user experience and is determining image quality. SCHOTT offers the broadest product portfolio of the industry with refractive indices from 1.5 to 2.0 at wafer diameters of 100, 150, 200 and 300 mm.



SCHOTT RealView® 300 mm wafer nanoimprinted

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**SCHOTT**  
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