



SCHOTT
glass made of ideas

LiDAR systems
inspired by
BOROFLOAT® 33

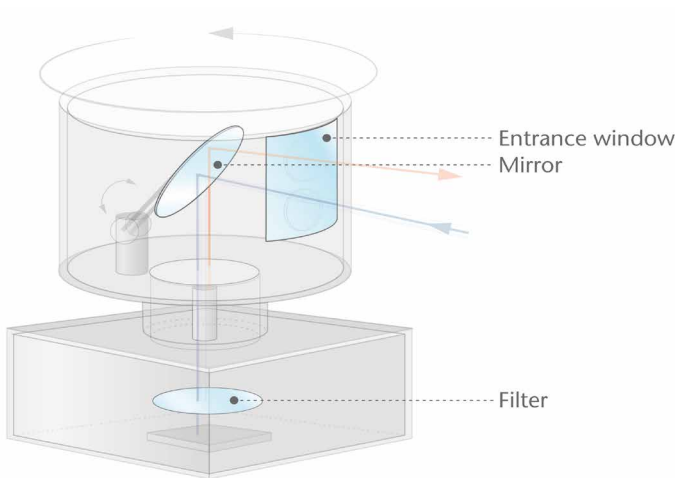
In touch with the future

LiDAR systems inspired by BOROFLOAT® 33

In touch with the future

The reliable and consistent quality of BOROFLOAT® 33, coupled with an outstanding versatility to address the demands of even the most sophisticated applications, make BOROFLOAT® 33 a perfect specialty glass solution also for LiDAR systems. It combines superior quality and excellent flatness with outstanding thermal, optical, chemical and mechanical features.

BOROFLOAT® 33 – The sum of its properties is what makes it unique!



3 components of a traditional LiDAR unit could be made of BOROFLOAT® 33 borosilicate glass.

Crystal clear benefits of BOROFLOAT® 33

Entrance window

- Exceptionally high transparency
- High chemical durability
- Outstanding thermal resistance/ stability
 - Low thermal expansion even in lowest temperature ranges
- Excellent mechanical strength
 - Strong resistance to abrasion and scratches

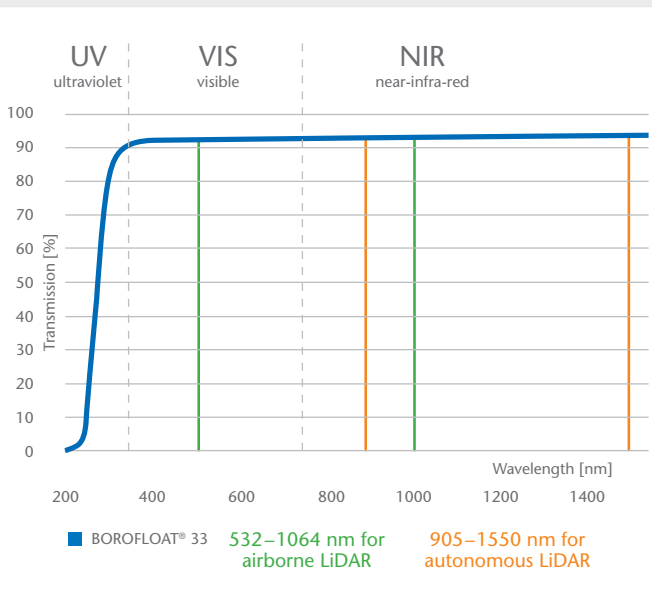
Mirror (Beamsplitter)

- Very good temperature stability
- Excellent resistance to thermal shock

Filter

- Significantly increased transparency for colorless visual appearance
- Low color shift in VIS-Transmission
- Low Coefficient of Linear Thermal Expansion (C.T.E. $3.25 \cdot 10^{-6} \text{ K}^{-1}$)
- Excellent flatness due to unique Microfloat process

Significantly increased transparency



Resistance to abrasion and scratches

