

# Crystal30

3<sup>RD</sup> GENERATION

## New Experiences. Ready Today.

Increasing productivity is within reach for the innovators looking to push the boundaries of extended reality. Whether they are integrated into smartglasses, smart helmets or other head worn devices, DigiLens' 3<sup>rd</sup> generation of the Crystal30 waveguides allow for the natural integration of digital data to be added to the physical world. These waveguides are the brightest and most efficient on the market and they are socially acceptable with the lowest measured eye glow. They are available in glass or plastic substrates and support realistic production volumes at a consumer price point.

### Waveguide Specifications

**FIELD-OF-VIEW**

26° (H) x 15° (V); 30° (DIAG)

**ANSI CONTRAST**

>40:1

**EYE BOX**

12mm (H) x 10mm (V)

**EFFICIENCY**

UNPOLARIZED: >400 nits/lumen average <sup>\*1</sup>

POLARIZED: >800 nits/lumen average <sup>\*1</sup>

**EYE GLOW**

<8%

**ORIENTATION**

Landscape

**TRANSPARENCY**

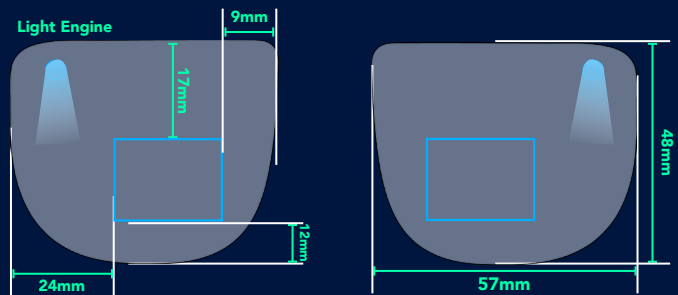
>85%

**EYE RELIEF**

28mm <sup>\*2</sup>

**FOCUS DISTANCE**

Infinity



\*All above values are rounded for summary purposes

### Mechanical

**THICKNESS**

2.4mm

**LAYERS**

3 (R,G,B)

**WAVEGUIDE TILT**

0°

**CONFIGURATION**

Temple mounted

Available  
2023 Q1

Waveguide compatible with both Unpolarized (microLED/DLP) and Polarized (LCoS) projection engines.

<sup>\*1</sup> Average of Field and Eyebox

<sup>\*2</sup> Compatible with ophthalmic inserts.

The Waveguide Bringing Next-Generation Computing and Remote Experts to Enterprise



**NOW SEEING IS BELIEVING**

Contact [sales@digilens.com](mailto:sales@digilens.com) for additional information