

Crystal30

3RD GENERATION

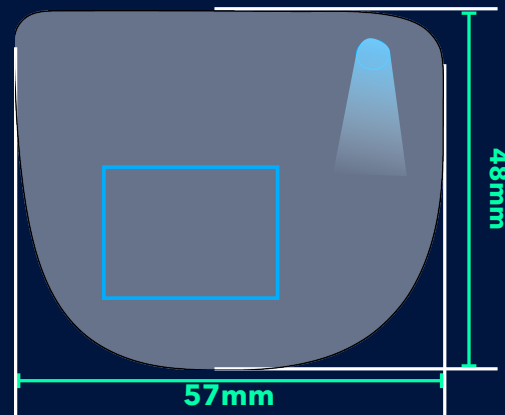
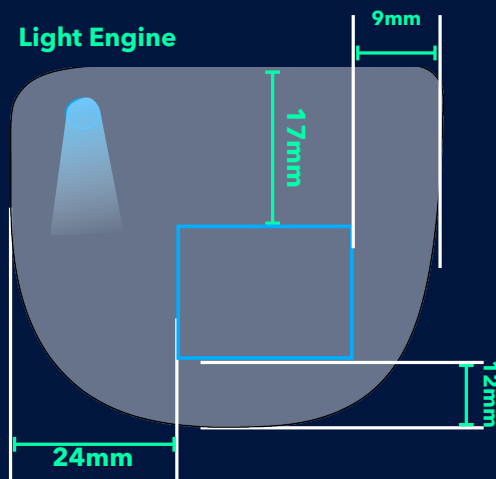
New experiences ready today

Unlock greater productivity and innovation with DigiLens' 3rd generation Crystal30 waveguides. Seamlessly integrate digital content into the physical world, whether building smartglasses, smart helmets, or any headworn device.

AVAILABLE NOW
sales@digilens.com

KEY FEATURES

- **Exceptional Image Quality:** Delivers high-resolution, vivid imagery
- **Market-Leading Brightness and Efficiency:** Among the brightest and most energy-efficient waveguides available
- **Ultra-Low Eye Glow:** Achieves the lowest measured eye glow in its class, ensuring user privacy and comfort
- **Versatile Integration:** Compatible with a wide range of light engines to meet diverse customer requirements
- **Scalable Manufacturing:** Supported by DigiLens' global licensee network, enabling high-volume, cost-effective production to meet market demand



**All above values are rounded for summary purposes*

Specifications

FIELD-OF-VIEW
30° (D); 26° (H) x 15° (V)

EYE BOX
12mm (H) x 10mm (V)

TRANSPARENCY
>85%

EYE RELIEF
28mm^{*2}

FOCUS DISTANCE
Infinity

THICKNESS
2.4mm

LAYERS
3 (R/G/B)

CONFIGURATION
Temple mounted

Waveguide compatible with both unpolarized (μ LED/DLP) and polarized (LCoS) projection engines.

	UNPOLARIZED (n/L)	POLARIZED (n/L)
AVG LUM EFF ^{*3}	1000 +/- 10%	2000 +/- 10%
PEAK LUM EFF ^{*3}	1750 +/- 10%	3500 +/- 10%

Measurements per Information Display Measurement Std (IDMS)

^{*1} Average of Field and Eyebox

^{*2} Compatible with ophthalmic inserts.

^{*3} Alpha grade