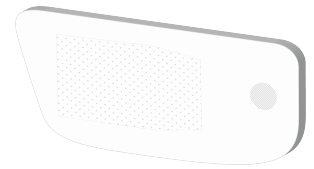


28° WAVEGUIDE SPECIFICATION SHEET



OVERVIEW

| Parameter | Typical | Unit | Comment |
|---|--|---------------------------|--------------------------|
| Field of View | 28° (14 x 25) | Degrees (hor. x vert.) | Diagonal (side injected) |
| LED centre wavelengths & bandwidth (FWHM) | R: 620 (15) G: 530 (74) B: 460 (26) | nm | |
| Input pupil diameter | 3.5 | mm | Circular |
| Image focus distance | Infinity | | |
| Eye Relief | >20 | mm | |
| Eye-box | 15 x 10 | mm | at 20mm eye relief |

DESIGN CHARACTERISTICS

| Parameter | Value | Unit | Comment |
|---------------|-------|---------------|-------------------------|
| Efficiency | 400 | Nits/lumen | |
| MTF | 18 | Cycles/degree | ≥30% contrast |
| Transmittance | 80+ | % | |
| Contrast | 40:1 | 0 | ANSI white checkerboard |

MECHANICAL PROPERTIES

| Parameter | Value | Unit | Comment |
|---------------|------------------------|------|----------------------|
| Dimensions | 63 x 27 | mm | Tolerance +/-0.15mm |
| Thickness | 3.1 | mm | |
| Weight | 14.1 | g | Dependent on outline |
| Shape outline | Custom design possible | | |

ENVIRONMENTAL MAXIMUM RATINGS

| Parameter | Value | Unit | Comment |
|-----------------------------|-----------|------|---------|
| Thermal cycling | -40 to 70 | °C | 336hrs |
| High temp. storage | 70 | °C | 336hrs |
| Low temp. storage | -40 | °C | 336hrs |
| High temp./humidity storage | 60/90 | °C/% | 336hrs |
| Operating temperature | 0-40 | °C | |



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