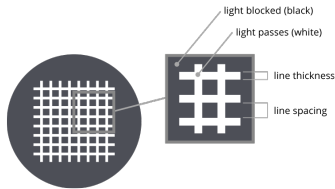


PTGR050450P | DATASHEET

Grid pattern, Photolithography



SPECIFICATIONS

| Type | Grid | |
|----------------------|-------------------|------|
| Process | Photolithography | |
| Substrate | Soda lime glass | |
| Coating | Chrome on glass | |
| Line spacing | (mm) | 0.45 |
| Line thickness | (mm) | 0.05 |
| Dot size | (mm x mm) | - |
| Geometrical accuracy | (μm) | 2 |
| Edge sharpness | (μm) | 1.4 |

Circular aperture (LTPR)

| | | |
|-----------------|------|---------|
| Active Area | (mm) | 11 |
| Number of lines | | 22 x 22 |
| Max line length | (mm) | 11 |

Square aperture (LTPRSM)

| | | |
|-----------------|------|---------|
| Active Area | (mm) | 8 x 8 |
| Number of lines | | 16 x 16 |
| Max line length | (mm) | 8 |

Mechanical specifications

| | | |
|-----------|------|-----|
| Diameter | (mm) | 21 |
| Thickness | (mm) | 1.6 |

COMPATIBLE PRODUCTS

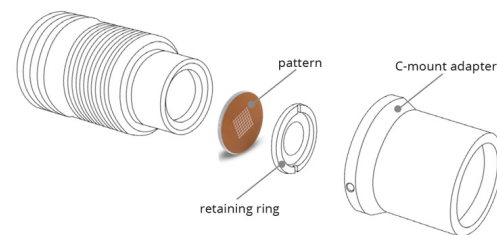
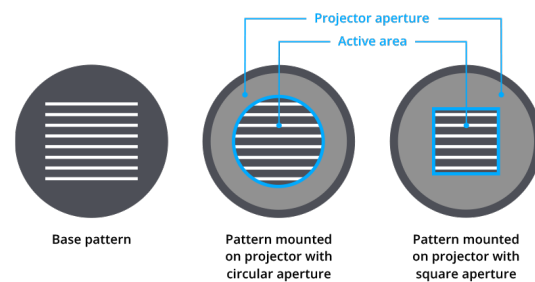
Full list of compatible products available [here](#).



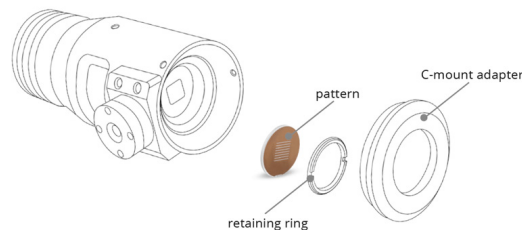
A wide selection of innovative machine vision components.

Opto Engineering® supplies a comprehensive range of projection patterns compatible with our LED illuminators. PT projection patterns can be either laser-engraved, with 50 μm geometrical accuracy, or photolithography-engraved for more demanding applications (2 μm accuracy).

PTPR AND ACTIVE AREA



Pattern projector with circular aperture disassembled.



Pattern projector with square aperture disassembled.

All product specifications and data are subject to change without notice to improve reliability, functionality, design or other. Photos and pictures are for illustration purposes only. Data are reported by design, actual lens performance may vary due to manufacturing tolerances.