

Fixed collimator

“ Our fixed collimator delivers a slanted edge pattern in visible light that extends to infinity. ”



The projected image boasts remarkable uniformity, achieved through our wide light source powered by a precise current source. We can tailor our collimators to fit your system and application, thus fulfill even the most demanding criteria. Using well-proven and wide-spread optical and optomechanical components features better compatibility with customers’ optomechanical systems.

HRPS-50-VIS (FoV2-inf) fixed collimator features a 2.22-degree field-of-view and the capability to project both real and virtual objects at a distance of 400 meters. The reticle is a slanted edge type (SFR) and projection has pattern perfect uniformity with deviation of less than 1% root mean square. The device uses broadband white-light technology with a color temperature of 4000K which level can be continuously adjusted by the remote illumination control. The collimator can handle a maximum current of 250mA to produce LED luminous flux of 360 lm that makes reticle pattern easily readable even with ambient light.



FEATURES

Field-of-view	2.22 degrees
Projected (focus) distance	400m real – 400m virtual
Reticle type	Slanted edge (SFR)
Optical spectrum	Broadband white-light
Color temperature	4000K
Pattern uniformity	<1% rms
Maximum current	250mA
Light level	Continuous adjustment
Illumination control	Remote operation
LED luminous flux	360 lm (maximum)



CUSTOMIZATION OPTIONS

- Projecting desired reticle to a certain distance (from 600mm to infinity, either real or virtual image)
- Various field-of-view (FoV) (from 1° to 20°)
- Different single wavelength or broad (white) spectrum
- Various reticle shapes for specific customer needs



TECHNICAL DOCUMENTATION

Technical drawing (schematic)

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