#  Sintec Optronics 

## S4LFT1163/081

## F-Theta

 multi-spectral $532+1064 \mathrm{~nm}$
outline drawing


back reflection position


## spot for 532 nm


spot diameter at $86.5 \%$ level for a Gaussian beam $\left(M^{2}=1\right)$
with 12.0 mm diameter at $1 / \mathrm{e}^{2}$, clipped at 12.0 mm
field size and mirror distances as given above for a two mirror scan system

## spot for 1064 nm


spot diameter at $86.5 \%$ level for a Gaussian beam $\left(M^{2}=1\right)$
with 12.0 mm diameter at $1 / \mathrm{e}^{2}$, clipped at 12.0 mm
field size and mirror distances as given above for a two mirror scan system

## remarks

The stated values are based on a vignetting of less than $1 \%$.
Effective focal length and working distance have tolerance of $+/-1.5 \%$.
Absorption tolerance $+/-25 \%$. Absorption may increase. Correct cleaning establishes original condition.

