

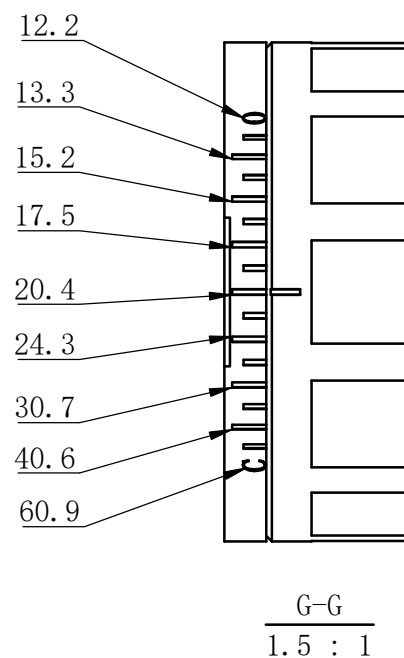
To ensure the illumination consistency and performance of the coaxial lights, the spot light has to meet below requirements:

1. Consistent & Efficient lighting area  $\geq \phi 6\text{mm}$
2. Consistent & Efficient lighting angle  $\geq \pm 13^\circ$  (NA is about 0.22)

## XF-10MDT4X65DZM-1C-VI

### Specifcaiton

Optical structure	Telecentric
Magnification	4
Object field of view	$\Phi 4.4\text{mm}$
Image field of view	$\Phi 17.6\text{mm}$
Working Distance	$65\text{mm} \pm 3\%$
Telecentricity	$< 0.16^\circ$
Depth of field	0.08—1.4mm
F#	F11.8—194.9
Resolution	2.0—32.3 $\mu\text{m}$
MTF	$> 0.3@85$ —5lp/mm
Distortion	$< 0.090\%$
Detector type:	
1.1' 14.2×10.4	3.6×2.6mm
2/3' 8.45×7.07	2.1×1.8mm
1/2' 6.4×4.8	1.6×1.2mm
1/3' 4.8×3.6	1.2×0.9mm



### Recommended spot light:

1. LED spot light  
Model: XF-ADXML3 (W/R/G/B)  
Matched Digital Controller: HGDC-5V3W-H2  
Max Current: 1A (Steady) 2.5A (Strobe)  
Voltage: 3.5V
2. Fiber spot light  
Light model: BX-OFPL-8-150W-W  
Fiber head model: BX-OPF-6-6-2M  
Max Current: 7A (Steady) 20A (Strobe)  
Voltage: 24V

\* DON'T HOLD THIS AREA

Undefined tolerance (mm)	degree	File Name			
X.X	$\pm 0.2$	$\pm 30\text{min}$	XF-10MDT4X65DZM-1C-VI-外形尺寸-EN		
X.XX	$\pm 0.02$		Drawing Name		
X.XXX	$\pm 0.005$	Drawing Size: A3			
	Sign	Data/Ver.	Material	Ratio	Product Name
Design				1:1	
Modify1			Qty		Canrill OPTICS
Modify2			Total:	Page:	Canrill OPTICS