

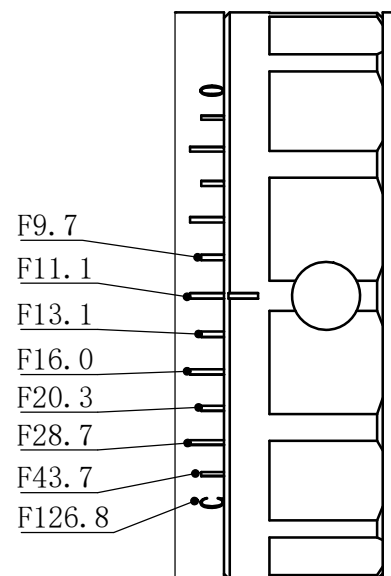
To ensure the illumination consistency and performance of the coaxial lights, the spot light has to meet below requirements:

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-10MDT2X110DZM-1.1C-VI

Specification

Optical structure	Telecentric
Magnification	2
Object field of view	$\phi 8.8\text{mm}$
Image field of view	$\phi 17.6\text{mm}$
Working Distance	$110\text{mm} \pm 3\%$
Telecentricity	$< 0.1^\circ$
Depth of field	$0.25 - 3.6\text{mm}$
F#	F9—126.8
Resolution	$3.0 - 41.8\mu\text{m}$
MTF	$> 0.3 @ 110 - 8.2\text{lp/mm}$
Distortion	$< 0.047\%$
Detector type:	
1.1' 14.2×10.4	$7.1 \times 5.2\text{mm}$
1' 13.1×8.8	$6.6 \times 4.4\text{mm}$
2/3' 8.45×7.07	$4.2 \times 3.5\text{mm}$
1/2' 6.4×4.8	$3.2 \times 2.4\text{mm}$



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	± 0.2	$\pm 30\text{min}$	XF-10MDT2X110DZM-1.1C-VI-外形尺寸-EN		
X.XX	± 0.02		Drawing Name		
X.XXX	± 0.005	Drawing Size: A3			
	Sign	Data/Ver.	Material	Ratio	Product Name
Design				1.5:1	
Modify1			Qty		Canrill OPTICS
Modify2			Total:	Page:	All design and drawings are intellectual property of Canrill Optics, can not be copied without Canrill's authorization.