

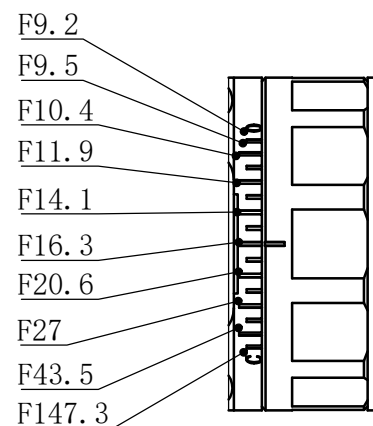
To ensure the illumination consistency and performance of the coaxial lights, the spot light has to meet below requirements:

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-10MDT3X65DZM-1C-VI

Specificaliton

Optical structure	Telecentric
Magnification	3
Object field of view	$\Phi 5.9\text{mm}$
Image field of view	$\Phi 17.6\text{mm}$
Working Distance	$65\text{mm} \pm 3\%$
Telecentricity	$< 0.21^\circ$
Depth of field	0.12—1.8mm
F#	F9.5—147.3
Resolution	2.1—32.3 μm
MTF	$> 0.3@105$ —7lp/mm
Distortion	$< 0.085\%$
Detector type:	
1.1' 14.2×10.4	4.7×3.5mm
2/3' 8.45×7.07	2.8×2.4mm
1/2' 6.4×4.8	2.1×1.6mm
1/3' 4.8×3.6	1.6×1.2mm



This lens has the best imaging consistency in F9.5

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-10MDT3X65DZM-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.