

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

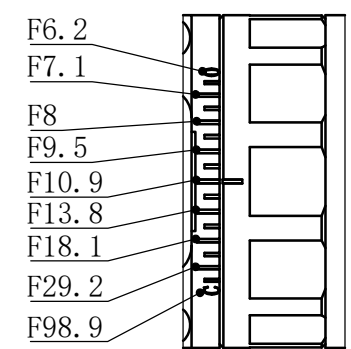
1. Consistent & Efficient lighting area $\geq \phi 6\text{mm}$
2. Consistent & Efficient lighting angle $\geq \pm 13^\circ$ (NA is about 0.22)

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

XF-10MDT2X65DZM-1C-VI

Specificaion	
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	$65\text{mm} \pm 3\%$
Telecentricity	$< 0.21^\circ$
Depth of field	0.20—2.8mm
F#	F7.1—98.9
Resolution	2.4—32.6 μm
MTF	$> 0.3 @ 135$ —10.5lp/mm
Distortion	$< 0.100\%$
Detector type:	
1.1'	14.2×10.4
2/3'	8.45×7.07
1/2'	6.4×4.8
1/3'	4.8×3.6
	7.1×5.2mm
	4.2×3.5mm
	3.2×2.4mm
	2.4×1.8mm



This lens has the best imaging consistency in F7.1

* DON'T HOLD THIS AREA

Undefined tolerance (mm)	degree	File Name			
X. X	± 0.2	$\pm 30\text{min}$	XF-10MDT2X65DZM-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				1:1	
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.