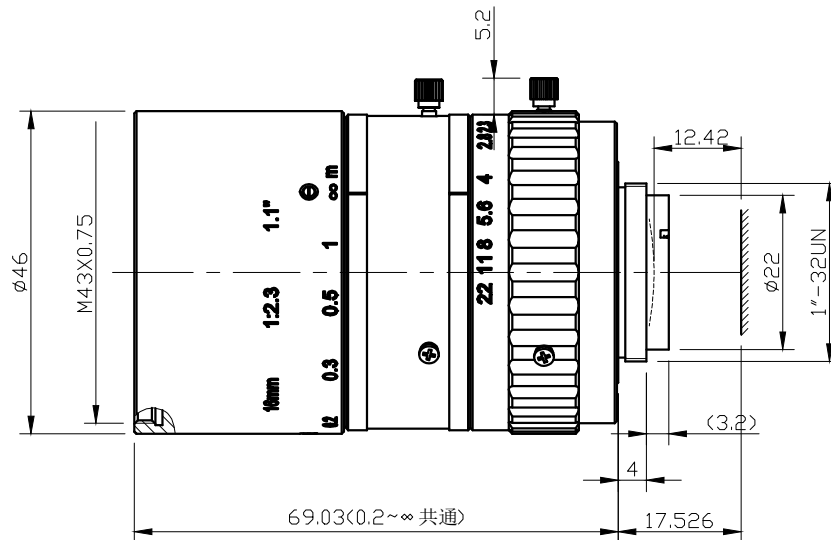


产品技术规格书 (Product Technical Specification)

No.	名称 (Name)	规格 (Specification)	No.	名称 (Name)	规格 (Specification)	
1	型号 (Model)	AZURE-1623ML12M	14	视场角 F.O.V(DxVxH)	1.1" 2/3 1/2	
2	物料代码 (Material Code)	3. A01. 010010-A			D	54.39 35.67 26.32
3	靶面格式 (Image Format)	1.1"			H	44.56 28.85 21.18
4	分辨率 (Resolution)	150lp/mm			V	34.45 21.83 15.96
5	焦距 (Focal Length)	16mm	15	接口 (Mount)	C	
6	后截距 (Back Focus)	12.42mm	16	适用物距 (Suitable Distance)	0.1~∞m	
7	F值 (F/ No.)	2.3	17	最佳物距 (Optimum Working Distance)		
8	光圈 (Iris Type)	M-Iris	18	镀膜 (Coating)	400-900nm	
9	畸变 (Distortion)	<0.4%	19	外形尺寸 (Dimension)	φ 46×69.03mm	
10	通光口径 (Lens Effective Diameter)	前面 (Front)	φ 28.1mm	20	重量 (Weight)	g
		后面 (Back)	φ 14.25mm	21	工作温度 (Operating Temperature)	-20~+65℃
11	相对照度 (Relative Illuminate)	47.6%		22	镜头组成 (Lens Construction)	12-9
12	光学总长 (TTL)	82.3-83.6mm		23	最大主光线入射角 (CRA)	13.98°
13	设计波长 (Design Wavelength)	400-700nm		24	滤镜尺寸 (Filter Thread)	M43×0.75

Size:



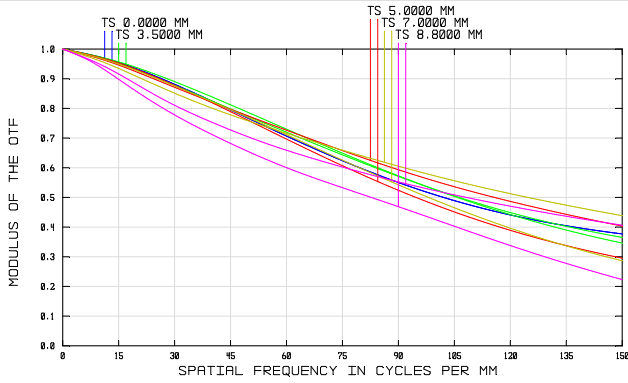
Unit:mm

Draw	Check	Recheck	Approval	福建浩蓝光电有限公司 AZURE Photonics Co.,Ltd

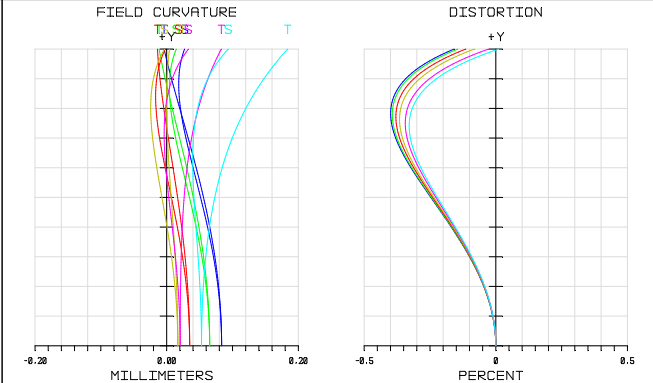
设计结果报告 (Optical Design Report)

1	2	3	4
传递函数图 (MTF)	场曲畸变图 (Field Curvature&Distortion)	相对照度图 (Relative Illumination)	星点图 (Spot Diagram)

WD=350mm



POLYCHROMATIC DIFFRACTION MTF



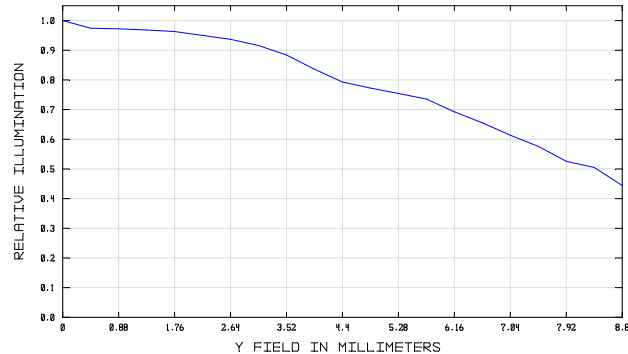
FIELD CURVATURE / F-TAN(THETA) DISTORTION

Z4
SAT APR 13 2019
DATA FOR 0.4350 TO 0.6500 μm.
SURFACE: IMAGE

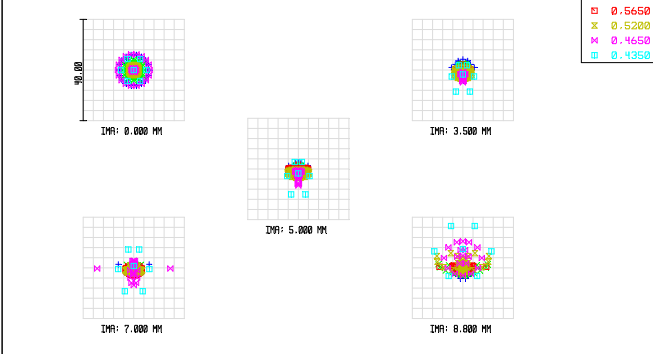
F1623_11T_12P_1500K.ZMX
CONFIGURATION 1 OF 4

Z4
SAT APR 13 2019
MAXIMUM FIELD IS 27.193 DEGREES
WAVELENGTHS: 0.650 0.620 0.565 0.520 0.465 0.435

F1623_11T_12P_1500K.ZMX
CONFIGURATION 1 OF 4



RELATIVE ILLUMINATION



SURFACE: IMA

SPOT DIAGRAM

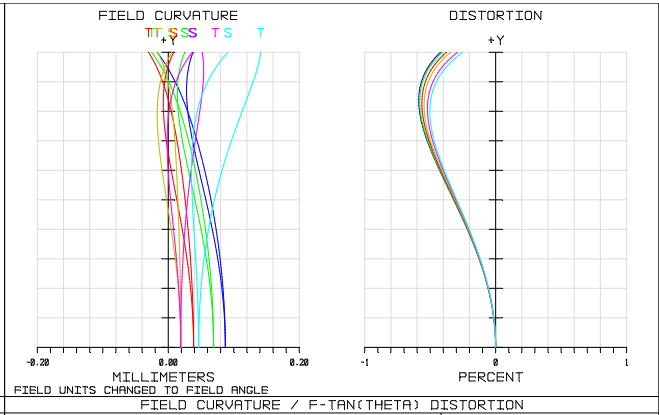
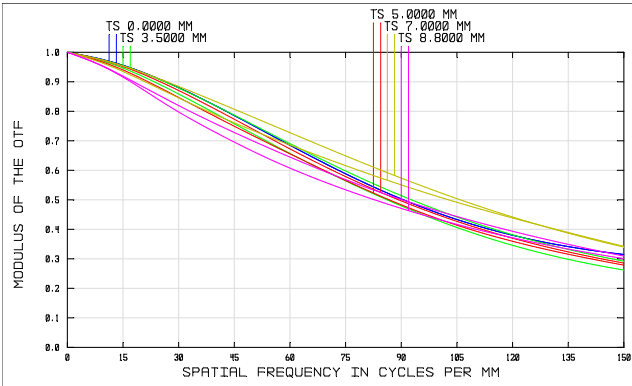
Z4
SAT APR 13 2019
WAVELENGTH: 0.650000 μm

F1623_11T_12P_1500K.ZMX
CONFIGURATION 1 OF 4

Z4
SAT APR 13 2019 UNITS ARE μm.
FIELD : 1 2 3 4 5
RMS RADIUS : 3.005 2.406 2.537 2.717 4.096
GD RADIUS : 6.267 8.947 10.138 14.476 17.174
SCALE BAR : 40 REFERENCE : CHIEF RAY

F1623_11T_12P_1500K.ZMX
CONFIGURATION 1 OF 4

WD=5m

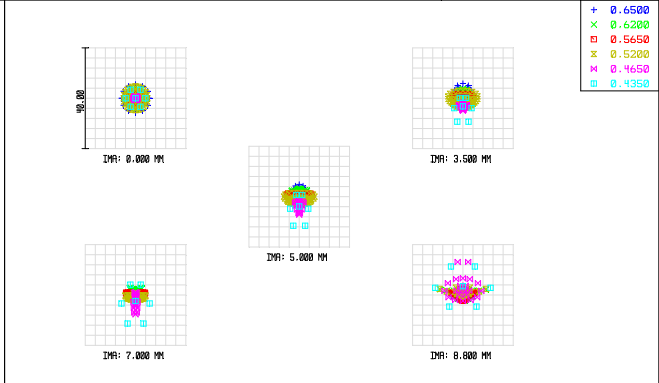
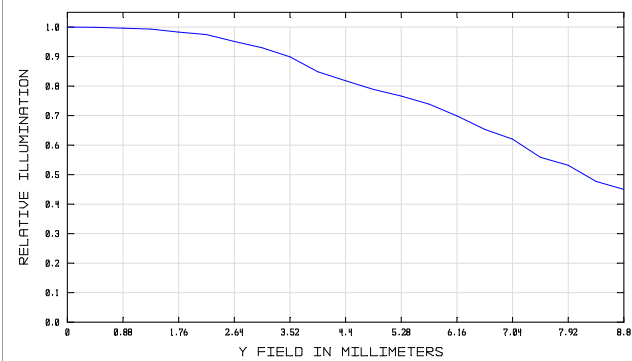


Z4
SAT APR 13 2019
DATA FOR 0.4350 TO 0.6500 μm.
SURFACE: IMAGE

F1623_11T_12P_1500K.ZMX
CONFIGURATION 4 OF 4

Z4
SAT APR 13 2019
MAXIMUM FIELD IS 27.959 DEGREES
WAVELENGTHS: 0.650 0.620 0.565 0.520 0.465 0.435

F1623_11T_12P_1500K.ZMX
CONFIGURATION 4 OF 4



Z4
SAT APR 13 2019
WAVELENGTH: 0.650000 μm

F1623_11T_12P_1500K.ZMX
CONFIGURATION 4 OF 4

Z4
SAT APR 13 2019 UNITS ARE μm.
FIELD : 1 2 3 4 5
RMS RADIUS : 2.824 2.972 3.101 2.505 3.511
GEO RADIUS : 5.566 9.568 11.793 11.779 13.285
SCALE BAR : 40 REFERENCE : CHIEF RAY

F1623_11T_12P_1500K.ZMX
CONFIGURATION 4 OF 4