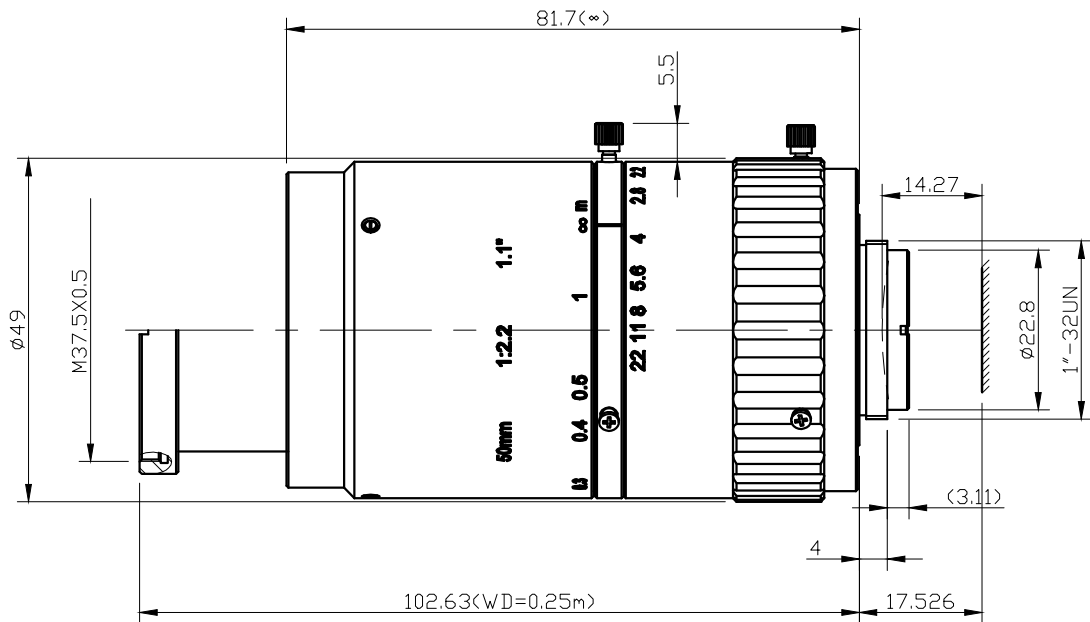


产品技术规格书 (Product Technical Specification)

| No. | 名称 (Name) | 规格 (Specification) | No. | 名称 (Name) | 规格 (Specification) | |
|-----|--------------------------------|--------------------|-----------|---------------------------------|------------------------------|------------------------|
| 1 | 型号 (Model) | AZURE-5022ML12M | 14 | 视场角 F.O.V (DxVxH) | 1.1" 2/3 1/2 | |
| 2 | 物料代码 (Material Code) | 3. A01. 010001-A | | | D | 16.18 10.03 7.30 |
| 3 | 靶面格式 (Image Format) | 1.1" | | | H | 13.00 8.15 5.93 |
| 4 | 分辨率 (Resolution) | 150lp/mm | | | V | 9.77 6.11 4.43 |
| 5 | 焦距 (Focal Length) | 50mm | 15 | 接口 (Mount) | C | |
| 6 | 后截距 (Back Focus) | 14.27mm | 16 | 适用物距 (Suitable Distance) | 0.25~∞m | |
| 7 | F值 (F/ No.) | 2.2 | 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) | <0.1% | 19 | 外形尺寸 (Dimension) | φ 49×102.63mm | |
| 10 | 通光口径 (Lens Effective Diameter) | 前面 (Front) | φ 27.53mm | 20 | 重量 (Weight) | g |
| | | 后面 (Back) | φ 16.22mm | 21 | 工作温度 (Operating Temperature) | -20~+65℃ |
| 11 | 相对照度 (Relative Illuminate) | 63.5% | 22 | 镜头组成 (Lens Construction) | 12-8 | |
| 12 | 光学总长 (TTL) | 79.5-111.5mm | 23 | 最大主光线入射角 (CRA) | 12.08° | |
| 13 | 设计波长 (Design Wavelength) | 400-700nm | 24 | 滤镜尺寸 (Filter Thread) | M37.5×0.5 | |

Size:



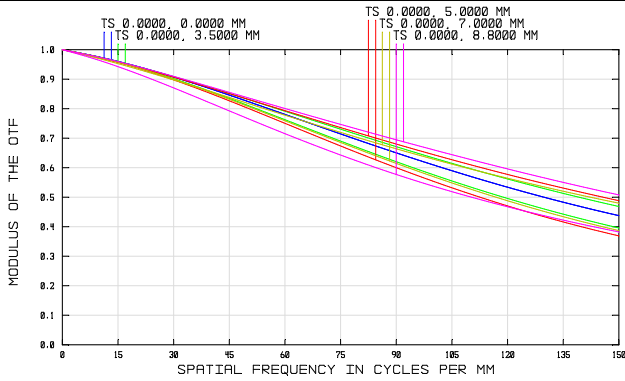
Unit:mm

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

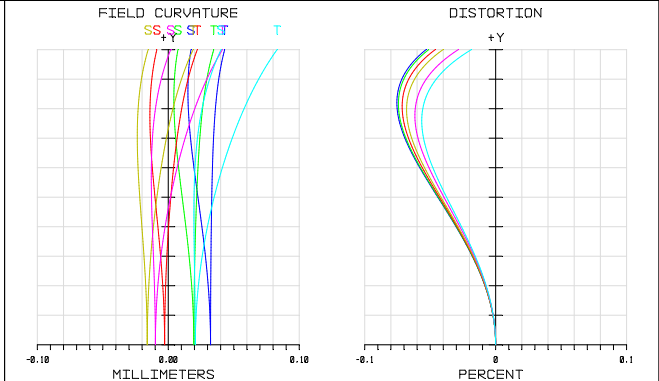
设计结果报告 (Optical Design Report)

| | | | |
|----------------|---------------------------------------|----------------------------------|-----------------------|
| 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



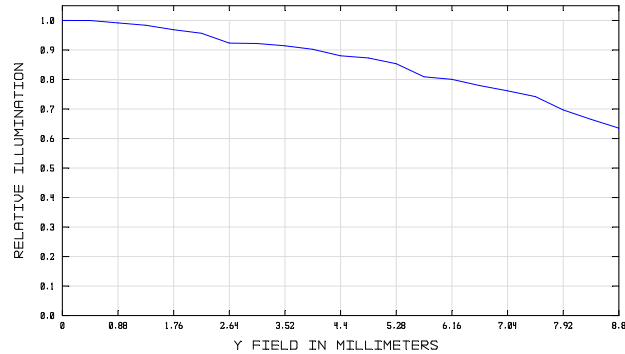
FIELD CURVATURE / F-TAN(THETA) DISTORTION

Z4
WED FEB 27 2019
DATA FOR 0.4350 TO 0.6500 μm .
SURFACE: IMAGE

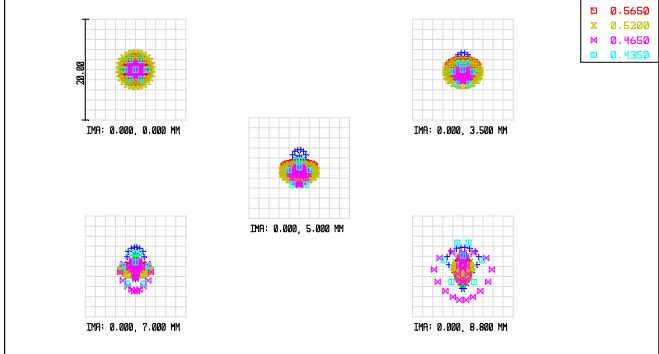
F5025_11T_0600K-1.ZMX
CONFIGURATION 1 OF 4

Z4
WED FEB 27 2019
MAXIMUM FIELD IS 8.171 DEGREES
WAVELENGTHS: 0.650 0.620 0.565 0.520 0.465 0.435

F5025_11T_0600K-1.ZMX
CONFIGURATION 1 OF 4



RELATIVE ILLUMINATION



SPOT DIAGRAM

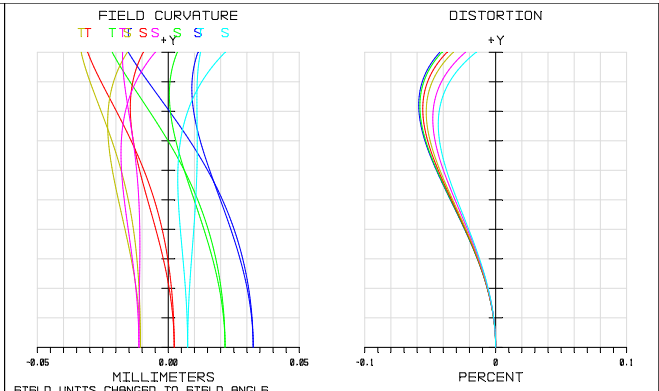
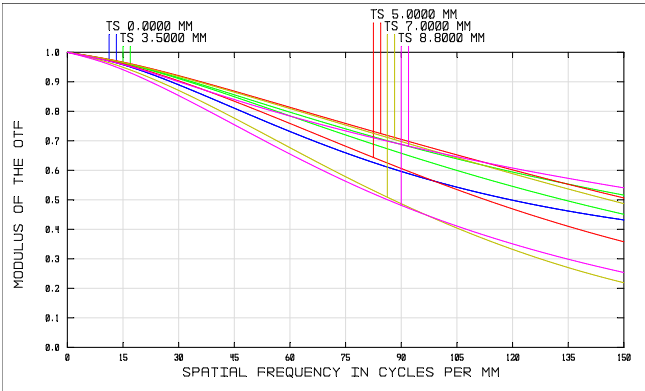
Z4
WED FEB 27 2019
WAVELENGTH: 0.650000 μm

F5025_11T_0600K-1.ZMX
CONFIGURATION 1 OF 4

Z4
WED FEB 27 2019 UNITS ARE μm .
FIELD : 1 2 3 4 5
RMS RADIUS : 1.882 1.880 1.894 1.870 2.148
GEO RADIUS : 3.383 3.562 3.661 4.954 6.687
SCALE BAR : 20 REFERENCE : CHIEF RAY

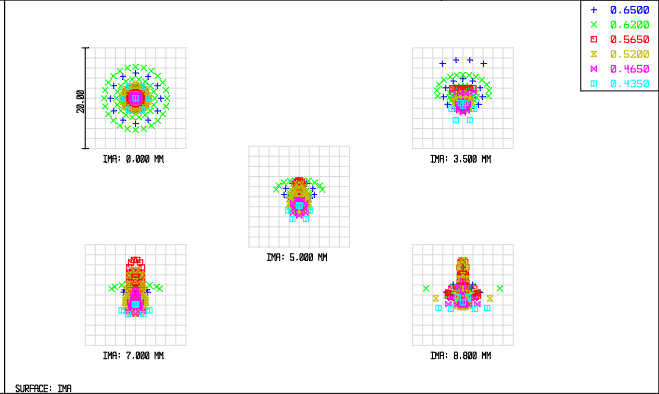
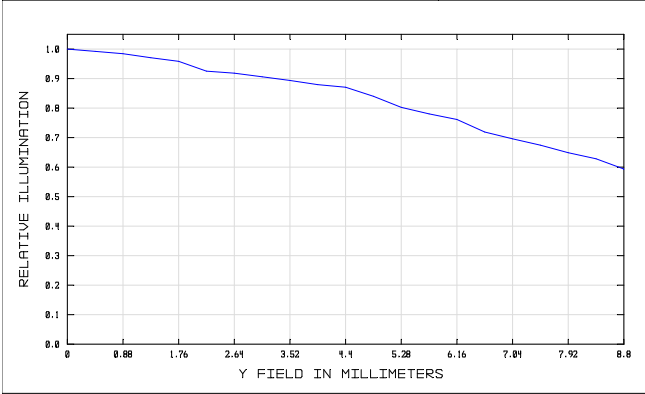
F5025_11T_0600K-1.ZMX
CONFIGURATION 1 OF 4

WD=12m



Z4
TUE MAR 26 2019
DATA FOR 0.4350 TO 0.6500 μm.
SURFACE: IMAGE
F5025_11T_0600K.ZMX
CONFIGURATION 4 OF 4

Z4
TUE MAR 26 2019
MAXIMUM FIELD IS 10.350 DEGREES
WAVELENGTHS: 0.650 0.620 0.565 0.520 0.465 0.435
F5025_11T_0600K.ZMX
CONFIGURATION 4 OF 4



Z4
TUE MAR 26 2019
WAVELENGTH: 0.650000 μm
F5025_11T_0600K.ZMX
CONFIGURATION 4 OF 4

Z4
TUE MAR 26 2019 UNITS ARE μm.
FIELD : 1 2 3 4 5
RMS RADIUS : 2.797 2.179 1.886 2.456 2.698
GEO RADIUS : 6.256 8.023 4.791 6.968 7.450
SCALE BAR : 20 REFERENCE : CHIEF RAY
F5025_11T_0600K.ZMX
CONFIGURATION 4 OF 4