



Lenses

SPECIFICATIONS OF M12, CS, AND C-MOUNT LENSES
OFFERED ALONG WITH KUROKESU CAMERAS

DATASHEET



KUROKESU

2022-10-06, Rev. #36

L045-25-M12

Description

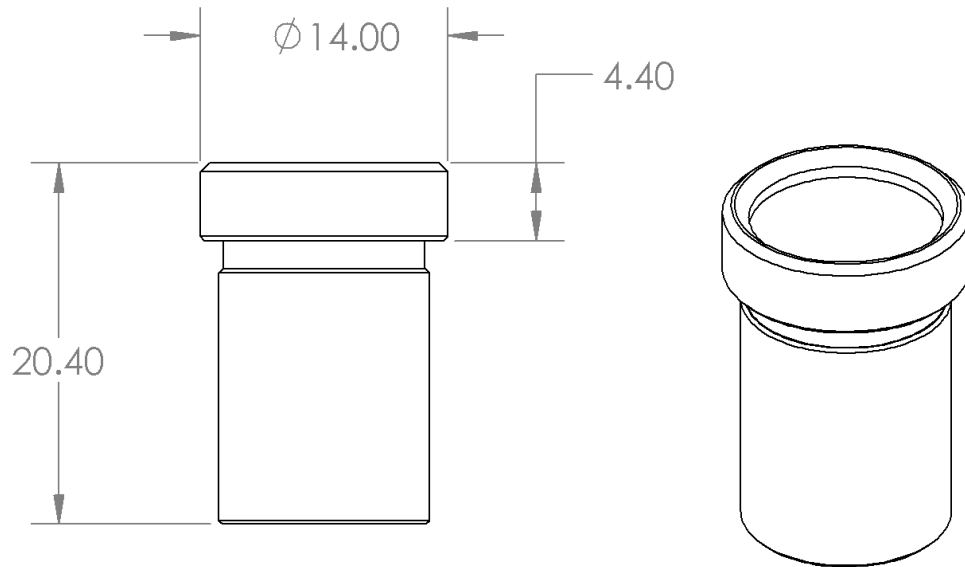
25mm M12 low distortion lens



Specifications

Focal Length	25mm
Aperture	f/1.8
Image Size	1/1.2"
Angle of View	H: 15.04°
Mount Type	M12 x 0.5-6g
Minimum Object Distance	0.3m
CRA	≤7.4°
Distortion	<1.1%
Back focal length	6.1mm
External Dimensions	<ul style="list-style-type: none">• D=14mm• L=20.4mm
AR coating	Yes
Net Weight	6g

Dimensions



L059-FZA-2.8Z12-CS

Description

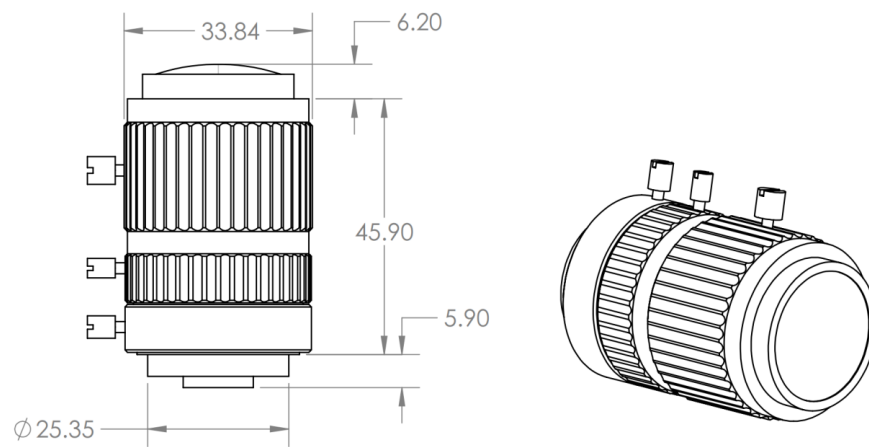
2.8-12mm CS manual zoom lens



Specifications

Focal Length	2.8-12mm
Aperture	f/1.6
Image Size	1/2.7"
Angle of View	<ul style="list-style-type: none">• Wide: 137.8° x 102.6° x 74.3°• Tele: 37.2° x 29.9° x 22.6°
Mount Type	CS
Minimum Object Distance	0.3m
Operation Mode	<ul style="list-style-type: none">• Iris: Manual with Lock• Focus: Manual with Lock• Zoom: Manual with Lock
External Dimensions	<ul style="list-style-type: none">• D=33.7mm• L=57.83mm
AR coating	Yes
Net Weight	75g

Dimensions



L058-FZA-5Z50-CS

Description

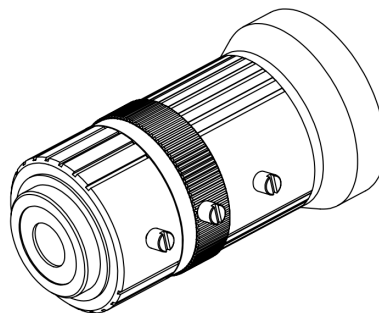
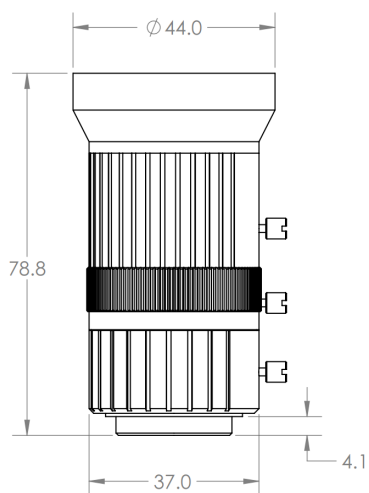
5-50mm CS manual zoom lens



Specifications

Focal Length	5-50mm
Aperture	f/1.4
Image Size	1/2.7"
Angle of View	H: 51°-6°
Mount Type	CS
Minimum Object Distance	1.2m
Back Focal Length	8.1mm
Operation Mode	<ul style="list-style-type: none">• Iris: Manual with Lock• Focus: Manual with Lock• Zoom: Manual with Lock
External Dimensions	<ul style="list-style-type: none">• D=44mm• L=79mm
AR coating	Yes
Net Weight	172g

Dimensions



L064-2.1-M12

Description

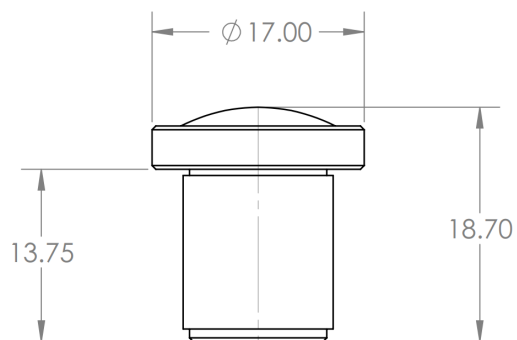
2.1mm M12 wide angle fixed focus lens



Specifications

Focal Length	2.1mm
Aperture	f/1.8
Image Size	6.0mm
Angle of View	<ul style="list-style-type: none">• D: 170°• H: 130°• V: 96°
Mount Type	M12 x 0.5-6g
Minimum Object Distance	0.2m
Back focal length	6.25mm
External Dimensions	<ul style="list-style-type: none">• D=17mm• L=18.7mm
AR coating	Yes
Net Weight	6g

Dimensions



L067-FZA-12Z120-C

Description

12-120mm CS manual zoom lens



Specifications

Focal Length	12-120mm
Aperture	f/1.8
Image Size	1/1.8"
Angle of View	H: 39° - 2.5°
Mount Type	C
Minimum Object Distance	0.5m
Back focal length	17.53mm
Operation Mode	<ul style="list-style-type: none">• Iris: Manual with Lock• Focus: Manual with Lock• Zoom: Manual with Lock
External Dimensions	<ul style="list-style-type: none">• D=48mm• L=97mm
AR coating	Yes
Net Weight	272g

L078-2.78-M12

Description

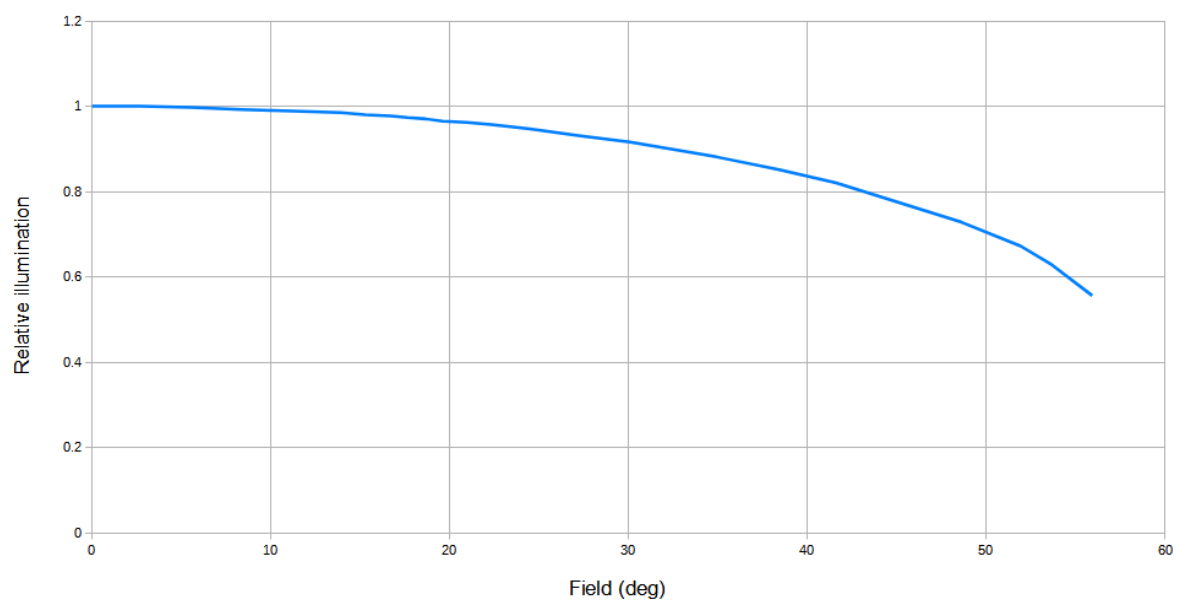
2.78mm M12 wide angle low distortion fixed focus lens



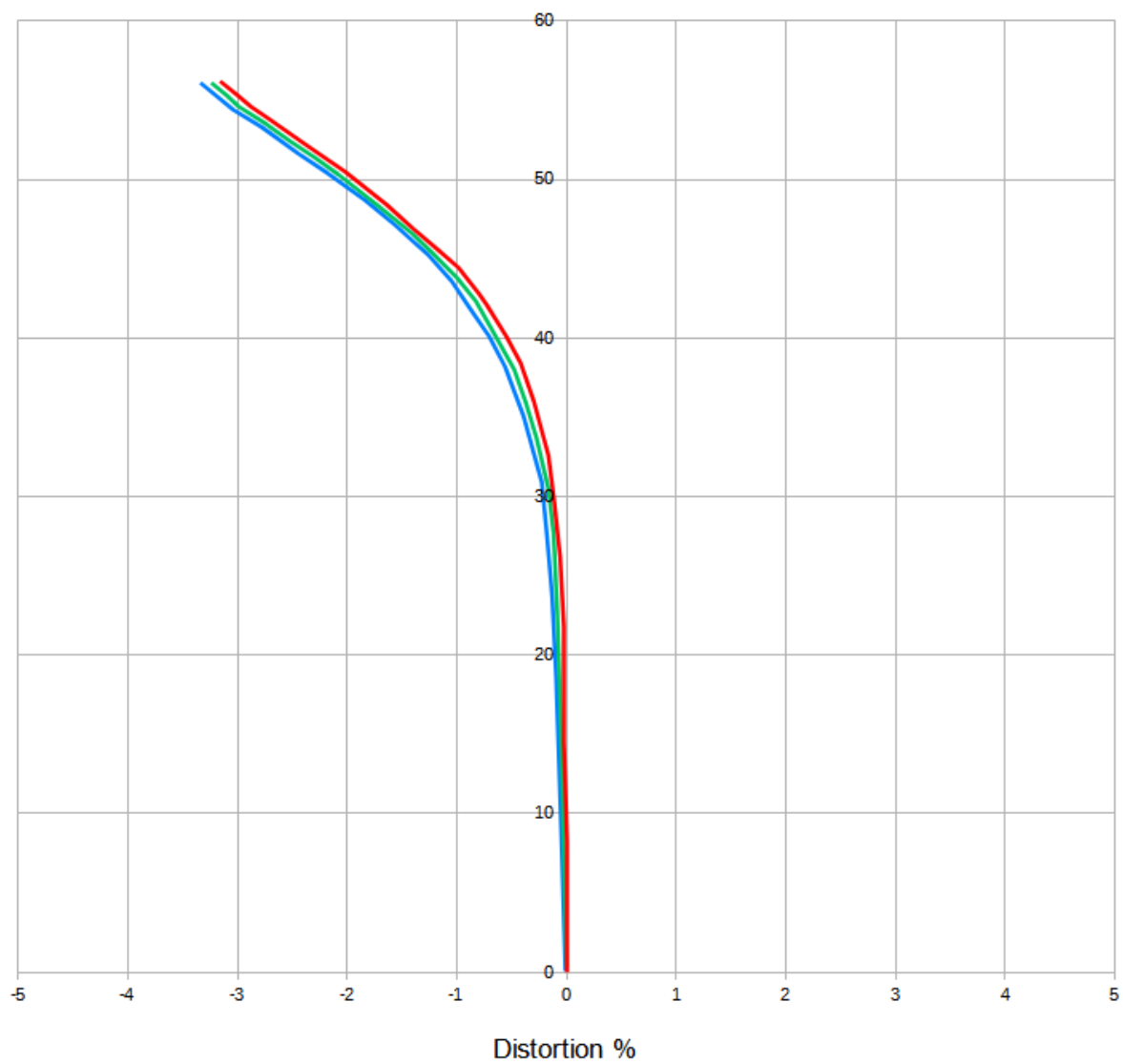
Specifications

Focal Length	2.78mm
Aperture	f/2.2
Image Size	10.16mm [1/2.5"]
Angle of View	<ul style="list-style-type: none">• D: 112°• H: 100°• V: 80°
Mount Type	M12 x 0.5-6g
Minimum Object Distance	0.2m
Distortion	<-3%
CRA	<19°
Back Focal Length	4.92mm
Flange Back Length	3.74mm
External Dimensions	<ul style="list-style-type: none">• D=18mm• L=18.36mm
AR coating	Yes
Net Weight	8g

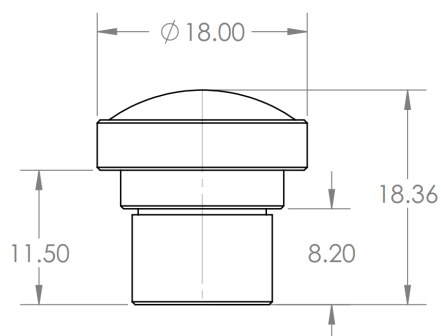
Relative illumination



Distortion



Dimensions



L102-2.11-M12

Description

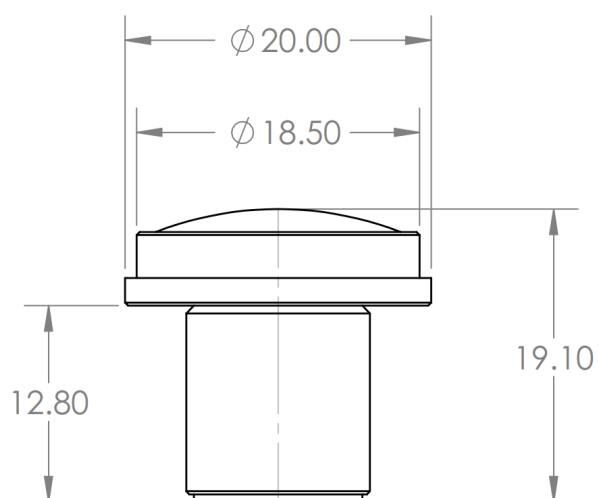
2.11mm M12 wide angle fixed focus lens



Specifications

Focal Length	2.11mm
Aperture	f/1.8
Image Size	6.7mm
Angle of View	<ul style="list-style-type: none">• D: 190°• H: 142°• V: 102°
Mount Type	M12 x 0.5-6g
Minimum Object Distance	0.3m
Back focal length	4.8mm
External Dimensions	<ul style="list-style-type: none">• D=20mm• L=19.1mm
AR coating	Yes
Net Weight	7g

Dimensions



L125-ZFA-10Z55-C

Description

4.5mm C-mount fixed focus low distortion lens

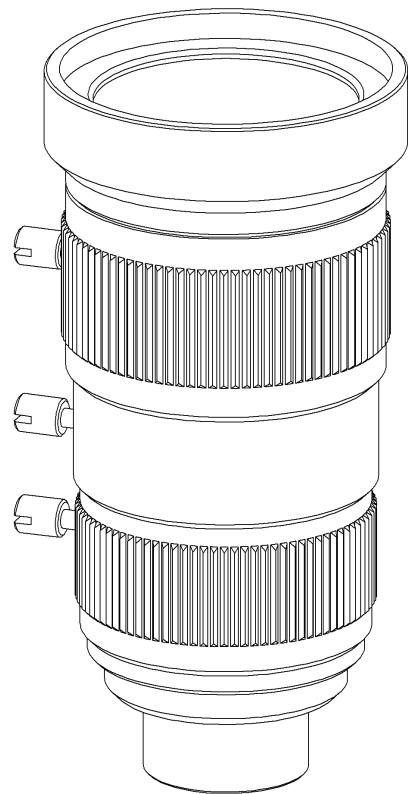
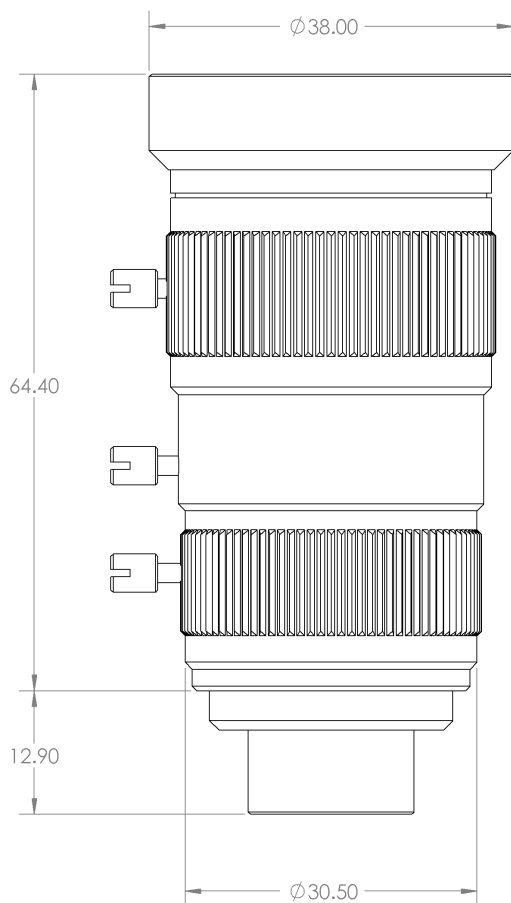


Specifications

Focal Length	10-55mm
Aperture	f/2.8
Image Size	1/1.7"
Angle of View	<ul style="list-style-type: none">• Wide: 51.1° x 40.6° x 31°• Tele: 9.6° x 7.7° x 5.8°
Mount Type	C
Minimum Object Distance	<ul style="list-style-type: none">• Wide: 0.1m• Tele: 0.2m
Operation Mode	<ul style="list-style-type: none">• Iris: Manual with Lock• Focus: Manual with Lock• Zoom: Manual with Lock

External Dimensions	<ul style="list-style-type: none">• D=38mm• L=77.3mm
AR coating	Yes
Net Weight	118g
Rated sensor resolution	10M
Distortion	<-0.1%

Dimensions



L126-FA-4.5-C

Description

4.5mm C-mount fixed focus low distortion lens



Specifications

Focal Length	4.5mm
Aperture	f/2.8
Image Size	1/1.8"
Angle of View	90° x 68° x 56°
Mount Type	C
Minimum Object Distance	0.1m
Operation Mode	<ul style="list-style-type: none">• Iris: Manual with Lock• Focus: Manual with Lock
External Dimensions	<ul style="list-style-type: none">• D=44mm• L=52.6mm
AR coating	Yes
Net Weight	65g
Rated sensor resolution	5M
Distortion	<1.2%

Dimensions

