

Category

Series LX Plano Convex Lenses

Home / High Performance Focusing Lenses / Series LX Plano Convex Lenses

These low absorption ZnSe positive focusing lenses provide an extended lifetime in laser cutting applications where depth of field is an important factor. Ideally suited for welding, cutting and heat treating, these low cost lenses have superior thermal characteristics which can prevent thermal runaway in high power CO2 lasers.

All series LX lenses are coated and optimized for use at 10.6 microns.



– View Category Specifications

Specifications:

Diameter Tolerance:

+ 0.000" / – 0.005"

Surface Quality:

40-20 Scratch-Dig

Focal Length Tolerance:

+/- 0.5 %

Absorption:

0.25 % total

AR Coating Reflectivity:

R < 0.5 % at 10.6 microns

CATALOG NO.

LMA-0715-Z-ET1.8

MATERIAL

ZnSe

DIAMETER

0.750"

FOCAL LENGTH

1.50"

EDGE THICKNESS

0.070"

MOUNTED

yes

QOH

6

[Register for Pricing](#)

CATALOG NO.

LMA-0720-Z-ET1.8

2.00"

EDGE THICKNESS

0.070"

MOUNTED

yes

QOH

18

[Register for Pricing](#)

CATALOG NO.

LMA-0725-Z-ET1.8

MATERIAL

ZnSe

DIAMETER

0.750"

FOCAL LENGTH

2.50"

EDGE THICKNESS

0.070"

MOUNTED

yes

QOH

2

[Register for Pricing](#)

CATALOG NO.

LMA-0740-Z-ET1.8

MATERIAL

ZnSe

0.070"

MOUNTED

yes

QOH

8

[Register for Pricing](#)

CATALOG NO.

LX-0615-Z-ET1.5

MATERIAL

ZnSe

DIAMETER

0.600"

FOCAL LENGTH

1.500"

EDGE THICKNESS

0.060"

MOUNTED

no

QOH

26

[Register for Pricing](#)

CATALOG NO.

LX-0620-Z-ET1.5

MATERIAL

ZnSe

DIAMETER

0.600"

no

QOH

0

[Register for Pricing](#)

CATALOG NO.

LX-0625-Z-ET1.5

MATERIAL

ZnSe

DIAMETER

0.600"

FOCAL LENGTH

2.500"

EDGE THICKNESS

0.060"

MOUNTED

no

QOH

26

[Register for Pricing](#)

CATALOG NO.

LX-0640-Z-ET1.5

MATERIAL

ZnSe

DIAMETER

0.600"

FOCAL LENGTH

4.000"

/

[Register for Pricing](#)**CATALOG NO.**

LX-0650-Z-ET1.5

MATERIAL

ZnSe

DIAMETER

0.600"

FOCAL LENGTH

5.000"

EDGE THICKNESS

0.060"

MOUNTED

no

QOH

0

[Register for Pricing](#)**CATALOG NO.**

LX-0710-Z-ET1.8

MATERIAL

ZnSe

DIAMETER

0.750"

FOCAL LENGTH

1.000"

EDGE THICKNESS

0.070"

[Register for Pricing](#)

CATALOG NO.

LX-0715-Z-ET1.78

MATERIAL

ZnSe

DIAMETER

0.750"

FOCAL LENGTH

1.500"

EDGE THICKNESS

0.070"

MOUNTED

no

QOH

35

[Register for Pricing](#)

CATALOG NO.

LX-0715-Z-ET2.5

MATERIAL

ZnSe

DIAMETER

0.750"

FOCAL LENGTH

1.500"

EDGE THICKNESS

0.100"

MOUNTED

no

CATALOG NO.

LX-0720-Z-ET1.78

MATERIAL

ZnSe

DIAMETER

0.750"

FOCAL LENGTH

2.000"

EDGE THICKNESS

0.070"

MOUNTED

no

QOH

0

[Register for Pricing](#)**CATALOG NO.**

LX-0725-Z-ET1.78

MATERIAL

ZnSe

DIAMETER

0.750"

FOCAL LENGTH

2.500"

EDGE THICKNESS

0.070"

MOUNTED

no

QOH

0

LX-0730-Z-ET1.8

MATERIAL

ZnSe

DIAMETER

0.750"

FOCAL LENGTH

3.000"

EDGE THICKNESS

0.070"

MOUNTED

no

QOH

0

[Register for Pricing](#)

CATALOG NO.

LX-0735-Z-ET1.8

MATERIAL

ZnSe

DIAMETER

0.750"

FOCAL LENGTH

3.500"

EDGE THICKNESS

0.070"

MOUNTED

no

QOH

29

[Register for Pricing](#)

0.750"

FOCAL LENGTH

4.000"

EDGE THICKNESS

0.070"

MOUNTED

no

QOH

8

[Register for Pricing](#)

CATALOG NO.

LX-0750-Z-ET1.8

MATERIAL

ZnSe

DIAMETER

0.750"

FOCAL LENGTH

5.000"

EDGE THICKNESS

0.070"

MOUNTED

no

QOH

21

[Register for Pricing](#)

CATALOG NO.

LX-0775-Z-ET1.8

7.500"

EDGE THICKNESS

0.070"

MOUNTED

no

QOH

0

[Register for Pricing](#)

CATALOG NO.

LX-1015-Z-ET3.0

MATERIAL

ZnSe

DIAMETER

1.000"

FOCAL LENGTH

1.500"

EDGE THICKNESS

0.120"

MOUNTED

no

QOH

29

[Register for Pricing](#)

- > CO2 LASER OPTICS FOCAL POINTS PROMOTE HIGH ACCURACY
- > LASER LENSES FOR STEEL CUTTING MATCH CUSTOMER APPLICATION REQUIREMENTS